IDROFOGLIA®

safety systems

**CATALOGO TECNICO** TECHNICAL CATALOGUE

**SISTEMI ANTINCENDIO UNI EN 12845** UNI EN 12845 FIRE FIGHTING SYSTEMS

# SAFETY EVERYWHERE.


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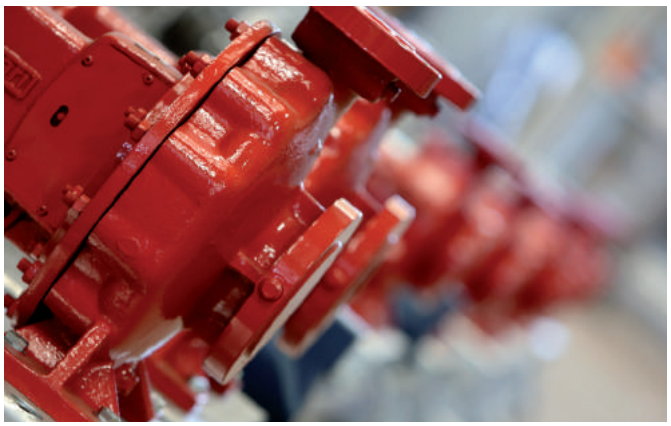
# Indice Index

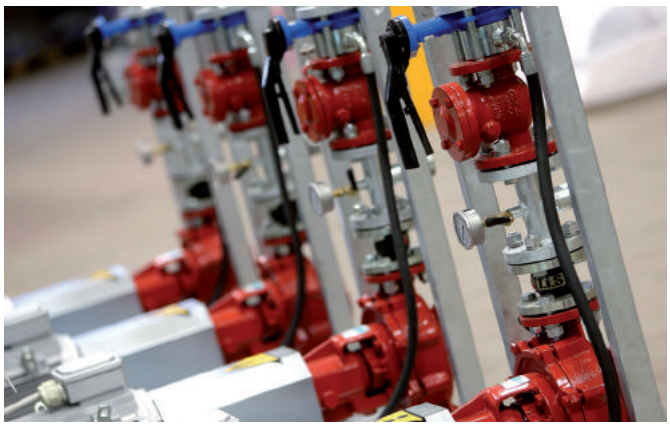

# Idrofoglia Safety Systems

è una realtà giovane e dinamica specializzata nella progettazione e produzione di sistemi antincendio e pressurizzazione idrica civile/ industriale. La voglia di imporsi unita alla solida esperienza maturata dai suoi fondatori in più di trent'anni di attività nel settore del trattamento delle acque, fanno di Idrofoglia Safety Systems un partner capace ed affidabile. Il nostro obiettivo è la soddisfazione totale della clientela attraverso una costante innovazione dei nostri prodotti e servizi. Idrofoglia Safety Systems è partner attivo nell'interpretazione e anticipazione dei bisogni dei propri clienti e grazie a tecnologie all'avanguardia ed un team di professionisti.

# Idrofoglia Safety Systems

is a young and dynamic company specialized in the project and manufacturing of fire fighting systems and hydro and civil pressurisation units. Idrofoglia Safety System is a safe and reliable partner thanks to its will to stand our and the solid experience of the founders that have been working for more than 30 years in the water treatment sector. Our aim is to totally satisfy the customers through a constant innovation of our products and services. We're always at our clients' disposal in order to anticipate and understand their needs thanks to technologies always at the forefront and to our highly specialized staff.





# Idrofoglia Safety Systems

È il partner ideale per tutte le soluzioni di sistemi antincendio e pressurizzazione civile ed industriale.

**SISTEMI ANTINCENDIO**

Per i sistemi antincendio, Idrofoglia Safety Systems propone una vasta gamma di:

- Gruppi antincendio costruiti secondo le normative EN12845-UNI10779 con pompe del tipo base-giunto, con pompe verticali a stelo immerso e motore esterno (vertical turbine) e con elettropompe sommerse;
- Gruppi antincendio costruiti secondo le normative NFPA con pompe del tipo split case e pompe verticali a stelo immerso e motore esterno (vertical turbine);
- Locali per l'alloggiamento esterno dei gruppi di pompaggio, costruiti secondo normativa UNI11292;
- Serbatoi di riserva idrica in acciaio ed in polietilene da interro e da esterno;
- Sistemi integrati in acciaio da interro e da esterno, costruiti secondo normativa UNI11292.

In gamma, Idrofoglia Safety Systems propone anche:

- Sistemi di spegnimento a gas
- Sistemi water mist
- Materiali per reti idranti e reti sprinkler

**SISTEMI DI PRESSURIZZAZIONE**

Per i sistemi di pressurizzazione civile ed industriale, Idrofoglia Safety Systems propone una vasta gamma di:

- Gruppi di pressurizzazione a 2,3 o 4 elettropompe ad asse verticale od orizzontale comandate da quadro a pressostati;
- Gruppi di pressurizzazione a 2,3 o 4 elettropompe ad asse verticale od orizzontale comandate da inverter (nelle versioni a quadro, a bordo motore o a passaggio d'acqua);
- Serbatoi autoclave
- Sistemi di sollevamento per acque chiare o acque luride con elettropompe sommergibili e serbatoi in polietilene

Idrofoglia Safety Systems è in grado di offrire la soluzione più idonea a seconda delle applicazioni con sistemi che rispettano in pieno le normative vigenti. L'alta qualità dei prodotti è garantita dall'utilizzo di soli materiali di primaria marca e da un accurato collaudo effettuato da personale specializzato in apposito laboratorio. La realizzazione interna ed un elevato magazzino di tutte le componenti, assicurano consegne rapide, prezzi altamente competitivi e la possibilità di customizzare i nostri prodotti secondo le più svariate esigenze del cliente.

# Idrofoglia Safety Systems

Is your ideal partner for all the solutions of fire fighting units and civil and industrial pressurisation.

**FIRE FIGHTING UNITS**

As for fire fighting units, Idrofoglia Safety Systems offer a wide range of:

- Fire fighting units according to EN12845-UNI10779 norms with base frame and coupling pumps, with vertical pumps and external engine (vertical turbine) and with submersible electro pump;
- Fire fighting unit according to NFPA norms with split case pumps and vertical pumps and external engine (vertical turbine);
- External room to the put pumping sets, manufactured according to UNI11292 norm.
- Steel and polyethylene water storage to be put underground and externally.
- Steel integrated systems to be put underground and externally, manufactured according to UNI11292 norm.

To complete the range Idrofoglia Safety Systems offer also:

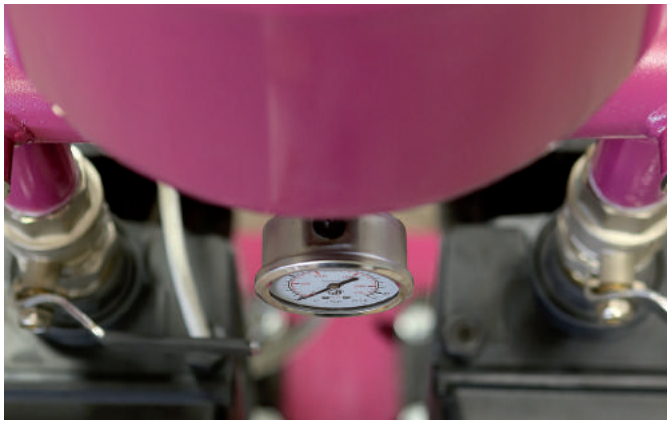
- Gas extinguishing systems
- Water mist systems
- Hydrant networks and sprinkler networks materials

**PRESSURIZATION SYSTEMS**

Idrofoglia Safety System can offer you a wide range of civil and industrial pressurisation systems:

- Pressurisation units with 2,3 o 4 electro pumps with vertical and horizontal axle managed by 4 pressure switch.
- Pressurisation units with 2,3 o 4 electro pumps with vertical and horizontal axle managed by inverter ( with panel, engine on board and water passage version).
- Autoclave tank.
- Lifting system for clean and dirty water with submersible electro pump and polyethylene tank.

Idrofoglia Safety Systems can offer you the most suitable solution with systems that totally respect the norms in force.
The high quality of the products is granted by the use of first choice materials and of an accurate test made by our highly specialized staff in an appropriate workshop. The fact that we have a huge stock of all the components and that we manufacture everything inside our premises assure fast deliveries, very competitive prices and the possibility to customize our products following customers needs.



# PRINCIPALI INFORMAZIONI SULLA NORMATIVA UNI EN 12845

### La normativa

La normativa UNI EN 12845 “Impianti fissi di estinzione incendi - Sistemi automatici sprinkler - Progettazione, installazione e manutenzione”, valida per tutta la UE, regolamenta l’esecuzione degli impianti antincendio utilizzanti sprinkler e sistemi di pompaggio acqua ad uso antincendio adatti all’alimentazione di reti idriche antincendio sprinkler o idranti.

### Principio di funzionamento

I sistemi antincendio IDRO J-FIRE sono realizzati in conformità alle normative UNI EN 12845.
Sono composti da una o più pompe principali da motori elettrici o diesel e da una pompa di compensazione (pompa pilota), che ha la funzione di mantenere in pressione l’impianto, oltre che compensare le piccole perdite nell’impianto stesso, evitando inopportuni avviamenti delle pompe principali (EN 12845:2009 punto 3.49 e par. 10.6.2.5).

La logica di funzionamento conforme alla normativa EN12845 prevede che le pompe entrino in funzione automaticamente in seguito ad una caduta di pressione dell’impianto e vengano arrestate manualmente.

In caso di una richiesta d’acqua dall’impianto, la prima a partire è la pompa di compensazione; se questa non riesce a ristabilire la pressione, interviene la pompa principale. Nel caso di più pompe, se la pressione nell’impianto continua a scendere, entrerà in funzione automaticamente anche la pompa di riserva indipendentemente dal funzionamento della pompa principale.

Per gli impianti ad idranti, ove ritenuto necessario per attività non costantemente presidiate, è ammesso anche l’arresto automatico del sistema, dopo che la pressione sia mantenuta costante per 20 minuti consecutivi (UNI10779 Appendice A.1.2).

## COME RICONOSCERE SE UN GRUPPO ANTINCENDIO RISPETTA LA NORMATIVA DI RIFERIMENTO EN12845 PUNTI PRINCIPALI:

### Dimensionamento e alimentazioni

- Dimensionamento dei motori (elettrico e Diesel) della pompa principale in corrispondenza dell’assorbimento ad NPSH 16 m della pompa stessa (Par. 10.1); consigliamo di richiedere le curve prestazionali complete della curva di assorbimento della pompa ad NPSH 16 m;
- In caso di pompe orizzontali deve essere possibile intervenire indipendentemente sia sul motore che sulla pompa ed eseguire le operazioni di manutenzione sulla pompa senza intervenire sulle tubazioni. Le pompe di aspirazione assiale devono essere del tipo back pull-out, (smontaggio lato motore). (Par. 10.1)
- Nei casi in cui più di una pompa è installata in una alimentazione idrica superiore o multipla, solamente una deve essere azionata da un motore elettrico (Par. 10.2);

#### In caso di motopompa

- Il motore Diesel deve essere in grado di funzionare continuamente a pieno carico alla quota di installazione con una potenza nominale continua e deve essere in grado di rendere operativa la pompa entro 15 secondi dall’inizio della sequenza di avviamento (Par. 10.9.1)
- Il serbatoio del combustibile deve contenere una quantità sufficiente di combustibile in grado di far funzionare il motore a pieno carico per 3,4 o 6 ore in base alla classificazione di rischio incendio dello stabile (Par. 10.9.6);
- Ogni motopompa deve essere collaudata dal fornitore per almeno 1,5 h alla portata nominale riportando tutti i dati di portata, prevalenza, velocità e temperature su apposito certificato (Par. 10.9.13.1);
- Il sistema di avviamento del motore deve essere dotato di due batterie separate, ogni batteria deve essere dotata di un carica batteria indipendente, sempre collegato alla rete (Par. 10.9.8 e Par. 10.9.9).

### Circuito di avviamento pompe

- Ogni pompa di servizio deve essere munita di un circuito composto da due pressostati, (uno di riserva all’altro in caso di anomali), (Par. 10.7.5.1 – 10.7.5.3)

### Componentistica di mandata (Par. 10.5)

- Su ogni pompa è necessario installare una valvola di non ritorno e una valvola di intercettazione
- Ogni pompa, se necessario per garantire una velocità inferiore ai 6 m/s (Par. 13.2.3), deve prevedere in mandata un cono concertino con angolo non superiore a 20°; il ns. cono concentrico ha anche la predisposizione per l’attacco al circuito di adescamento in caso di installazione soprabattente
- Tutte le valvole in mandata devono essere installate dopo una qualsiasi tubazione conica.
- Ogni pompa deve prevedere un dispositivo di ricircolo per assicurare un flusso continuo di acqua attraverso la pompa sufficiente a prevenire il surriscaldamento in caso di funzionamento a mandata chiusa.

### Componentistica di aspirazione (10.6.2)

- Ogni pompa deve prevedere in aspirazione un cono eccentrico con lunghezza pari ad almeno 2 volte il diametro, con la parte superiore rettilinea ed una conicità che non superi i 20°.
- Le valvole non possono essere installate direttamente sull’aspirazione della pompa. (Par.10.6.2.1)

#### In caso di aspirazione SOTTOBATTENTE (Par 10.6.2.2)

- La tubazione in aspirazione sarà dimensionato in maniera tale da garantire una velocità in aspirazione inferiore a 1,8 m/s alla massima portata richiesta, considerando che il diametro minimo della tubazione in aspirazione non deve essere inferiore a 65 mm;
- Nel caso di più pompe le aspirazioni possono essere interconnesse, se dotate di una valvola di intercettazione.
- È consigliato per una corretta installazione installare sempre una valvola di intercettazione, su ogni pompa, per gli interveti di manutenzione ed un giunto in gomma per attutire le vibrazioni in aspirazione (obbligatorio per la motopompa)

#### In caso di aspirazione SOPRABATTENTE(Par 10.6.2.3)

- La tubazione in aspirazione sarà dimensionato in maniera tale da garantire una velocità in aspirazione inferiore a 1,5 m/s alla massima portata richiesta, considerando che il diametro minimo della tubazione in aspirazione non deve essere inferiore a 80 mm;
- L’altezza del livello minimo dell’acqua non può superare i 3.2 m;
- Nel caso di più pompe le aspirazioni devono essere separate, anche l’aspirazione della pompa di compensazione (Par 10.6.2.5);
- È necessario installare nel punto più basso una valvola di fondo e prevedere un dispositivo di adescamento automatico separato per ogni pompa.

Il dispositivo deve comprendere un serbatoio della capacità di 100 o 500 l (in base alla classificazione di rischio incendio dello stabile) posizionato ad un livello più alto rispetto alla pompa e con una tubazione di collegamento discendete dal serbatoio alla mandata della pompa.
Il serbatoio e l’aspirazione della pompa deono essere mantenute costantemente piene d’acqua, se il livello del serbatoio scende sotto i 2/3 la pompa deve partire.
Il serbatoio deve essere fornito di tutto ciò che viene richiesto dal paragrafo 10.6.2.4 Fig. 6

# MAIN INFORMATIONS ABOUT THE UNI EN 12845 NORM

## EN 12845 Standard

The EN 12845 rule "Fixed fire fighting installations – Sprinkler automatic system – Planning installations and maintenance" is compulsory in all EU countries. The norm regulate the implementation of the fire fighting systems using sprinkler and pumping water system for fire fighting use appropriate to the fire fighting water supply network sprinkler or hydrant.

## Working Principle

The fire fighting systems IDRO J-FIRE are realized according to the EN 12845 norm. Composed by one or more main pumps, electric or diesel motors and one jockey pump used to keeps the fire fighting circuit pressurized as well as to replenish minor water loss to avoid starting an automatic suction or booster pump unnecessarily.
The jockey pump is automatically started and stopped by means of a pressure switch and keeps the fire fighting circuit pressurized. The main pump and the standby pump will start in sequence if there is a pressure drop in the circuit that cannot be compensated by the limited flow rate of the jockey electric pump.
The main pump and the standby pump will start automatically but are stopped in the manual mode with a switch on the relative control panel.
If the over pressure system is to exclusive service of an hydrant net, for not constantly protected activities, the stop can happen automatically, after that the pressure has been constantly maintained over the starting pressure of the pump at least 20 minutes in succession.

## HOW TO RECOGNIZE IF A FIRE FIGHTING UNIT IS MANUFACTURED ACCORDING TO THE EN12845 NORM HIGHLIGHTS:

## Sizing and power supply

- For pumps with increasing power characteristics, motor (electric and diesel) must be able to supply the maximum in any charge situation of the pump, from invalid capacity to the capacity at NPSH 16 (Sec. 10.1); we suggest to request the performance curve complete with the absorption curve of the pump at NPSH16;
- In case of horizontal pumps the coupling between the driver and the pump shall be of a type which ensures that either can be removed independently and in a such a way that pump internals can be inspected or replaced without affecting suction or discharge piping. End suction pump shall be of the "back-pull out" type (Sec 10.1)
- Where more than one pump is installed in a superior or duplicate water supply, no more than one shall be driven by an electric motor (Sec. 10.2)

### In case of diesel engine

- The diesel engine shall be capable of operating continuously at full load at site elevation with a rated continuous power output (according to ISO 3046). The diesel engine has also to guarantee that the pump has to be fully operational within 15s of the beginning of any starting sequence (Sec. 10.9.1)
- The fuel tank shall contain sufficient fuel to enable the engine to run on full load for 3-4-6 hours depending on the risk class of the system (Sec. 10.9.6);
- Each complete engine and pump-set shall be tested by the supplier for no less than 1,5 h at the rated flow. All the parameters contained in Sec. 10.9.13.1 (flow rate, hydraulic head, temperatures, engine speed…) has to be mentioned on the test certificate (Sec. 10.9.13.1);
- The starting system of the diesel engine has to be fitted out with two eparate battery power suppliers. Each starter battery shall be provided with an independent, continuously connected, fully automatic and constant potential charger. It shall be possible to remove either charger while leaving the other operational (Sec. 10.9.8 – Sec. 10.9.9)

## Pump starting circuit

- Two pressure switches shall be provided to start each pump set in order to assure the work of each pump in case of anomalies. They must be connected in series with normally closed contact (Sec. 10.7.5.1 – 10.7.5.3).

## Valves and accessories (sec. 10.5)

- A non-return and a stop valve shall be installed on each pump;
- Any taper pipe fitted to the pump outlet, if it is necessary to guarantee a lower water speed of 6 m/s (Sec. 13.2.3) shall expand in the direction of flow at an angle not exceeding 20°;
- Valves on the delivery side shall be fitted after any taper pipe;
- Some arrangements (e.g. circulation device) shall be made to ensure a continuous flow of water through the pump sufficient to prevent overheating when it is operating against a closed valve

## Suction conditions (sec. 10.6.2)

- The pump suction shall be connected to a straight or taper pipe at least two diameters long. The taper pipe shall have an horizontal top side and a maximum included angle not exceeding 20°;
- Valves shall not be fitted directly to the pumps inlet (Sec. 10.6.2.1)

### Positive head (10.6.2.2):

- In positive head conditions, the diameter of the suction pipe shall be no less than 65 mm. Furthermore, the diameter shall be such that a velocity of 1,8 m/s is not exceeded when the pump is operating at maximum demand flow. Where more than one pump is provided, the suction pipes may only be inter-connected if they are fitted with stop valves to allow each pump to continue operating when the other is removed for maintenance.
The connections shall be dimensioned as appropriate for the flow rate required.
- It is recommended, for a correct installation, to install on each pump a stop valve for maintenance intervention, and a rubber joint to ease the suction vibration (compulsory in case of diesel engine pump)

### Suction lift (sec. 10.6.2.3):

- In suction lift conditions, the diameter of the suction pipe shall be no less than 80 mm. Furthermore, the diameter shall be such that a velocity of 1,5 m/s is not exceeded when the pump is operating at maximum demand flow;
- The height from the low water level (see 9.3.5) to the centre line of the pump shall not exceed 3,2 m;
- Where there is more than one pump-set installed, the suction pipes shall not be interconnected;
- Each pump shall be fitted with a separate automatic priming arrangement. The arrangement shall consist of a tank of 100 or 500 lt. (depending on the risk class of the system) situated at a higher level than the pump and with a pipe connection sloping from the tank to the delivery side of the pump.
A non-return valve shall be fitted to this connection. The tank, the pump and the suction pipework shall be kept constantly full of water. Should the water level in the tank fall to 2/3 of the normal level, the pump shall start. The tank shall be provided with everything requested by the Sec. 10.6.2.4 – Fig. 6.

# ISG 100
## Idrofoglia Safety Guard

**QUADRO AUTOMATICO PER ELETTROPOMPA PILOTA**
Avviamento Diretto
Costruito secondo normativa UNI EN12845

CONTROL PANE FOR JOCKEY ELECTRIC PUMP
Direct starting
Produced according to UNI EN12845



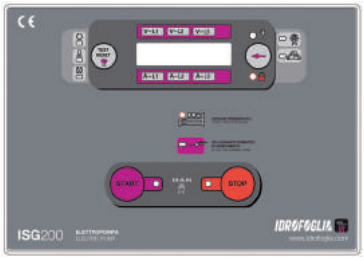
- Alimentazione 3 ~ 50/60Hz 400V±10%
- Quadro elettronico
- Ingresso normalmente aperto per comando di avviamento
- Ingresso per 3 sonde unipolari o galleggiante
- Pulsantiera per selezione funzionamento automatico, manuale (momentaneo), Spento/Reset
- Dip-switch per funzionamento sonde in Riempimento/Svuotamento
- Sensibilità sonde regolabile
- Led verde di presenza rete
- Led verde automatico inserito
- Led verde motore attivo
- Led rosso allarme livello
- Led rosso allarme motore in sovraccarico
- Controllo elettronico per sovraccarico motore regolabile
- Protezione ausiliari e motore con fusibili
- Uscita allarme (com-no-nc carico resistivo)
- Sezionatore generale bloccoporta
- Possibilità di inserimento condensatore di marcia (optional)
- Box in ABS, IP55
- Temperatura ambiente: -5/+40 °C
- Umidità relativa 50% a 40 °C (non condensata)

- Power supply 3~50/60 Hz 400V ±10%
- Electronic panel
- Normally open contact for start
- Contact for 3 level probes or float switch
- Push-buttons for selecting operation automatic, manual (temporary), Off/ Reset
- Dip-switch selector for filling/emptying operation
- Probes sensitivity adjustable
- Green led indicating mains supply
- Green led indicating automatic operation
- Green led indicating motor running
- Red led indicating level alarm
- Red led indicating motor overload
- Adjustable overload electronic protection
- Auxiliaries and motor protection fuses
- Alarm output (com-no-nc resistive load)
- Main switch interlocking door
- Running capacitor can be added (optional)
- Enclosure in ABS, IP55
- Ambient temperature: -5/+40 °C
- Relative humidity 50% at 40 °C (not condensed)

# ISG 200 D
## Idrofoglia Safety Guard

**QUADRO AUTOMATICO PER ELETTROPOMPA DI SERVIZIO**
Avviamento Diretto
Costruito secondo normativa UNI EN12845

CONTROL PANE FOR MAIN ELECTRIC PUMP
Direct starting
Produced according to UNI EN12845



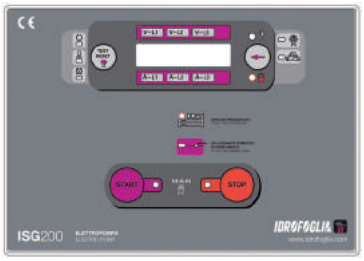

- Alimentazione 3 ~ 50/60Hz 400V±10%
- Ingressi e circuiti di comandi in bassa tensione
- N.2 Ingressi normalmente chiusi per pressostati di avviamento
- Ingresso per comando da serbatoio di avviamento
- Ingresso per segnalazione da pressostato impianto in pressione/pompa spenta
- Ingresso per segnalazione basso livello riserva idrica
- Selettore a chiave AUTO-0-EMERGENZA
- Pulsanti Marcia/Arresto per prova manuale
- Pulsante prova led centralina
- Display LCD per visualizzazione volt di rete e ampere su 3 fasi, Hz, var, watt, voltampere, cosfi, contaore totale e parziale, cronologia eventi
- Display con 5 lingue: Italiano, Inglese, Francese, Spagnolo, Tedesco
- Led di segnalazione
- Possibilità di funzionamento secondo UNI10779
- Funzioni di ritardo e allarmi impostabili
- Uscite allarme cumulativo di tipo A e tipo B
- Contattore elettropompa in AC4
- Protezione ausiliari e motore con fusibili
- Sezionatore generale bloccoporta
- Box metallico, IP55
- Temperatura ambiente: -5/+40 °C
- Umidità relativa 50% a 40 °C (non condensata)

- Power supply 3~50/60 Hz 400V ±10%
- Auxiliary circuits in low voltage
- N.2 Normally close contacts for start pressure switches
- Contact for contact from priming tank
- Contact for signal from pressure switch of system in pressure/pump off
- Contact for “low water mark” in to the water tank
- Key-selector for Auto-Off-Emergency
- Push-buttons for pump Start/Stop in manual test
- Push-buttons for checking the control unit’s LED
- LCD for monitoring: mains volt and ampere on 3 phases, Hz, var, watt, voltampere, cosfi, total and partial hour meter , events chronology
- LCD in 5 languages: Italian, English, French, Spanish, German
- LED for signals
- Operation mode according to UNI10779
- Specific alarms and delays settable on the electronic unit
- Terminal cumulative A and B allarm
- Contactor in AC4
- Auxiliaries and motor protection fuses
- Main switch interlocking door
- Steel enclosure, IP55
- Ambient temperature: -5/+40 °C
- Relative humidity 50% at 40 °C (not condensed)

# ISG 200 ST
## Idrofoglia Safety Guard

**QUADRO AUTOMATICO PER ELETTROPOMPA DI SERVIZIO**
Avviamento Stella-Triangolo
Costruito secondo normativa UNI EN12845

CONTROL PANE FOR MAIN ELECTRIC PUMP
Star-Delta starting
Produced according to UNI EN12845




- Alimentazione 3 ~ 50/60Hz 400V±10%
- Ingressi e circuiti di comandi in bassa tensione
- N.2 Ingressi normalmente chiusi per comando pressostati di avviamento
- Ingresso per comando da serbatoio di adescamento
- Ingresso per segnalazione da pressostato impianto in pressione/pompa spenta
- Ingresso per segnalazione basso livello riserva idrica
- Selettore a chiave AUTO-0-EMERGENZA
- Pulsanti Marcia/Arresto per prova manuale
- Pulsante prova led centralina
- Pulsante menu funzioni centralina
- Display LCD per visualizzazione volt di rete e ampere su 3 fasi, Hz, var, watt, voltampere, cosfi, contaore totale e parziale, cronologia eventi
- Display con 5 lingue: Italiano, Inglese, Francese, Spagnolo, Tedesco
- Led di segnalazione
- Possibilità di funzionamento secondo UNI10779
- Funzioni di ritardo e allarmi impostabili
- Temporizzatore stella-triangolo regolabile da centralina
- Uscite allarme cumulativo di tipo A e tipo B
- Contattore elettropompa in AC4
- Protezione ausiliari e motore con fusibili
- Sezionatore generale bloccoporta
- Involucro metallico, IP55
- Temperatura ambiente: -5/+40 °C
- Umidità relativa 50% a 40 °C (non condensata)

- Power supply 3~50/60 Hz 400V ±10%
- Auxiliary circuits in low voltage
- N.2 Normally close contacts for start pressure switches
- Contact for signal from priming tank
- Contact for signal from pressure switch of system in pressure/pump off
- Contact for “low water mark” in to the water tank
- Key-selector for Auto-Off-Emergency
- Push-buttons for pump Start/Stop in manual test
- Push-buttons for checking the control unit’s LED
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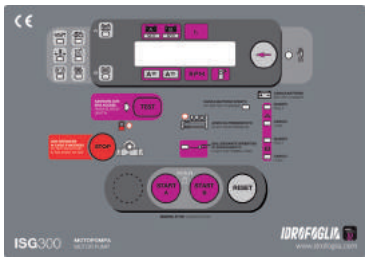
- LCD for monitoring: mains volt and ampere on 3 phases, Hz, var, watt, voltampere, cosfi, total and partial hour meter , events chronology
- LCD in 5 languages: Italian, English, French, Spanish, German
- LED for signals
- Operation mode according to UNI10779
- Specific alarms and delays settable on the electronic unit
- Star/delta timer adjustable on electronic unit
- Terminal cumulative A and B allarm
- Contactor in AC4
- Auxiliaries and motor protection fuses
- Main switch interlocking door
- Steel enclosure, IP55
- Ambient temperature: -5/+40 °C
- Relative humidity 50% at 40 °C (not condensed)

# ISG 300
## Idrofoglia Safety Guard

**QUADRO AUTOMATICO PER MOTOPOMPA DIESEL**
Costruito secondo normativa UNI EN12845

CONTROL PANE FOR MAIN DIESEL MOTOR PUMP
Produced according to UNI EN12845




- Alimentazione 1 ~ 50/60Hz 230V±10%;
- Ingressi e circuiti di comandi in bassa tensione;
- N.2 Ingressi normalmente chiusi per comando pressostati di avviamento;
- N.2 Ingressi da batterie esterne per motorino d'avviamento ed alimentazione circuiti ausiliari;
- Ingresso per comando da serbatoio di adescamento;
- Ingresso per segnalazione da pressostato impianto in pressione/motopompa spenta;
- Ingresso per segnalazione basso livello riserva idrica;
- Selettore a chiave AUT-MAN;
- Pulsanti di avviamento e arresto manuale motopompa;
- Pulsante di ripristino anomalie;
- Pulsante prova avviamento manuale (attivo in caso di mancato avviamento automatico);
- Pulsante prova led centralina;
- Pulsanti di avviamento di Emergenza Manuale protetti da "Safe crash";
- Display LCD retroilluminato per visualizzazione n. 2 voltmetri batterie, n. 2 amperometri batterie, contagiri, contaore totale e parziale, indicatore livello combustibile, termometro acqua, termometro olio, manometro olio, contavviamenti da batterie e storico eventi;
- Led di segnalazione;
- Possibilità di funzionamento secondo UNI10779;
- Display con 5 lingue: Italiano, Inglese, Francese, Spagnolo, Tedesco;
- Funzioni di ritardo e allarmi impostabili;
- Uscite allarme cumulativo di tipo A e tipo B.
- N.2 caricabatteria 12Vdc 3A (24Vdc 3A per versione a 24V);
- Protezione ausiliari e motore con fusibili;
- Sezionatore generale bloccoporta;
- Involucro metallico, IP55;
- Temperatura ambiente: -5/+40 °C;
- Umidità relativa 50% a 40 °C (non condensata);

- Power supply 1~50/60 Hz 230V ±10%;
- Auxiliary circuits in low voltage;
- N.2 Normally close contacts for start pressure switches;
- N.2 Contacts from external batteries for starting motor and auxiliary circuits power supply;
- Contact for signal from priming tank;
- Contact for signal from pressure switch of system in pressure/pump off;
- Contact for "low water mark" in to the water tank
- Key-selector for AUT-MAN;
- Push-buttons for manual Start/Stop of the pump;
- Push-buttons for faults reset;
- Push-button for manual start test (active in case of auto-start failed);
- Push-buttons for checking the control unit's LED;
- Push-button for manual emergency start protected by "Safe crash";
- LCD for monitoring: n.2 batteries volt and ampere, round counter, total and partial hour counter, fuel level indicator, water and oil temperature, oil pressure, start counter and events chronology;
- LED for signals;
- Operation mode according to UNI10779;
- LCD in 5 languages: Italian, English, French, Spanish, German;
- Specific alarms and delays settable on the electronic unit;
- Terminal cumulative A and B allarm
- N.2 Battery chargers 12Vdc 3A (24Vdc 3A for 24V version);
- Auxiliaries and motor protection fuses;
- Main switch interlocking door;
- Steel enclosure, IP55;
- Ambient temperature: -5/+40 °C;
- Relative humidity 50% at 40 °C (not condensed).

# GRUPPI ANTINCENDIO

GAMMA BG - VTS - SM

# FIRE FIGHTING UNITS

BG - VTS - SM RANGE

GRUPPI ANTINCENDIO

# BASE GIUNTO BG

EN 12845
UNI 10779

FIRE FIGHTING UNITS

# BASE COUPLING BG

IDROFIRE BG P1E

IDROFIRE BG P2E

IDROFIRE BG ETP

IDROFIRE BG P1M

IDROFIRE BG PEM

IDROFIRE BG MTP

# VOCE DI CAPITOLATO

Fornitura e posa in opera di gruppo di pressurizzazione antincendio, tipo IDROFOGLIA a norma EN12845 con pompe normalizzate base-giunto secondo EN733 (DIN 24255) accoppiate al motore mediante giunto elastico con distanziale, composto da:

## Sezione Elettropompa pilota

n°1 elettropompa pilota, monoblocco autoadescante, per il mantenimento della pressione all'interno dell'anello antincendio, con bocca aspirante assiale e bocca premente radiale, entrambe filettate ISO 228/1, corpo pompa in ghisa, gruppo eiettore in tecnopolimero, albero in acciaio INOX, girante in ottone, tenuta in ceramica-grafite-NBR accoppiata con motore elettrico chiuso con ventilazione esterna trifase classe d'isolamento F e protezione IP44.
La pompa pilota è corredata in mandata di una valvola di ritegno, una valvola a sfera, un vaso di espansione 20 litri PN16, e raccordi per il collegamento al quadro di comando. La pompa è comandata in automatico da un quadro in lamiera zincata con applicato un pressostato di avviamento regolabile con grado di protezione IP55, manometro e circuito di prova del pressostato.
L'elettropompa pilota è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto, così composto:

- interruttore blocco porta fusibilitato
- contattore e relè termico
- selettore Manuale – 0 – Automatico a chiave
- lampada di avviamento
- lampada di blocco
- lampada di presenza rete
- trasformatore 400/24/12V per circuito ausiliario
- fusibili per circuito ausiliario
- morsettiera e pressacavi
- alimentazione 400 (3F) 50 Hz

## Sezione Elettropompa di servizio (o di riserva)

n°1 elettropompa di servizio del tipo base giunto ad asse orizzontale, monogirante con bocca aspirante assiale e bocca premente radiale, entrambe flangiate UNI PN16, corpo pompa in ghisa, albero in acciaio inox e tenuta meccanica in grafite/carburo di silicio, accoppiate mediante giunto elastico con distanziale a un motore asincrono trifase in forma B3 a ventilazione esterna, classe d'isolamento F, sovratemperatura dell'avvolgimento classe B, grado di protezione IP 55, numero di giri 2900 g/min.
L'elettropompa di servizio è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto (fino a 9,2 kW) ed avviamento stella-triangolo (da 11 kW) così composto:

- interruttore blocco porta
- scheda elettronica di gestione programmabile con spie e led di segnalazione
- prova settimanale integrata
- presa interbloccata di servizio monofase 16 A
- selettore Manuale – 0 – Automatico a chiave
- pulsanti di marcia e arresto
- relè mancanza fase e sequenza fase
- batteria a tampone con carica batteria
- trasformatore 400/24/12V per circuiti ausiliari
- fusibili per circuito ausiliario
- fusibili generali
- n.3 contattori
- temporizzatore di scambio
- amperometro
- voltmetro con commutatore voltmetrico
- lampeggiante con avvisatore acustico
- morsettiera
- alimentazione 400 (3F+N) 50 Hz

## Sezione Motopompa di servizio (o di riserva)

n°1 motopompa di servizio del tipo base giunto ad asse orizzontale, monogirante con bocca aspirante assiale e bocca premente radiale, entrambe flangiate UNI PN16, corpo pompa in ghisa, albero in acciaio inox e tenuta meccanica in grafite/carburo di silicio, accoppiate mediante giunto elastico con distanziale a un motore diesel raffreddato ad aria fino a 30 kW e a liquido al di sopra dei 30 kW, con cinghie multiple, completo di serbatoio a caduta per un'autonomia di 6 h e doppia batteria per l'avviamento. Il gruppo motopompa sarà completo di giunti antivibranti collegati al telaio e giunto di compensazione sull'aspirazione della pompa. La motopompa è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 così composto:

- interruttore blocco porta
- scheda elettronica programmabile di comando e gestione motopompa
- indicazioni ed allarmi sul display
- selettore Manuale – 0 – Automatico a chiave
- n.2 carica batterie 12/24V con controllo a microprocessore completi di n.2 trasformatori 230/16V e circuiti separati per l'alimentazione
- controllo batterie sul display
- fusibili per circuito ausiliario
- contagiri analogico
- prova settimanale integrata
- magnetotermico differenziale preriscaldo
- morsettiera
- alimentazione 230 (F+N) 50 Hz

Ogni pompa principale è corredata in aspirazione di un manovuotometro. La mandata della pompa è corredata in sequenza di un giunto in gomma di compensazione, un aumento flangiato per garantire una velocità dell'acqua pari a 6 m/s, predisposto per il collegamento del serbatoio di adescamento, un diaframma calibrato in ottone da 3/8" per il ricircolo e lo scarico dell'aria della pompa, un manometro, una valvola di non ritorno ispezionabile, un diaframma zincato con uscita da 1/2" per il collegamento al quadro di avviamento della pompa e una valvola a farfalla d'intercettazione. Le pompe sono comandate in automatico da un pannello di controllo in lamiera zincata, collegato al diaframma mediante un tubo RILSAN 2034 15/12.5 pa12, dove si trovano 2 pressostati di avviamento regolabili con grado di protezione IP55, manometro e circuito di prova dei pressostati.
Sul collettore di mandata vi è la predisposizione per il collettore di prova, il collettore è sorretto da 2 gambe collegate al telaio principale, per garantire la stabilità e la continuità del servizio anche se si interviene su di una pompa.
Quadri, pompe e motori sono installati su un telaio realizzato in acciaio zincato.

**ACCESSORI A CORREDO:**

- Kit Flussimetro adeguatamente dimensionato, composto da:
  - Flussimetro a lettura rinviata
  - Collettore in acciaio zincato
  - Valvola di intercettazione
- Quadro allarme acustico-luminoso di remotazione allarme
- Per installazione del gruppo di tipo soprabattente, ogni singola pompa di servizio è corredata in aspirazione di una riduzione eccentrica flangiata (se necessario), per garantire una velocità dell'acqua in aspirazione pari a 1,5 m/s e viene mantenuta costantemente carica da un serbatoio di adescamento in LLDPE da 500 litri che dovrà essere collegato alla pompa si servizio mediante un tubo di diametro 50 mm; sul collegamento della pompa vi è applicata una valvola di ritegno. Il serbatoio è mantenuto pieno dalla rete idrica con applicata una valvola a galleggiante, se il livello del serbatoio, per eventuali perdite della valvola di fondo, scende sotto i 2/3 vi è un interruttore di livello che fa partire la pompa di servizio.
- Per installazione del gruppo di tipo sottobattente, ogni singola pompa di servizio è corredata in aspirazione di una riduzione eccentrica flangiata (se necessario), per garantire una velocità dell'acqua in aspirazione pari a 1,8 m/s e una valvola di intercettazione (valvola a farfalla "Lug") e la pompa pilota di valvola a sfera con giunto a 3 pezzi.

# PROJECT DESCRIPTION

Fire Fighting Unit IDROFOGLIA with normalized base-coupling pump as EN733 (DIN24255) coupled to the engine by elastic joint with spacer, composed by:

### Jockey Pump Section

Nr. 1 Jockey electric pump, self-priming mono-block for the maintenance of the proper water pressure into the firewater ring main, with axial suction part and radial discharge nozzle, both threaded ISO 228/1, cast iron pump, techno polymer ejector, stainless steel shaft, brass impeller, seal ceramic-graphite-NBR coupled with close electric engine supplied with externally ventilated three-phase insulation class F and IP44 protection.
The jockey pump is equipped on delivery with one check valve, one ball valve, a 20 liters expansion tank PN16, and fittings for control panel connection. The pump is automatically controlled by a galvanized control panel with an adjustable starting pressure switch IP55 protection level, gauge and pressure switch testing circuit.
The jockey electric pump is controlled by an independently control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter, composed by

- door locking switch
- contactor and overload relay
- manual selector lever 0 automatic with key
- starting signal light
- block signal light
- main present signal light
- transformer 400/24/12V for auxiliary circuits
- auxiliary circuit fuses
- terminal board and cable glands
- power input 400 (3F) 50 Hz

### Main (or backup) Electric Pump Section

Nr. 1 Electric pump base-coupling type with horizontal axis, impeller with axial suction port and radial discharge nozzle both flanged UNI PN 16, cast iron pump, stainless steel shaft and mechanical seal in carbon/silicon carbide coupled by elastic joint with spacer to a three-phase asynchronous engine B3 with external ventilation, F insulation class, winding over temperature class B, protection level IP55, 2900 rpm.
The Electric pump is controlled by and independently control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter (until 9,2 kW) and star delta starting (from 11 kW) composed by:

- door lock switches
- programmable electronic management with indicator led and light
- integrated weekly test
- interlocked mono-phase 16A service power point
- manual selector level 0 automatic with key
- start and stop buttons
- phase failure and phase sequence relay
- buffer battery with charger
- transformer 400/24/12V for auxiliary circuits
- auxiliary circuit fuses
- general fuses
- nr. 3 contactors
- swap timer
- ampere meter
- voltmeter with voltmeter switch
- flashing with buzzer
- terminal board
- power input 400 (3F+N) 50 Hz

### Main (or backup) Diesel Motor Pump Section

Nr. 1 Diesel Motor pump base-coupling type with horizontal axis, impeller with axial suction port and radial discharge nozzle both flanged UNI PN16, cast iron pump, stainless steel shaft and mechanical seal in carbon/silicon carbide coupled by elastic joint with spacer to a diesel engine, air cooled up to 30 kW and liquid above the 30 kW, with multiple strap belts, complete with gravity tank to guarantee 6 h autonomy and double starter battery. The diesel motor pump set shall be complete of anti-vibration joints connected to frame and compensation joint connected on suction.
The Diesel Motor pump is controlled by an independent control panel manufactured according to EN12845 norm, with painted IP55 protection level sheet metal, composed by:

- door lock switches
- programmable electronic management with indicator led and light
- indications and alarms on display
- manual selector – automatic with key
- nr. 2 battery charges 12/24V with microprocessor control complete of nr. 2 transformers 230/16V and power supply separate circuits
- battery control on display
- auxiliary circuit fuses
- analogic tachometer
- integrated weekly test
- preheating differential magneto thermic
- terminal board
- power input 230(F+N) 50 Hz

Each pump is equipped with a vacuum gauge on suction. The discharge is equipped in sequence by a flanged rubber joint, a taper pipe flanged to guarantee 6 m/s, predisposed for priming tank connection, a brass orifice plate of 3/8" air pump recycle and reject, a manometer, an inspected non return valve, a galvanized diaphragm with ½" output for pump started panel connection and a shut-off butterfly valve. The pumps are automatically controlled by galvanized control panel, connected to the diaphragm by RILSAN 2034 15/12.5 pa12 hose, where there are 2 adjustable starting pressure with IP55 level protection, gauge and pressure circuit test.
On the delivery manifold there is a predisposition for the "manifold test". The manifold is supported by two "legs" connected to the main frame to guarantee the service stability and continuity.
Control panels, pumps and engines are installed on a galvanized steel frame.

**ACCESSORIES:**

- Flow meter Kit adequately sized, composed by:
  - Postponed reading flow meter
  - Galvanized steel manifold
  - Shut off valve
- Control panel for alarm maintaining with remote control. Control panel for A and B alarms grouping with the possibility to connect sirens and to interface it, trough clean contacts, with the eventual supervision system;
- In case of suction lift installation, each service pump is equipped on suction by an eccentric double flanged reduction (if it is necessary), to guarantee in suction a water speed equal to 1,5 m/s, and it is maintained constantly charged by an LLDPE priming tank of 500 lt which must be connected to the service pump by a diameter 50 mm hose.
On the connection there is applied a check valve.
The tank is preserved fully by hydrological networks with applied a float valve. If the tank level, for any foot valve losses, falls below 2/3 there is a level switch that allow the service pump starting.
- In case of positive head installation, each service pump is equipped on suction by an eccentric double flanged reduction (if it is necessary), to guarantee in suction a water speed equal to 1,8 m/s and a shut-off valve (butterfly valve "Lug" type) and the jockey pump is equipped with a ball valve with 3 pieces joint.

# PRESTAZIONI POMPE
# PUMPS PERFORMANCES

## **DATI TECNICI** TECHNICAL DATA

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 100 | 133 | 233 | 267 | 333 | 375 | 417 | 500 | 542 | 583 | 625 | 667 | 708 | 750 | 833 | 917 |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 6 | 8 | 14 | 16 | 20 | 22,5 | 25 | 30 | 32,5 | 35 | 37,5 | 40 | 42,5 | 45 | 50 | 55 |
| 32-200-NC | 4 | L | 4,2 | or | 1,1 | 20 | 20 | | 45 | 44 | 39,8 | 38,2 | 34,4 | 30 | 27,5 | | | | | | | | | | |
| 32-200-NB | 5,5 | L | 6,2 | or | 1,1 | 22,5 | 25 | | 53 | 52,8 | 51,1 | 50,2 | 47,4 | 45 | 43 | 35 | | | | | | | | | |
| 32-200-NA | 7,5 | L | 7,1 | or | 1,1 | 25 | 25 | | 62,8 | 62,6 | 62,2 | 62 | 59,5 | 59 | 57,5 | 49,7 | 45 | 38,6 | | | | | | | |
| 32-250-E | 11 | L | 13,6 | or | 2,2 | 32,5 | 37,5 | | | 64 | 63,5 | 63,4 | 62,5 | 62 | 61 | 59,5 | 58,5 | 57,4 | 56 | 55 | 52,5 | | | | |
| 32-250-225 | 15 | L | 13,6 | or | 1,1 | 30 | 30 | | | | | | 69 | 68 | 67 | 62 | 59 | 55 | 49 | 42 | | | | | |
| 32-250-235 | 15 | L | 17,6 | or | 2,2 | 30 | 30 | | | | | | 76 | 75 | 74 | 70 | 67 | 63 | 58 | 53 | 43 | | | | |
| 32-250-245 | 18,5 | L | 17,6 | or | 2,2 | 32,5 | 30 | | | | | | 83,5 | 82,5 | 81 | 76,5 | 73,5 | 75 | 66 | 61 | 54 | 47 | | | |
| 32-250-B | 22 | P | 20,1 | or | 2,2 | 42 | 45 | H mt | | 85,6 | 85 | 84 | 83,6 | 83 | 82,8 | 81 | 79 | 78,5 | 77 | 75,5 | 74 | 73 | 70 | 65,6 | |
| 32-250-255 | 18,5 | L | 17,6 | or | 2,2 | 32,5 | 30 | | | | | | 89 | 88 | 87 | 82,5 | 79,5 | 77 | 73 | 68 | 62 | 54 | | | |
| 32-250-264 | 18,5 | P | 20,1 | or | 2,2 | 32,5 | 31 | | | | | | 95 | 93,5 | 92,5 | 88 | 85 | 82 | 78 | 73 | 66 | 58 | | | |
| 32-250-A | 22 | L | 24 | or | 2,2 | 45 | 45 | | | 94,5 | 94 | 94 | 92,5 | 92 | 92 | 90 | 89 | 88 | 86 | 85 | 83 | 81 | 77 | 71 | |
| 40-200-185 | 7,5 | L | 7,1 | or | 1,1 | 30 | 33 | | | | | | 46 | 45,5 | 44 | 41 | 39 | 37 | 34 | 30 | 26 | 21 | | | |
| 40-200-195 | 9 | L | 10,4 | or | 1,1 | 32,5 | 35 | | | | | | 52,5 | 51,5 | 50 | 47 | 45,5 | 43 | 40,5 | 37 | 34 | 30 | | | |
| 40-200-205 | 11 | L | 10,4 | or | 1,1 | 32,5 | 35 | | | | | | 58 | 57,5 | 57 | 54 | 52,5 | 50 | 47,5 | 44 | 41 | 37 | 26 | | |
| 40-200-214 | 11 | L | 10,4 | or | 1,1 | 35 | 35 | | | | | | 62,5 | 61,5 | 61 | 58,5 | 57 | 55 | 52,5 | 50 | 46,5 | 43 | 33 | | |
| 40-200-NA | 11 | L | 13,6 | or | 2,2 | 40 | 55 | | | | | | 60 | 59,5 | 59 | 57 | 56,5 | 56 | 55 | 54 | 52 | 50 | 47 | 41,5 | |

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 333 | 417 | 500 | 583 | 667 | 750 | 833 | 917 | 1000 | 1083 | 1167 | 1250 | 1333 | 1417 | 1500 | 1667 |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 100 |
| 40-250-225 | 15 | L | 17,6 | or | 1,1 | 40 | 52 | | | 63 | 62 | 60 | 57 | 53 | 48 | 41 | 34 | | | | | | | |
| 40-250-235 | 18,5 | L | 17,6 | or | 2,2 | 45 | 52 | | | 70,5 | 69 | 68 | 66 | 62 | 57 | 51 | 44 | 30 | | | | | | |
| 40-250-245 | 22 | P | 20,1 | or | 2,2 | 45 | 52 | | | 78 | 77 | 76 | 74 | 70 | 66 | 61 | 54 | 52 | | | | | | |
| 40-250-255 | 22 | P | 20,1 | or | 2,2 | 50 | 52 | | | 86 | 85 | 82 | 81 | 78 | 74 | 69 | 62,5 | 61 | 34 | | | | | |
| 40-250-264 | 22 | L | 24 | or | 2,2 | 50 | 53 | | | 93 | 91 | 89 | 87 | 84 | 80 | 76 | 70 | 60,5 | 46 | | | | | |
| 40-250-264 | 22 | P | 26,8 | or | 2,2 | 50 | 53 | | | 93 | 91 | 89 | 87 | 84 | 80 | 76 | 70 | 60,5 | 46 | | | | | |
| 40-315-RB300 | 45 | V | 48 | vt | 1,5 | 50 | 55 | | 112 | 111,5 | 111 | 110,5 | 110 | 109 | 107,5 | 105,5 | 103,5 | 100 | 98 | | | | | |
| 40-315-RAB308 | 45 | V | 48 | vt | 1,5 | 50 | 50 | | 122 | 121 | 120,5 | 120 | 119,5 | 118 | 117 | 115 | 113 | 110 | 107,5 | | | | | |
| 40-315-RAB315 | 55 | V | 48 | vt | 2,2 | 50 | 55 | | 131,5 | 131 | 130,5 | 130 | 129 | 128 | 127 | 124,5 | 122,5 | 120 | 117 | | | | | |
| 50-160-174 | 15 | L | 13,6 | or | 1,1 | 80 | 66 | | | | | 42 | 41,5 | 41 | 40 | 39 | 38 | 37,5 | 36 | 35 | 33,5 | 32 | 30 | 26,5 | |
| 50-200-185 | 11 | L | 10,4 | or | 1,1 | 50 | 55 | | | | | 44 | 43 | 41,5 | 39 | 37 | 33,5 | 30 | 27 | 22 | 16 | | | | |
| 50-200-195 | 15 | L | 13,6 | or | 1,1 | 55 | 55 | | | | | 49,5 | 48,5 | 47,5 | 45,5 | 43 | 41 | 37 | 34 | 28 | 24 | 18 | | | |
| 50-200-C | 11 | L | 10,4 | or | 1,1 | 50 | 65 | | | 52 | 51 | 49,6 | 47,8 | 45,9 | 43,4 | 41 | 38 | 35 | 32 | 28 | | | | | |
| 50-200-B | 11 | L | 13,6 | or | 1,1 | 50 | 65 | | | 57 | 56 | 54 | 52 | 50 | 47 | 44 | 41 | 37 | 33 | | | | | | |
| 50-200-205 | 15 | L | 17,6 | or | 1,1 | 60 | 55 | | | | | 54,5 | 53,5 | 52,5 | 50,5 | 48,5 | 46 | 43 | 40 | 36 | 32 | 27 | 21 | | |
| 50-200-A | 15 | L | 13,6 | or | 2,2 | 50 | 65 | | | 60 | 59 | 58 | 56,5 | 55 | 53 | 50,5 | 48 | 43 | 41 | 30 | | | | | |
| 50-200-214 | 18,5 | L | 17,6 | or | 1,1 | 65 | 55 | H mt | | | | | 58,5 | 57,5 | 56 | 53,5 | 51 | 48,5 | 45,5 | 41,5 | 38 | 33 | 28 | | |
| 50-200-NB | 18,5 | P | 20,1 | or | 1,1 | 75 | 75 | | | | | | | | 57 | 55 | 53 | 51,5 | 50 | 48 | 47 | 45 | 42 | 37 | |
| 50-200-NA | 22 | L | 24 | or | 2,2 | 82,5 | 95 | | | | | | | | 67 | 66 | 65 | 64 | 62 | 60 | 58 | 55 | 52,5 | 45,5 | |
| 50-200-NA | 22 | P | 26,8 | or | 2,2 | 82,5 | 95 | | | | | | | | 67 | 66 | 65 | 64 | 62 | 60 | 58 | 55 | 52,5 | 45,5 | |
| 50-250-225 | 18,5 | P | 20,1 | or | 2,2 | 50 | 65 | | | | | 65 | 63,5 | 61 | 58 | 54 | 50 | 44 | 36 | 24 | | | | | |
| 50-250-235 | 22 | L | 24 | or | 2,2 | 50 | 65 | | | | | 74 | 72,5 | 71,5 | 68,5 | 65 | 61,5 | 56,5 | 50 | 40 | 26 | | | | |
| 50-250-235 | 22 | P | 26,8 | or | 2,2 | 50 | 65 | | | | | 74 | 72,5 | 71,5 | 68,5 | 65 | 61,5 | 56,5 | 50 | 40 | 26 | | | | |
| 50-250-245 | 30 | L | 24 | or | 2,2 | 55 | 65 | | | | | 84 | 82,5 | 81 | 78 | 75 | 71,5 | 67,5 | 62 | 55,5 | 46 | 30 | | | |
| 50-250-245 | 30 | P | 26,8 | or | 2,2 | 55 | 65 | | | | | 84 | 82,5 | 81 | 78 | 75 | 71,5 | 67,5 | 62 | 55,5 | 46 | 30 | | | |
| 50-250-255 | 30 | V | 33 | or | 2,2 | 60 | 65 | | | | | 92 | 91 | 90 | 88 | 86 | 83 | 79 | 75 | 69,5 | 62 | 52 | 38 | | |
| 50-250-264 | 30 | V | 33 | or | 2,2 | 65 | 65 | | | | | 101 | 100 | 98 | 96 | 93,5 | 91 | 88 | 84 | 79,5 | 73,5 | 65,5 | 56 | | |
| 50-250-264 | 30 | P | 37,5 | or | 2,2 | 65 | 65 | | | | | 101 | 100 | 98 | 96 | 93,5 | 91 | 88 | 84 | 79,5 | 73,5 | 65,5 | 56 | | |
| 50-250-NA | 37 | V | 33 | or | 2,2 | 70 | 100 | | | 100 | 99,5 | 99 | 98 | 97 | 94,5 | 93 | 90,5 | 87,5 | 84 | 80 | 76,5 | 70 | 66 | 55 | |
| 50-250-NA | 37 | P | 37,5 | or | 2,2 | 70 | 100 | | | 100 | 99,5 | 99 | 98 | 97 | 94,5 | 93 | 90,5 | 87,5 | 84 | 80 | 76,5 | 70 | 66 | 55 | |
| 50-315-274 | 45 | V | 48 | vt | 1,5 | 60 | 80 | | | | | 100 | 98 | 96 | 94 | 91 | 89 | 86 | 81 | 74 | 66 | 60 | | | |
| 50-315-291 | 55 | V | 48 | vt | 1,5 | 70 | 85 | | | | | 115 | 114 | 112 | 110 | 108 | 106 | 102 | 99 | 94 | 90 | 82 | 74 | | |
| 50-315-308 | 75 | V | 65 | vt | 1,5 | 70 | 90 | | | | | 130 | 128 | 127 | 125 | 123 | 122 | 119 | 117 | 114 | 110 | 106 | 100 | | |

# PRESTAZIONI POMPE
# PUMPS PERFORMANCES

## **DATI TECNICI** TECHNICAL DATA

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 667 | 833 | 1000 | 1167 | 1333 | 1500 | 1667 | 1833 | 2000 | 2167 | 2333 | 2500 | 2667 | 2833 | 3000 | 3167 |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 |
| 65-200-185 | 22 | P | 20,1 | or | 1,1 | 110 | 120 | | | | 45 | 44 | 42,5 | 40,5 | 38 | 36,5 | 34 | 32 | 28 | 25 | 20 | 15 | | |
| 65-200-NA | 30 | V | 33 | or | 2,2 | 120 | 130 | | 66,5 | 66 | 65 | 64,7 | 63,7 | 62 | 60 | 58 | 55,6 | 53 | 50 | 47 | 43 | 38 | 34 | |
| 65-200-195 | 30 | L | 24 | or | 1,1 | 120 | 120 | | | | 51,5 | 50,5 | 48,5 | 47 | 45 | 43 | 41 | 38,5 | 36,5 | 34 | 30 | 26 | 21 | |
| 65-200-195 | 30 | P | 26,8 | or | 1,1 | 120 | 120 | | | | 51,5 | 50,5 | 48,5 | 47 | 45 | 43 | 41 | 38,5 | 36,5 | 34 | 30 | 26 | 21 | |
| 65-200-205 | 30 | P | 26,8 | or | 1,1 | 130 | 120 | | | | 57 | 56 | 55 | 53 | 52 | 49,5 | 47,5 | 46 | 43,5 | 41,5 | 38,5 | 35 | 31 | 25 |
| 65-200-214 | 37 | V | 33 | or | 2,2 | 140 | 120 | | | | 61,5 | 60,5 | 60 | 58 | 57 | 55 | 53,5 | 52 | 50 | 47 | 45,5 | 43 | 39,5 | 35,5 |
| 65-200-214 | 37 | P | 37,5 | or | 2,2 | 140 | 120 | | | | 61,5 | 60,5 | 60 | 58 | 57 | 55 | 53,5 | 52 | 50 | 47 | 45,5 | 43 | 39,5 | 35,5 |
| 65-250-225 | 37 | V | 33 | or | 2,2 | 120 | 126 | | | | 66 | 65 | 64 | 63 | 61 | 58 | 56 | 53 | 48 | 45 | 40 | 36 | 26,5 | |
| 65-250-225 | 37 | P | 37,5 | or | 2,2 | 120 | 126 | | | | 66 | 65 | 64 | 63 | 61 | 58 | 56 | 53 | 48 | 45 | 40 | 36 | 26,5 | |
| 65-250-NB | 37 | V | 33 | or | 2,2 | 110 | 110 | H mt | | 75 | 74,4 | 73,5 | 72,5 | 72 | 69 | 67 | 63,5 | 62,5 | 60 | 57,5 | | | | |
| 65-250-NB | 37 | P | 37,5 | or | 2,2 | 110 | 110 | | | 75 | 74,4 | 73,5 | 72,5 | 72 | 69 | 67 | 63,5 | 62,5 | 60 | 57,5 | | | | |
| 65-250-235 | 37 | V | 48 | or | 2,2 | 120 | 126 | | | | 74 | 73 | 72 | 71 | 68 | 67,5 | 65 | 61 | 58 | 55 | 48 | 44 | 37,5 | |
| 65-250-235 | 37 | P | 37,5 | or | 2,2 | 120 | 126 | | | | 74 | 73 | 72 | 71 | 68 | 67,5 | 65 | 61 | 58 | 55 | 48 | 44 | 37,5 | |
| 65-250-245 | 45 | V | 48 | or | 2,2 | 130 | 126 | | | | 80 | 79 | 78 | 77,5 | 76 | 74 | 72,5 | 70 | 67,5 | 64 | 58 | 54 | 42,5 | 34 |
| 65-250-255 | 55 | V | 48 | or | 2,2 | 140 | 126 | | | | 88 | 87,5 | 86 | 85 | 83 | 81 | 80 | 77,5 | 74 | 71 | 67,5 | 62,5 | 57,5 | 52,5 |
| 65-250-NOA | 45 | V | 48 | or | 2,2 | 110 | 110 | | | 92 | 91,8 | 91 | 90 | 89 | 87 | 84,5 | 82,5 | 78 | 76,5 | 74 | 71 | 68 | 65,5 | |
| 65-250-264 | 55 | V | 65 | or | 2,2 | 150 | 126 | | | | 93 | 92,5 | 91 | 90 | 88 | 86 | 85 | 82,5 | 80 | 77,5 | 74 | 70 | 65 | 61 |
| 65-250-NO | 55 | V | 48 | or | 2,2 | 110 | 110 | | | 95 | 94,8 | 94 | 93 | 92 | 90 | 87,6 | 85 | 82 | 78,5 | 76 | | | | |

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 667 | 1000 | 1333 | 1500 | 1583 | 1667 | 2000 | 2167 | 2333 | 2500 | 2667 | 2833 | 3000 |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 40 | 60 | 80 | 90 | 95 | 100 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 65-315-RCD273 | 55 | V | 65 | vt | 1,5 | 100 | 120 | | | 100 | 98 | 96,5 | 96 | 95 | 90 | 87,5 | 85,5 | 84 | 83 | 79 | |
| 65-315-RBC282 | 75 | V | 65 | vt | 1,5 | 100 | 120 | H mt | 112 | 111 | 108,5 | 107,5 | 107 | 106 | 102,5 | 100 | 98 | 95,5 | 94 | 90,5 | 88 |
| 65-315-291 | 90 | V | 100 | vt | 1,5 | 130 | 165 | | | | 113 | 111 | 110,5 | 110 | 106 | 103 | 100 | 96 | 92 | 88 | 82 |
| 65-315-308 | 110 | I | 130,5 | vt | 1,5 | 140 | 180 | | | | 126 | 125 | 124 | 123 | 120 | 118 | 115 | 113 | 109 | 106 | 100 |

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 1333 | 1667 | 2000 | 2167 | 2333 | 2500 | 2833 | 3000 | 3167 | 3333 | 3500 | 3667 | 3833 | 4000 | 4167 | 4333 |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 80 | 100 | 120 | 130 | 140 | 150 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 |
| 80-200-195 | 30 | V | 33 | or | 1,1 | 190 | 204 | | | | 49 | 48 | 47 | 46 | 44 | 42,5 | 41,5 | 40 | 39 | 37,5 | 36 | 34 | 31 | 28 |
| 80-200-195 | 30 | P | 37,5 | or | 1,1 | 190 | 204 | | | | 49 | 48 | 47 | 46 | 44 | 42,5 | 41,5 | 40 | 39 | 37,5 | 36 | 34 | 31 | 28 |
| 80-200-205 | 37 | V | 48 | or | 1,1 | 200 | 204 | | | | 56 | 55 | 54 | 53 | 51 | 50 | 49 | 47,5 | 46 | 45 | 43,5 | 42 | 40 | 38 |
| 80-200-205 | 37 | P | 37,5 | or | 1,1 | 200 | 204 | | | | 56 | 55 | 54 | 53 | 51 | 50 | 49 | 47,5 | 46 | 45 | 43,5 | 42 | 40 | 38 |
| 80-200-214 | 45 | V | 48 | or | 2,2 | 220 | 204 | | | | 65,5 | 62 | 61 | 60 | 58 | 57 | 56 | 54 | 53 | 52 | 51 | 49 | 48 | 46 |
| 80-250-225 | 45 | V | 48 | or | 2,2 | 170 | 204 | H mt | | | | | 61 | 60 | 57 | 55 | 52 | 50 | 46 | 42 | 38 | 33 | 26 | |
| 80-250-235 | 55 | V | 48 | or | 2,2 | 180 | 200 | | | | | | 69 | 68 | 65 | 64 | 62 | 59 | 56 | 54 | 50 | 46 | 41 | 36 |
| 80-250-245 | 55 | V | 65 | or | 2,2 | 190 | 200 | | | | | | 77 | 76 | 74 | 72 | 70 | 68 | 65 | 63 | 61 | 57 | 53 | 48 |
| 80-250-255 | 75 | V | 65 | or | 2,2 | 200 | 200 | | | | | | 84 | 84 | 81 | 80 | 78 | 77 | 75 | 73 | 70 | 67 | 64 | 60,5 |
| 80-250-264 | 75 | V | 100 | or | 2,2 | 210 | 200 | | | | | | 90 | 90 | 88,5 | 88 | 86 | 85 | 83 | 81 | 79 | 76 | 73 | 70 |
| 80-250-A | 110 | V | 98 | or | 2,2 | 250 | 250 | | 102 | 102 | 102 | 101 | 101 | 99 | 98 | 98 | 97 | 96 | 95 | 95 | 94 | 92 | 92 | 90 |

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 2833 | 3000 | 3167 | 3333 | 3667 | 3833 | 4000 | 4167 | 4333 | 4500 | 4667 | 5000 | 5333 | 5667 | 6000 | |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 170 | 180 | 190 | 200 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 300 | 320 | 340 | 360 | |
| 100-200-195 | 37 | V | 48 | or | 1,1 | 260 | 276 | | 47,5 | 47 | 46 | 45 | 43,5 | 42 | 41 | 39,5 | 38,5 | 37 | 36 | 33,5 | 32 | 28 | 24 | |
| 100-200-195 | 37 | P | 37,5 | or | 1,1 | 260 | 276 | | 47,5 | 47 | 46 | 45 | 43,5 | 42 | 41 | 39,5 | 38,5 | 37 | 36 | 33,5 | 32 | 28 | 24 | |
| 100-200-205 | 55 | V | 48 | or | 1,1 | 280 | 282 | H mt | 55 | 54,5 | 54 | 53 | 51 | 50 | 48,5 | 47,5 | 46,5 | 45 | 44 | 41,5 | 38,5 | 36 | 32,5 | |
| 100-200-214 | 55 | V | 65 | or | 2,2 | 300 | 276 | | 60,5 | 60 | 59,5 | 59 | 57,5 | 56,5 | 55,5 | 54 | 53 | 52 | 51 | 48 | 46 | 43 | 40 | |

# PRESTAZIONI POMPE
# PUMPS PERFORMANCES

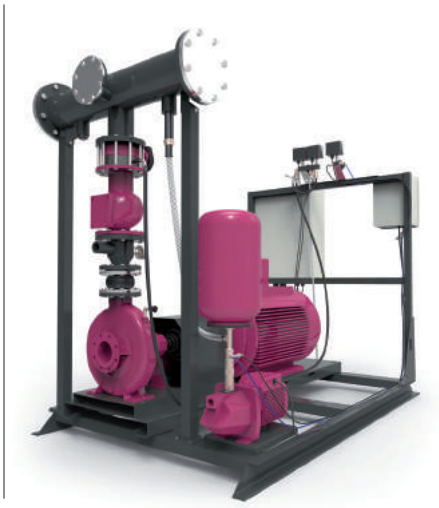
## **DATI TECNICI** TECHNICAL DATA

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 2500 | 2917 | 3333 | 3750 | 4167 | 4583 | 5000 | 5417 | 5833 | 6250 | 6667 | 7083 | 7917 | 8333 | 8750 | 9166 |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 475 | 500 | 525 | 550 |
| 100-250-225 | 75 | V | 65 | or | 2,2 | 275 | 300 | | | | 63 | 60 | 57 | 53 | 49 | 44 | 40 | 35 | 28 | | | | | | |
| 100-250-235 | 75 | V | 100 | or | 2,2 | 275 | 300 | | | | 71 | 67 | 65 | 61 | 57 | 53 | 48 | 44 | 38 | 30 | | | | | |
| 100-250-245 | 90 | V | 100 | or | 2,2 | 300 | 300 | | | | 79 | 76 | 73 | 69 | 65 | 61 | 57 | 53 | 47 | 41 | | | | | |
| 100-250-255 | 110 | V | 130,5 | or | 2,2 | 325 | 300 | | | | 87 | 84 | 81 | 78 | 74 | 71 | 65 | 61 | 56 | 50 | 45 | | | | |
| 100-250-264 | 132 | I | 130,5 | or | 2,2 | 325 | 300 | | | | 93 | 91 | 88 | 85 | 81 | 78 | 73 | 69 | 64 | 59 | 46 | | | | |
| 100-315-291 | 110 | I | 130,5 | vt | 1,5 | 250 | 300 | | | 112 | 110 | 105 | 101 | 91 | 86 | 78 | | | | | | | | | |
| 100-315-RBC292 | 132 | I | 130,5 | vt | 1,5 | 275 | 275 | | 109 | 108 | 107 | 105 | 103 | 101 | 98 | 95 | 92 | 89 | 85 | 81 | | | | | |
| 100-315-RBC296 | 160 | I | 178 | vt | 1,5 | 275 | 275 | | 112 | 112 | 110 | 108 | 106 | 104 | 101 | 98 | 95 | 91 | 87 | 83 | | | | | |
| 100-315-RBC308 | 160 | I | 178 | vt | 1,5 | 290 | 290 | | 120 | 120 | 120 | 120 | 119 | 118 | 115 | 115 | 110 | 105 | 100 | 95 | | | | | |
| 100-315-308 | 132 | I | 130,5 | vt | 1,5 | 250 | 300 | | | 129 | 126 | 122 | 118 | 112 | 106 | 98 | 88 | | | | | | | | |
| 125-200-205 | 75 | V | 65 | or | 1,1 | 375 | 350 | H mt | | | | | 48,5 | 48 | 47 | 45,5 | 44 | 42 | 40 | 38 | 32,5 | 30 | 27 | 23 | |
| 125-200-214 | 75 | V | 100 | or | 1,1 | 400 | 350 | | | | | | 54 | 53,5 | 52,5 | 51,5 | 49,5 | 48 | 47 | 44 | 39,5 | 36 | 34 | 30,5 | |
| 125-250-RC | 90 | V | 100 | or | 2,2 | 385 | 375 | | | | 63 | 62,5 | 62 | 61 | 60 | 58 | 57 | 56 | 54,5 | 53 | 59,4 | 50 | 43,9 | 40,6 | |
| 125-250-RB | 132 | I | 130,5 | or | 2,2 | 425 | 350 | | | | 77,5 | 76,9 | 76 | 75,5 | 74 | 73 | 71,5 | 71,3 | 70 | 68,6 | 65,5 | 63 | 61 | 58,6 | |
| 125-250-RAB | 160 | I | 178 | or | 2,2 | 425 | 350 | | | | 92,1 | 91,5 | 91 | 90 | 89,8 | 89,5 | 88 | 87,2 | 86,3 | 85,3 | 82,2 | 80 | 78,8 | 76,6 | |
| 125-250-250 | 132 | I | 130,5 | vt | 1,1 | 375 | 420 | | | | | | 78 | 78 | 76 | 74 | 73 | 70 | 67 | 64 | 58 | 55 | | | |
| 125-250-264 | 132 | I | 130,5 | vt | 1,1 | 400 | 420 | | | | | | 90 | 89 | 88 | 87 | 85 | 83 | 80 | 78 | 72 | 68 | | | |
| 125-315-RBC287 | 160 | I | 178 | vt | 1,5 | 325 | 325 | | | | 100 | 99,5 | 98 | 97 | 95 | 94 | 91 | 89 | 85 | 79 | 66 | 64 | | | |
| 125-315-RCD295 | 160 | I | 178 | vt | 1,5 | 350 | 350 | | 111 | 110 | 105 | 106 | 106 | 105 | 101 | 100 | 95 | 94 | 86 | 85 | 75 | 70 | | | |
| 125-250-278 | 160 | I | 178 | vt | 1,5 | 475 | 420 | | | | | | 101 | 101 | 100 | 99 | 98 | 97 | 95 | 93 | 88 | 85 | 80 | 75 | |
| 125-315-RBC302 | 200 | I | 178 | vt | 1,5 | 325 | 325 | | | | 122 | 120 | 119 | 118,5 | 118 | 117,5 | 110 | 108 | 105 | 102 | 93 | 88 | | | |

| PUMP MODEL | engine power | | | | | limit HHS HHP | limit NPSH 5m | portata | hydraulic performance | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | jockey | | | | l/min | 3333 | 4167 | 5000 | 5833 | 6667 | 7500 | 8333 | 9167 | 10000 | 10833 | 11667 | 12500 |
| | kW | type | kW NA | type | kW | mc/h | mc/h | mc/h | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 |
| 150-315-RC257 | 160 | I | 178 | vt | 1,1 | 450 | 575 | | | | 69 | 66 | 64 | 60 | 57,5 | 53 | 47,5 | 41 | 35 | 30 |
| 150-315-RC266 | 160 | I | 178 | vt | 1,1 | 525 | 525 | | | | 84 | 80,5 | 79 | 75 | 71 | 67,5 | 64 | 57 | 51 | |
| 150-315-RCD280 | 200 | I | 200 | vt | 1,1 | 500 | 580 | | 96,5 | 95 | 94 | 92 | 89 | 87 | 83,5 | 80 | 74 | 70 | 75,5 | 54 |
| 150-315-RC290 | 250 | I | 227 | vt | 1,5 | 475 | 475 | H mt | 107,5 | 107,4 | 107 | 105 | 103 | 101 | 97 | 93 | 90 | 85 | 80 | 75 |
| 150-315-RBC284 | 200 | I | 200 | vt | 1,1 | 500 | 625 | | | 95 | 95 | 94 | 93 | 92 | 90 | 87 | 84 | 79,5 | 74,5 | 65 |
| 150-315-RBC290 | 250 | I | 227 | vt | 1,5 | 525 | 700 | | | 101 | 101 | 100 | 99 | 97 | 95 | 92,5 | 89 | 85 | 79 | 71 |
| 150-315-RAB310 | 315 | I | 282 | vt | 1,5 | 525 | 525 | | 122 | 120 | 118 | 116,5 | 115 | 113 | 109 | 106,5 | 104 | 100 | 95 | 88 |
| 150-315-RAB315 | 315 | I | 282 | vt | 1,5 | 550 | 675 | | | | 129 | 124 | 125 | 122 | 120 | 118 | 114 | 109 | 104 | 99 |

# IDROFIRE **BG P1E**

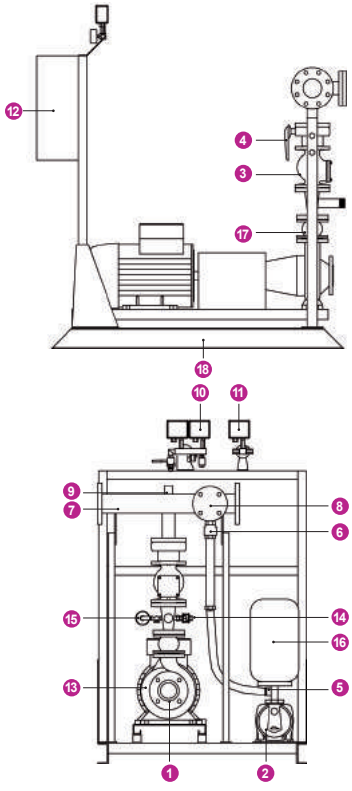
## N.1 ELETTROPOMPA DI SERVIZIO + PILOTA
## NR.1 MAIN ELECTRIC PUMP + JOCKEY PUMP



## ELENCO COMPONENTI
## COMPONENT LIST

1. Elettropompa di servizio accoppiata mediante giunto spaziatore completo di protezione coprigiunto
2. Elettropompa pilota
3. Valvola di ritegno a clapet
4. Valvola di intercettazione lucchettabile
5. Valvola di ritegno
6. Valvola di intercettazione a sfera con leva
7. Collettore di mandata reversibile completo di flangia cieca
8. Derivazione per collettore di prova di portata
9. Predisposizione per kit sprinkler
10. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
11. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
12. Quadri elettrici di comando (uno per ogni pompa)
13. Mano-vuotometro con porta-manometro e rubinetto provvisto di flangia per controllo
14. Kit diaframma di ricircolo completo di indicatore visivo di flusso
15. Manometro 0-16 bar
16. Serbatoio Autoclave 24 lt PN16
17. Giunto di compensazione in gomma
18. Telaio

1. Main electric pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
2. Jockey electric pump
3. Swing Check Valve (“Clapet” Valve)
4. Shut-off valve lockable
5. Check valve
6. Ball valve with level
7. Reversible delivery manifold with blind flange
8. Shunt for flow meter
9. Predisposition for sprinkler kit
10. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button,1 pressure gauge 0-16 bar and by-pass circuit
11. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
12. Electrical control panels (one for each pump)
13. Vacuum gauge with gauge holder and cock fitted with flange for control
14. Kit recycling diaphragm complete with visual flow indicator
15. Pressure gauge 0-16 bar
16. Diaphragm pressure vessel 24LT PN16
17. Rubber strain neutralizer
18. Frame



# IDROFIRE BG P1E

## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **MOTORE ELETTRICO** | | **ELETTROPOMPA PILOTA** | | **KIT FLUSSIMETRO** | **KIT ASP. SOTTOBATTENTE** pompa principale \| pompa pilota | | **KIT ASP. SOPRABATTENTE** pompa principale |
|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | ELECTRIC ENGINE | | JOCKEY PUMP | | FLOW METER KIT | POSITIVE HEAD KIT main pump \| jockey pump | | SUCTION LIFT KIT main pump |
| BG P1E | mod. | kW | mod. | kW | mod. | mod. | DN | mod. |
| EN BG P1E 32-200-NC ES+J15 | 112MA | 4 | J15 | 1,1 | CM50-V50 | P50-S65 | 1" | 50x80 |
| EN BG P1E 32-200-NB ES+J15 | 132SA | 5,5 | J15 | 1,1 | CM50-V50 | P50-S65 | 1" | 50x80 |
| EN BG P1E 32-200-NA ES+J15 | 132SB | 7,5 | J15 | 1,1 | CM50-V50 | P50-S80 | 1" | 50x80 |
| EN BG P1E 32-250-E ES+J3A | 160MA | 11 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1E 32-250-225 EC+J15 | 160MB | 15 | J15 | 1,1 | CM50-V50 | P50-S80 | 1" | 50x100 |
| EN BG P1E 32-250-235 EC+J3A | 160MB | 15 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1E 32-250-245 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1E 32-250-B ES+J3A | 180M | 22 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼" | 50x100 |
| EN BG P1E 32-250-255 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1E 32-250-264 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1E 32-250-A ES+J3A | 180M | 22 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼" | 50x100 |
| EN BG P1E 40-200-185 EC+J15 | 132SB | 7,5 | J15 | 1,1 | CM50-V50 | P65-S80 | 1" | 65x100 |
| EN BG P1E 40-200-195 EC+J15 | 132M | 9 | J15 | 1,1 | CM50-V50 | P65-S80 | 1" | 65x100 |
| EN BG P1E 40-200-205 EC+J15 | 160MA | 11 | J15 | 1,1 | CM50-V50 | P65-S100 | 1" | 65x100 |
| EN BG P1E 40-200-214 EC+J15 | 160MA | 11 | J15 | 1,1 | CM50-V50 | P65-S100 | 1" | 65x100 |
| EN BG P1E 40-200-NA ES+J3A | 160MA | 11 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x100 |
| EN BG P1E 40-250-225 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65-V50 | P65-S100 | 1" | 65x125 |
| EN BG P1E 40-250-235 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1E 40-250-245 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1E 40-250-255 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1E 40-250-264 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1E 40-315-RB300 ES+V18 | 225M | 45 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½" | 65x125 |
| EN BG P1E 40-315-RAB308 ES+V18 | 225M | 45 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½" | 65x125 |
| EN BG P1E 40-315-RAB315 ES+V18 | 250M | 55 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½" | 65x125 |
| EN BG P1E 50-160-174 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65 - V50 | P65-S150 | 1" | 65x150 |
| EN BG P1E 50-200-185 EC+J15 | 160MA | 11 | J15 | 1,1 | CM65-V50 | P65-S125 | 1" | 65x125 |
| EN BG P1E 50-200-195 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65-V50 | P65-S125 | 1" | 65x125 |
| EN BG P1E 50-200-C ES+J15 | 160MA | 11 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1" | 65x125 |
| EN BG P1E 50-200-B ES+J15 | 160MA | 11 | J15 | 1,1 | CM65 - V50 | P65-S100 | 1" | 65x125 |
| EN BG P1E 50-200-205 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65-V50 | P65-S125 | 1" | 65x125 |
| EN BG P1E 50-200-A ES+J3A | 160MB | 15 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1E 50-200-214 EC+J15 | 160L | 18,5 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1" | 65x125 |
| EN BG P1E 50-200-NB ES+J15 | 160L | 18,5 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1" | 65x150 |
| EN BG P1E 50-200-NA ES+J3A | 180M | 22 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼" | 65x150 |
| EN BG P1E 50-250-225 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1E 50-250-235 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1E 50-250-245 EC+J3A | 200LA | 30 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1E 50-250-255 EC+J3A | 200LA | 30 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1E 50-250-264 EC+J3A | 200LA | 30 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1E 50-250-NA ES+J3A | 200LB | 37 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼" | 65x150 |
| EN BG P1E 50-315-274 EC+V12 | 225M | 45 | V12 | 1,5 | CM65-V50 | P80-S125 | 1½" | 80x125 |
| EN BG P1E 50-315-291 EC+V18 | 250M | 55 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½" | 80x125 |
| EN BG P1E 50-315-308 EC+V18 | 280S | 75 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½" | 80x125 |
| EN BG P1E 65-200-185 EC+J15 | 180M | 22 | J15 | 1,1 | CM100-V80 | P80-S200 | 1" | 80x200 |
| EN BG P1E 65-200-NA ES+J3A | 200LA | 30 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1E 65-200-195 EC+J15 | 200LA | 30 | J15 | 1,1 | CM100-V80 | P80-S200 | 1" | 80x200 |
| EN BG P1E 65-200-205 EC+J15 | 200LA | 30 | J15 | 1,1 | CM100-V80 | P80-S200 | 1" | 80x200 |
| EN BG P1E 65-200-214 EC+J3A | 200LB | 37 | J3A | 2,2 | CM100-V100 | P80-S200 | 1¼" | 80x200 |
| EN BG P1E 65-250-225 EC+J3A | 200LB | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1E 65-250-NB ES+J3A | 200LB | 37 | J3A | 2,2 | CM80-V80 | P80-S150 | 1¼" | 80x150 |
| EN BG P1E 65-250-235 EC+J3A | 200LB | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |

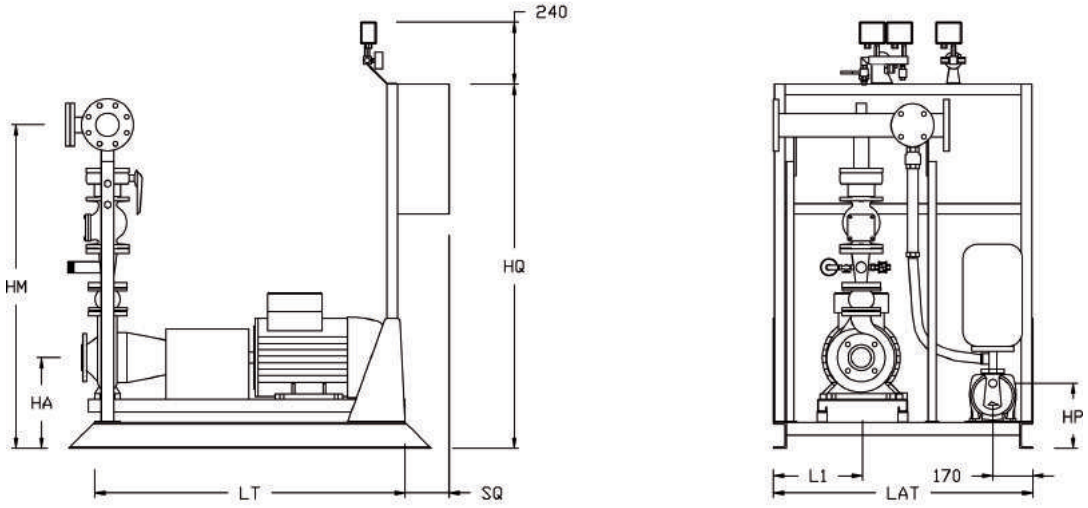
# IDROFIRE BG P1E

## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **MOTORE ELETTRICO** | | **ELETTROPOMPA PILOTA** | | **KIT FLUSSIMETRO** | **KIT ASP. SOTTOBATTENTE** pompa principale \| pompa pilota | | **KIT ASP. SOPRABATTENTE** pompa principale |
|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | ELECTRIC ENGINE | | JOCKEY PUMP | | FLOW METER KIT | POSITIVE HEAD KIT main pump \| jockey pump | | SUCTION LIFT KIT main pump |
| BG P1E | mod. | kW | mod. | kW | mod. | mod. | DN | mod. |
| EN BG P1E 65-250-245 EC+J3A | 225M | 45 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1E 65-250-255 EC+J3A | 250M | 55 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1E 65-250-N0A ES+J3A | 225M | 45 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1E 65-250-264 EC+J3A | 250M | 55 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1E 65-250-N0 ES+J3A | 250M | 55 | J3A | 2,2 | CM100-V80 | P80-S150 | 1¼" | 80x200 |
| EN BG P1E 65-315-RCD273 ES+V12 | 250M | 55 | V12 | 1,5 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1E 65-315-RBC282 ES+V18 | 280S | 75 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1E 65-315-291 EC+V18 | 280M | 90 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1E 65-315-308 EC+V18 | 315S | 110 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1E 80-200-195 EC+J15 | 200LA | 30 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P1E 80-200-205 EC+J15 | 200LB | 37 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P1E 80-200-214 EC+J3A | 225M | 45 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG P1E 80-250-225 EC+J3A | 225M | 45 | J3A | 2,2 | CM100-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P1E 80-250-235 EC+J3A | 250M | 55 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P1E 80-250-245 EC+J3A | 250M | 55 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG P1E 80-250-255 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG P1E 80-250-264 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG P1E 80-250-A ES+J3A | 315S | 110 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P1E 100-200-195 EC+J15 | 200LB | 37 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG P1E 100-200-205 EC+J15 | 250M | 55 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG P1E 100-200-214 EC+J3A | 250M | 55 | J3A | 2,2 | CM125-V125 | P125-S250 | 1¼" | 125x300 |
| EN BG P1E 100-250-225 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P1E 100-250-235 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P1E 100-250-245 EC+J3A | 280M | 90 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P1E 100-250-255 EC+J3A | 315S | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG P1E 100-250-264 EC+J3A | 315MA | 132 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG P1E 100-315-291 EC+V18 | 315S | 110 | V18 | 2,2 | CM125-V125 | P150-S250 | 1½" | 150x250 |
| EN BG P1E 100-315-RBC292 ES+V18 | 315MA | 132 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P1E 100-315-RBC296 ES+V18 | 315MB | 160 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P1E 100-315-RBC308 ES+V18 | 315MB | 160 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P1E 100-315-308 EC+V18 | 315MA | 132 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x300 |
| EN BG P1E 125-200-205 EC+J15 | 280S | 75 | J15 | 1,1 | CM200-V200 | P150-S300 | 1" | 150x350 |
| EN BG P1E 125-200-214 EC+J15 | 280S | 75 | J15 | 1,1 | CM200-V200 | P150-S350 | 1" | 150x350 |
| EN BG P1E 125-250-RC ES+J3A | 280M | 90 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 150x350 |
| EN BG P1E 125-250-RB ES+J3A | 315MA | 132 | J3A | 2,2 | CM150-V125 | P150-S300 | 1¼" | 150x350 |
| EN BG P1E 125-250-RAB ES+J3A | 315MB | 160 | J3A | 2,2 | CM150-V125 | P150-S350 | 1¼" | 150x350 |
| EN BG P1E 125-250-250 EC+V12 | 315MA | 132 | V12 | 1,5 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG P1E 125-250-264 EC+V12 | 315MA | 132 | V12 | 1,5 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG P1E 125-315-RBC287 ES+V12 | 315MB | 160 | V12 | 1,5 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P1E 125-315-RCD295 ES+V18 | 315MB | 160 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P1E 125-250-278 EC+V18 | 315MB | 160 | V18 | 2,2 | CM200-V200 | P150-S350 | 1½" | 150x400 |
| EN BG P1E 125-315-RBC302 ES+V18 | 315L | 200 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P1E 150-315-RC257 ES+V12 | 315MB | 160 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG P1E 150-315-RC266 ES+V12 | 315MB | 160 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG P1E 150-315-RCD280 ES+V12 | 315L | 200 | V12 | 1,5 | CM200-V200 | P200-S300 | 1½" | 200x350 |
| EN BG P1E 150-315-RC290 ES+V18 | 355MB | 250 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1E 150-315-RBC284 ES+V18 | 315L | 200 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1E 150-315-RBC290 ES+V18 | 355MB | 250 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1E 150-315-RAB310 ES+V18 | 355LB | 315 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1E 150-315-RAB315 ES+V18 | 355LB | 315 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |

# IDROFIRE BG P1E

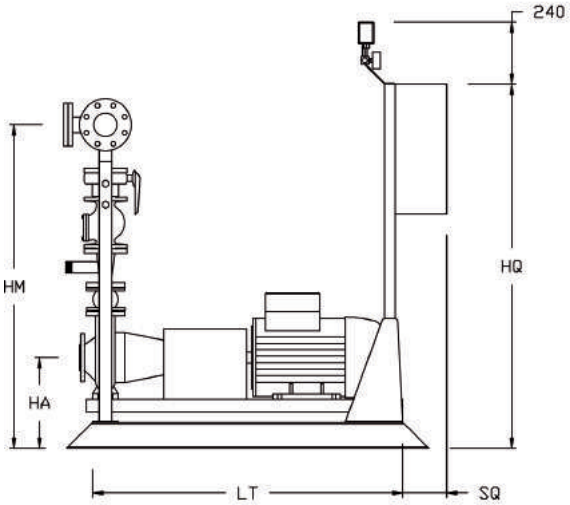
## **DIMENSIONI** DIMENSIONS

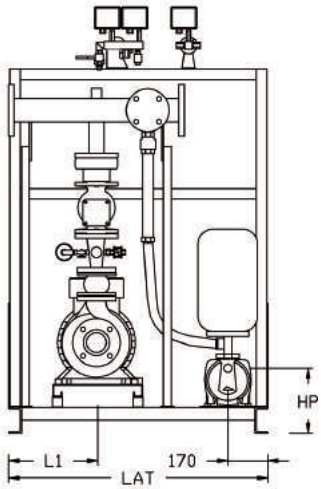



| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kit valvole | collettore | STB | STB | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | |
| BG P1E | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P1E 32-200-NC ES+J15 | 40 | DN80-F50 | 65 | 80 | 1" x 1" | 370 | 1243 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 32-200-NB ES+J15 | 40 | DN80-F50 | 65 | 80 | 1" x 1" | 370 | 1243 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 32-200-NA ES+J15 | 40 | DN80-F50 | 80 | 80 | 1" x 1" | 370 | 1243 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 32-250-E ES+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 32-250-225 EC+J15 | 40 | DN80-F50 | 80 | 100 | 1" x 1" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 32-250-235 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 32-250-245 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 32-250-B ES+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" x 1¼" | 390 | 1338 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 32-250-255 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 32-250-264 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 32-250-A ES+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" x 1¼" | 434 | 1382 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 40-200-185 EC+J15 | 50 | DN80-F50 | 80 | 100 | 1" x 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 40-200-195 EC+J15 | 50 | DN80-F50 | 80 | 100 | 1" x 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 40-200-205 EC+J15 | 50 | DN80-F50 | 100 | 100 | 1" x 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 40-200-214 EC+J15 | 50 | DN80-F50 | 100 | 100 | 1" x 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 40-200-NA ES+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" x 1¼" | 395 | 1298 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 40-250-225 EC+J15 | 50 | DN80-F50 | 100 | 125 | 1" x 1" | 390 | 1338 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 40-250-235 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 390 | 1338 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 40-250-245 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 390 | 1338 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 40-250-255 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 390 | 1338 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 40-250-264 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 434 | 1382 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 40-315-RB300 ES+V18 | 65 | DN80-F50 | 100 | 125 | 25 x 25 | 445 | 1461 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1E 40-315-RAB308 ES+V18 | 65 | DN80-F50 | 100 | 125 | 25 x 25 | 445 | 1461 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1E 40-315-RAB315 ES+V18 | 65 | DN80-F50 | 100 | 125 | 25 x 25 | 445 | 1461 | 1200 | 1800 | 450 | 1400 | 200 | 181 |
| EN BG P1E 50-160-174 EC+J15 | 65 | DN80-F50 | 150 | 150 | 1" x 1" | 395 | 1351 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-185 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 370 | 1346 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-195 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 395 | 1371 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-C ES+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 370 | 1346 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-B ES+J15 | 65 | DN80-F50 | 100 | 125 | 1" x 1" | 395 | 1371 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-205 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 388 | 1364 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-A ES+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 395 | 1371 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 50-200-214 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 388 | 1364 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-NB ES+J15 | 65 | DN80-F50 | 125 | 150 | 1" x 1" | 380 | 1356 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1E 50-200-NA ES+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" x 1¼" | 434 | 1410 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 50-250-225 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 390 | 1391 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1E 50-250-235 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 434 | 1435 | 1000 | 1300 | 350 | 1400 | 200 | 295 |

# IDROFIRE BG P1E

## **DIMENSIONI** DIMENSIONS

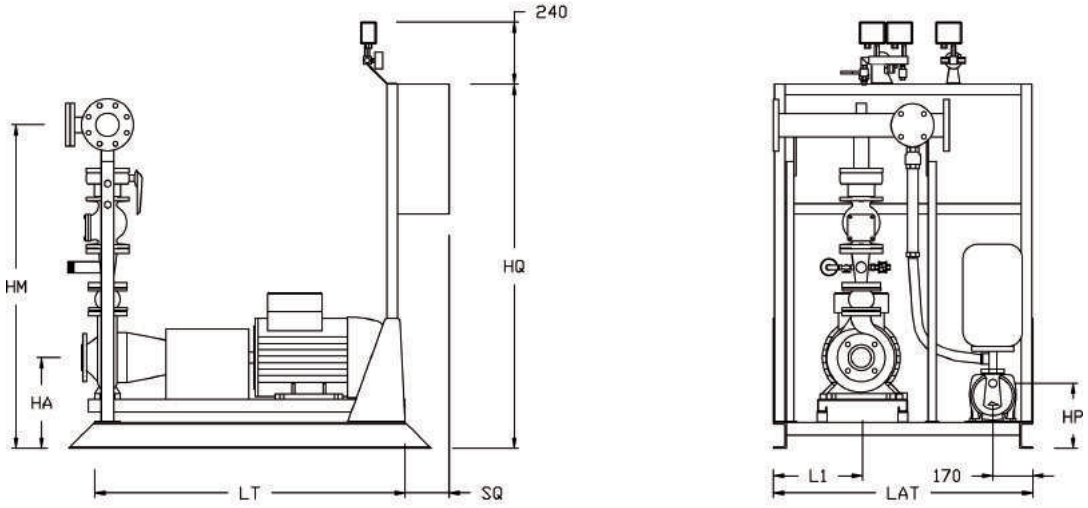



| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kit valvole | collettore | STB | STB | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | |
| BG P1E | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P1E 50-250-245 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 434 | 1435 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 50-250-255 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 400 | 1401 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 50-250-264 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 400 | 1401 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 50-250-NA ES+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" x 1¼" | 400 | 1401 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 50-315-274 EC+V12 | 65 | DN80-F50 | 125 | 125 | 25 x 25 | 445 | 1501 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1E 50-315-291 EC+V18 | 65 | DN80-F50 | 125 | 125 | 25 x 25 | 445 | 1501 | 1200 | 1800 | 450 | 1400 | 200 | 181 |
| EN BG P1E 50-315-308 EC+V18 | 65 | DN80-F50 | 125 | 125 | 25 x 25 | 450 | 1506 | 1200 | 1800 | 450 | 1400 | 300 | 181 |
| EN BG P1E 65-200-185 EC+J15 | 100 | DN125-F80 | 200 | 200 | 1" x 1" | 390 | 1512 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1E 65-200-NA ES+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 400 | 1522 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 65-200-195 EC+J15 | 100 | DN125-F80 | 200 | 200 | 1" x 1" | 434 | 1556 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1E 65-200-205 EC+J15 | 100 | DN125-F80 | 200 | 200 | 1" x 1" | 400 | 1522 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1E 65-200-214 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 400 | 1522 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 65-250-225 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 65-250-NB ES+J3A | 80 | DN100-F80 | 150 | 150 | 1¼" x 1¼" | 420 | 1488 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 65-250-235 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1E 65-250-245 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1E 65-250-255 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1E 65-250-NOA ES+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1E 65-250-264 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1E 65-250-NO ES+J3A | 100 | DN125-F80 | 150 | 200 | 1¼" x 1¼" | 420 | 1567 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1E 65-315-RCD273 ES+V12 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 445 | 1622 | 1200 | 1800 | 450 | 1400 | 200 | 181 |
| EN BG P1E 65-315-RBC282 ES+V18 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 450 | 1627 | 1200 | 1800 | 450 | 1400 | 300 | 181 |
| EN BG P1E 65-315-291 EC+V18 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 450 | 1627 | 1400 | 2000 | 550 | 1400 | 300 | 181 |
| EN BG P1E 65-315-308 EC+V18 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 555 | 1732 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 80-200-195 EC+J15 | 125 | DN150-F100 | 250 | 250 | 1" x 1" | 400 | 1630 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1E 80-200-205 EC+J15 | 125 | DN150-F100 | 250 | 250 | 1" x 1" | 400 | 1630 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1E 80-200-214 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 400 | 1630 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1E 80-250-225 EC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" x 1¼" | 420 | 1680 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1E 80-250-235 EC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" x 1¼" | 420 | 1680 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1E 80-250-245 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 420 | 1680 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1E 80-250-255 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 450 | 1710 | 1200 | 1800 | 450 | 1400 | 300 | 295 |
| EN BG P1E 80-250-264 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 450 | 1710 | 1200 | 1800 | 450 | 1400 | 300 | 295 |
| EN BG P1E 80-250-A ES+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" x 1¼" | 555 | 1815 | 1400 | 2300 | 550 | 1400 | 300 | 295 |
| EN BG P1E 100-200-195 EC+J15 | 150 | DN200-F125 | 250 | 300 | 1" x 1" | 420 | 1761 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1E 100-200-205 EC+J15 | 150 | DN200-F125 | 250 | 300 | 1" x 1" | 420 | 1761 | 1200 | 1800 | 450 | 1400 | 200 | 277 |
| EN BG P1E 100-200-214 EC+J3A | 150 | DN200-F125 | 250 | 300 | 1¼" x 1¼" | 420 | 1761 | 1200 | 1800 | 450 | 1400 | 200 | 295 |

# IDROFIRE BG P1E

## **DIMENSIONI** DIMENSIONS




| **MODELLO GRUPPO** | **MANDATA** kit valvole | collettore | **ASPIRAZIONE** STB | STB | **PILOTA** | **HA** | **HM** | **LAT** | **LT** | **L1** | **HQ** | **SQ** | **HP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | SUCTION posit. head | posit. head | JOCKEY PUMP | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
| BG P1E | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P1E 100-250-225 EC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" x 1¼" | 450 | 1791 | 1200 | 1800 | 450 | 1400 | 300 | 295 |
| EN BG P1E 100-250-235 EC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" x 1¼" | 450 | 1791 | 1200 | 1800 | 450 | 1400 | 300 | 295 |
| EN BG P1E 100-250-245 EC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" x 1¼" | 450 | 1791 | 1400 | 2000 | 550 | 1400 | 300 | 295 |
| EN BG P1E 100-250-255 EC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 555 | 1896 | 1400 | 2300 | 550 | 1400 | 300 | 295 |
| EN BG P1E 100-250-264 EC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 555 | 1896 | 1400 | 2300 | 550 | 1400 | 300 | 295 |
| EN BG P1E 100-315-291 EC+V18 | 150 | DN200-F125 | 250 | 250 | 25 x 25 | 555 | 1931 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 100-315-RBC292 ES+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 555 | 1931 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 100-315-RBC296 ES+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 575 | 1951 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 100-315-RBC308 ES+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 575 | 1951 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 100-315-308 EC+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 555 | 1931 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 125-200-205 EC+J15 | 150 | DN200-F125 | 300 | 350 | 1" x 1" | 470 | 1881 | 1200 | 1800 | 450 | 1400 | 300 | 277 |
| EN BG P1E 125-200-214 EC+J15 | 150 | DN200-F125 | 350 | 350 | 1" x 1" | 470 | 1881 | 1200 | 1800 | 450 | 1400 | 300 | 277 |
| EN BG P1E 125-250-RC ES+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 470 | 1921 | 1400 | 2000 | 550 | 1400 | 300 | 295 |
| EN BG P1E 125-250-RB ES+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 555 | 2006 | 1400 | 2300 | 550 | 1400 | 300 | 295 |
| EN BG P1E 125-250-RAB ES+J3A | 150 | DN200-F125 | 350 | 350 | 1¼" x 1¼" | 575 | 2026 | 1400 | 2300 | 550 | 1400 | 300 | 295 |
| EN BG P1E 125-250-250 EC+V12 | 150 | DN200-F125 | 300 | 350 | 25 x 25 | 555 | 2006 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 125-250-264 EC+V12 | 150 | DN200-F125 | 300 | 350 | 25 x 25 | 555 | 2006 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 125-315-RBC287 ES+V12 | 150 | DN200-F125 | 250 | 350 | 25 x 25 | 585 | 2036 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 125-315-RCD295 ES+V18 | 150 | DN200-F125 | 250 | 350 | 25 x 25 | 595 | 2046 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 125-250-278 EC+V18 | 150 | DN200-F125 | 350 | 400 | 25 x 25 | 575 | 2026 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 125-315-RBC302 ES+V18 | 150 | DN200-F125 | 300 | 350 | 25 x 25 | 595 | 2046 | 1400 | 2300 | 550 | 1400 | 370 | 181 |
| EN BG P1E 150-315-RC257 ES+V12 | 200 | DN250-F200 | 400 | 400 | 25 x 25 | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 150-315-RC266 ES+V12 | 200 | DN250-F200 | 400 | 400 | 25 x 25 | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 300 | 181 |
| EN BG P1E 150-315-RCD280 ES+V12 | 200 | DN250-F200 | 300 | 350 | 25 x 25 | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 370 | 181 |
| EN BG P1E 150-315-RC290 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 1600 | 2500 | 650 | 1400 | 370 | 181 |
| EN BG P1E 150-315-RBC284 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 370 | 181 |
| EN BG P1E 150-315-RBC290 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 1600 | 2500 | 650 | 1400 | 370 | 181 |
| EN BG P1E 150-315-RAB310 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 1600 | 2500 | 650 | 1400 | 370 | 181 |
| EN BG P1E 150-315-RAB315 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 1600 | 2500 | 650 | 1400 | 370 | 181 |

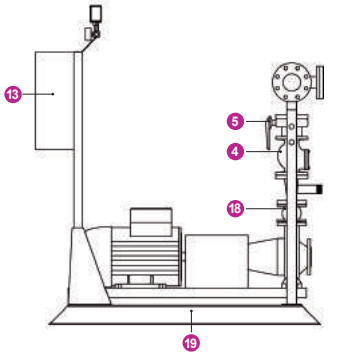
# IDROFIRE **BG P2E**

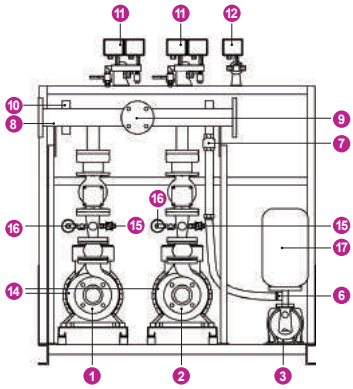
## N.1 ELETTROPOMPA DI SERVIZIO + N.1 ELETTROPOMPA DI RISERVA + PILOTA
## NR.1 MAIN ELECTRIC PUMP + NR.1 BACKUP ELECTRIC PUMP + JOCKEY PUMP

## ELENCO COMPONENTI
## COMPONENT LIST

1. Elettropompa di servizio accoppiata mediante giunto spaziatore completo di protezione coprigiunto
2. Elettropompa di riserva accoppiata mediante giunto spaziatore completo di protezione coprigiunto
3. Elettropompa pilota
4. Valvola di ritegno a clapet
5. Valvola di intercettazione lucchettabile
6. Valvola di ritegno
7. Valvola di intercettazione a sfera con leva
8. Collettore di mandata reversibile completo di flangia cieca
9. Derivazione per collettore di prova di portata
10. Predisposizione per kit sprinkler
11. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
12. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro;
13. Quadri elettrici di comando (uno per ogni pompa)
14. Mano-vuotometro con porta-manometro e rubinetto provvisto di flangia per controllo
15. Kit diaframma di ricircolo completo di indicatore visivo di flusso
16. Manometro 0-16 bar
17. Serbatoio Autoclave 24 lt PN16
18. Giunto di compensazione in gomma
19. Telaio

1. Main electric pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
2. Backup electric pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
3. Jockey electric pump
4. Swing Check Valve (“Clapet” Valve)
5. Shut-off valve lockable
6. Check valve
7. Ball valve with level
8. Reversible delivery manifold with blind flange
9. Shunt for flow meter
10. Predisposition for sprinkler kit
11. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
12. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
13. Electrical control panels (one for each pump)
14. Vacuum gauge with gauge holder and cock fitted with flange for control
15. Kit recycling diaphragm complete with visual flow indicator
16. Pressure gauge 0-16 bar
17. Diaphragm pressure vessel 24LT PN16
18. Rubber strain neutralizer
19. Frame



# IDROFIRE BG P2E

## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **MOTORE ELETTRICO** | | **ELETTROPOMPA PILOTA** | | **KIT FLUSSIMETRO** | **KIT ASP. SOTTOBATTENTE** pompa principale \| pompa pilota | | **KIT ASP. SOPRABATTENTE** pompa principale |
|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | ELECTRIC ENGINE | | JOCKEY PUMP | | FLOW METER KIT | POSITIVE HEAD KIT main pump \| jockey pump | | SUCTION LIFT KIT main pump |
| BG P2E | mod. | kW | mod. | kW | mod. | mod. | DN | mod. |
| EN BG P2E 32-200-NC ES+J15 | 112MA | 4 | J15 | 1,1 | CM50-V50 | P50-S65 | 1” | 50x80 |
| EN BG P2E 32-200-NB ES+J15 | 132SA | 5,5 | J15 | 1,1 | CM50-V50 | P50-S65 | 1” | 50x80 |
| EN BG P2E 32-200-NA ES+J15 | 132SB | 7,5 | J15 | 1,1 | CM50-V50 | P50-S80 | 1” | 50x80 |
| EN BG P2E 32-250-E ES+J3A | 160MA | 11 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG P2E 32-250-225 EC+J15 | 160MB | 15 | J15 | 1,1 | CM50-V50 | P50-S80 | 1” | 50x100 |
| EN BG P2E 32-250-235 EC+J3A | 160MB | 15 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG P2E 32-250-245 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG P2E 32-250-B ES+J3A | 180M | 22 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼” | 50x100 |
| EN BG P2E 32-250-255 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG P2E 32-250-264 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG P2E 32-250-A ES+J3A | 180M | 22 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼” | 50x100 |
| EN BG P2E 40-200-185 EC+J15 | 132SB | 7,5 | J15 | 1,1 | CM50-V50 | P65-S80 | 1” | 65x100 |
| EN BG P2E 40-200-195 EC+J15 | 132M | 9 | J15 | 1,1 | CM50-V50 | P65-S80 | 1” | 65x100 |
| EN BG P2E 40-200-205 EC+J15 | 160MA | 11 | J15 | 1,1 | CM50-V50 | P65-S100 | 1” | 65x100 |
| EN BG P2E 40-200-214 EC+J15 | 160MA | 11 | J15 | 1,1 | CM50-V50 | P65-S100 | 1” | 65x100 |
| EN BG P2E 40-200-NA ES+J3A | 160MA | 11 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x100 |
| EN BG P2E 40-250-225 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65-V50 | P65-S100 | 1” | 65x125 |
| EN BG P2E 40-250-235 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG P2E 40-250-245 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG P2E 40-250-255 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG P2E 40-250-264 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG P2E 40-315-RB300 ES+V18 | 225M | 45 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½” | 65x125 |
| EN BG P2E 40-315-RAB308 ES+V18 | 225M | 45 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½” | 65x125 |
| EN BG P2E 40-315-RAB315 ES+V18 | 250M | 55 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½” | 65x125 |
| EN BG P2E 50-160-174 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65 - V50 | P65-S150 | 1” | 65x150 |
| EN BG P2E 50-200-185 EC+J15 | 160MA | 11 | J15 | 1,1 | CM65-V50 | P65-S125 | 1” | 65x125 |
| EN BG P2E 50-200-195 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65-V50 | P65-S125 | 1” | 65x125 |
| EN BG P2E 50-200-C ES+J15 | 160MA | 11 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1” | 65x125 |
| EN BG P2E 50-200-B ES+J15 | 160MA | 11 | J15 | 1,1 | CM65 - V50 | P65-S100 | 1” | 65x125 |
| EN BG P2E 50-200-205 EC+J15 | 160MB | 15 | J15 | 1,1 | CM65-V50 | P65-S125 | 1” | 65x125 |
| EN BG P2E 50-200-A ES+J3A | 160MB | 15 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼” | 65x125 |
| EN BG P2E 50-200-214 EC+J15 | 160L | 18,5 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1” | 65x125 |
| EN BG P2E 50-200-NB ES+J15 | 160L | 18,5 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1” | 65x150 |
| EN BG P2E 50-200-NA ES+J3A | 180M | 22 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼” | 65x150 |
| EN BG P2E 50-250-225 EC+J3A | 160L | 18,5 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼” | 65x125 |
| EN BG P2E 50-250-235 EC+J3A | 180M | 22 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼” | 65x125 |
| EN BG P2E 50-250-245 EC+J3A | 200LA | 30 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG P2E 50-250-255 EC+J3A | 200LA | 30 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG P2E 50-250-264 EC+J3A | 200LA | 30 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG P2E 50-250-NA ES+J3A | 200LB | 37 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼” | 65x150 |
| EN BG P2E 50-315-274 EC+V12 | 225M | 45 | V12 | 1,5 | CM65-V50 | P80-S125 | 1½” | 80x125 |
| EN BG P2E 50-315-291 EC+V18 | 250M | 55 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½” | 80x125 |
| EN BG P2E 50-315-308 EC+V18 | 280S | 75 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½” | 80x125 |
| EN BG P2E 65-200-185 EC+J15 | 180M | 22 | J15 | 1,1 | CM100-V80 | P80-S200 | 1” | 80x200 |
| EN BG P2E 65-200-NA ES+J3A | 200LA | 30 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼” | 80x200 |
| EN BG P2E 65-200-195 EC+J15 | 200LA | 30 | J15 | 1,1 | CM100-V80 | P80-S200 | 1” | 80x200 |
| EN BG P2E 65-200-205 EC+J15 | 200LA | 30 | J15 | 1,1 | CM100-V80 | P80-S200 | 1” | 80x200 |
| EN BG P2E 65-200-214 EC+J3A | 200LB | 37 | J3A | 2,2 | CM100-V100 | P80-S200 | 1¼” | 80x200 |
| EN BG P2E 65-250-225 EC+J3A | 200LB | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼” | 80x200 |
| EN BG P2E 65-250-NB ES+J3A | 200LB | 37 | J3A | 2,2 | CM80-V80 | P80-S150 | 1¼” | 80x150 |
| EN BG P2E 65-250-235 EC+J3A | 200LB | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼” | 80x200 |

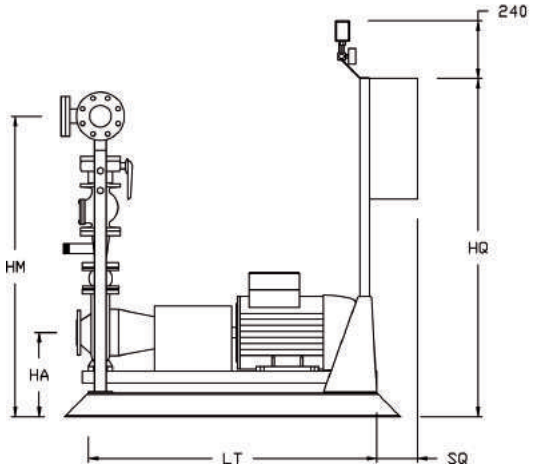
# IDROFIRE BG P2E

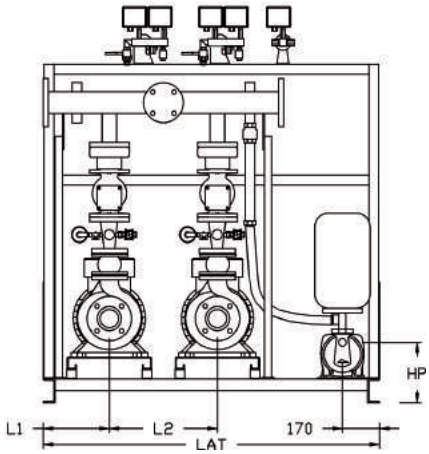
## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **MOTORE ELETTRICO** | | **ELETTROPOMPA PILOTA** | | **KIT FLUSSIMETRO** | **KIT ASP. SOTTOBATTENTE** pompa principale \| pompa pilota | | **KIT ASP. SOPRABATTENTE** pompa principale |
|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | ELECTRIC ENGINE | | JOCKEY PUMP | | FLOW METER KIT | POSITIVE HEAD KIT main pump \| jockey pump | | SUCTION LIFT KIT main pump |
| BG P2E | mod. | kW | mod. | kW | mod. | mod. | DN | mod. |
| EN BG P2E 65-250-245 EC+J3A | 225M | 45 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P2E 65-250-255 EC+J3A | 250M | 55 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P2E 65-250-N0A ES+J3A | 225M | 45 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P2E 65-250-264 EC+J3A | 250M | 55 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P2E 65-250-N0 ES+J3A | 250M | 55 | J3A | 2,2 | CM100-V80 | P80-S150 | 1¼" | 80x200 |
| EN BG P2E 65-315-RCD273 ES+V12 | 250M | 55 | V12 | 1,5 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P2E 65-315-RBC282 ES+V18 | 280S | 75 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P2E 65-315-291 EC+V18 | 280M | 90 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P2E 65-315-308 EC+V18 | 315S | 110 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P2E 80-200-195 EC+J15 | 200LA | 30 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P2E 80-200-205 EC+J15 | 200LB | 37 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P2E 80-200-214 EC+J3A | 225M | 45 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG P2E 80-250-225 EC+J3A | 225M | 45 | J3A | 2,2 | CM100-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P2E 80-250-235 EC+J3A | 250M | 55 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P2E 80-250-245 EC+J3A | 250M | 55 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG P2E 80-250-255 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG P2E 80-250-264 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG P2E 80-250-A ES+J3A | 315S | 110 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P2E 100-200-195 EC+J15 | 200LB | 37 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG P2E 100-200-205 EC+J15 | 250M | 55 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG P2E 100-200-214 EC+J3A | 250M | 55 | J3A | 2,2 | CM125-V125 | P125-S250 | 1¼" | 125x300 |
| EN BG P2E 100-250-225 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P2E 100-250-235 EC+J3A | 280S | 75 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P2E 100-250-245 EC+J3A | 280M | 90 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P2E 100-250-255 EC+J3A | 315S | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG P2E 100-250-264 EC+J3A | 315MA | 132 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG P2E 100-315-291 EC+V18 | 315S | 110 | V18 | 2,2 | CM125-V125 | P150-S250 | 1½" | 150x250 |
| EN BG P2E 100-315-RBC292 ES+V18 | 315MA | 132 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P2E 100-315-RBC296 ES+V18 | 315MB | 160 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P2E 100-315-RBC308 ES+V18 | 315MB | 160 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P2E 100-315-308 EC+V18 | 315MA | 132 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x300 |
| EN BG P2E 125-200-205 EC+J15 | 280S | 75 | J15 | 1,1 | CM200-V200 | P150-S300 | 1" | 150x350 |
| EN BG P2E 125-200-214 EC+J15 | 280S | 75 | J15 | 1,1 | CM200-V200 | P150-S350 | 1" | 150x350 |
| EN BG P2E 125-250-RC ES+J3A | 280M | 90 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 150x350 |
| EN BG P2E 125-250-RB ES+J3A | 315MA | 132 | J3A | 2,2 | CM150-V125 | P150-S300 | 1¼" | 150x350 |
| EN BG P2E 125-250-RAB ES+J3A | 315MB | 160 | J3A | 2,2 | CM150-V125 | P150-S350 | 1¼" | 150x350 |
| EN BG P2E 125-250-250 EC+V12 | 315MA | 132 | V12 | 1,5 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG P2E 125-250-264 EC+V12 | 315MA | 132 | V12 | 1,5 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG P2E 125-315-RBC287 ES+V12 | 315MB | 160 | V12 | 1,5 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P2E 125-315-RCD295 ES+V18 | 315MB | 160 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P2E 125-250-278 EC+V18 | 315MB | 160 | V18 | 2,2 | CM200-V200 | P150-S350 | 1½" | 150x400 |
| EN BG P2E 125-315-RBC302 ES+V18 | 315L | 200 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P2E 150-315-RC257 ES+V12 | 315MB | 160 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG P2E 150-315-RC266 ES+V12 | 315MB | 160 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG P2E 150-315-RCD280 ES+V12 | 315L | 200 | V12 | 1,5 | CM200-V200 | P200-S300 | 1½" | 200x350 |
| EN BG P2E 150-315-RC290 ES+V18 | 355MB | 250 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P2E 150-315-RBC284 ES+V18 | 315L | 200 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P2E 150-315-RBC290 ES+V18 | 355MB | 250 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P2E 150-315-RAB310 ES+V18 | 355LB | 315 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P2E 150-315-RAB315 ES+V18 | 355LB | 315 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |

# IDROFIRE BG P2E

## **DIMENSIONI** DIMENSIONS

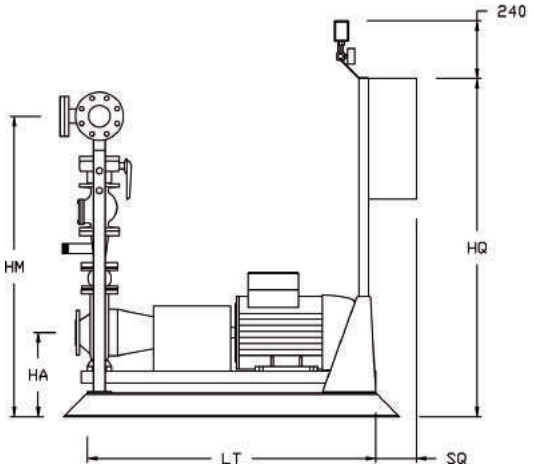


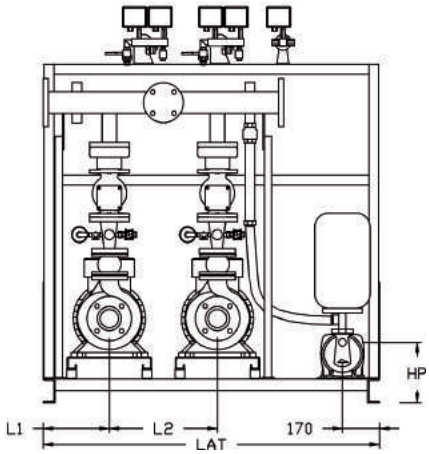




| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kit valvole | collettore | STB | STB | | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | | |
| BG P2E | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P2E 32-200-NC ES+J15 | 40 | DN80-F50 | 65 | 80 | 1" x 1" | 370 | 1243 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 32-200-NB ES+J15 | 40 | DN80-F50 | 65 | 80 | 1" x 1" | 370 | 1243 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 32-200-NA ES+J15 | 40 | DN80-F50 | 80 | 80 | 1" x 1" | 370 | 1243 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 32-250-E ES+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 32-250-225 EC+J15 | 40 | DN80-F50 | 80 | 100 | 1" x 1" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 32-250-235 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 32-250-245 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 32-250-B ES+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" x 1¼" | 390 | 1338 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 32-250-255 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 32-250-264 EC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" x 1¼" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 32-250-A ES+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" x 1¼" | 434 | 1382 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 40-200-185 EC+J15 | 50 | DN80-F50 | 80 | 100 | 1" x 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 40-200-195 EC+J15 | 50 | DN80-F50 | 80 | 100 | 1" x 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 40-200-205 EC+J15 | 50 | DN80-F50 | 100 | 100 | 1" x 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 40-200-214 EC+J15 | 50 | DN80-F50 | 100 | 100 | 1" x 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 40-200-NA ES+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" x 1¼" | 395 | 1298 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 40-250-225 EC+J15 | 50 | DN80-F50 | 100 | 125 | 1" x 1" | 390 | 1338 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 40-250-235 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 390 | 1338 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 40-250-245 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 390 | 1338 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 40-250-255 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 390 | 1338 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 40-250-264 EC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" x 1¼" | 434 | 1382 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 40-315-RB300 ES+V18 | 65 | DN80-F50 | 100 | 125 | 25 x 25 | 445 | 1461 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 181 |
| EN BG P2E 40-315-RAB308 ES+V18 | 65 | DN80-F50 | 100 | 125 | 25 x 25 | 445 | 1461 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 181 |
| EN BG P2E 40-315-RAB315 ES+V18 | 65 | DN80-F50 | 100 | 125 | 25 x 25 | 445 | 1461 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 181 |
| EN BG P2E 50-160-174 EC+J15 | 65 | DN80-F50 | 150 | 150 | 1" x 1" | 395 | 1351 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-185 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 370 | 1346 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-195 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 395 | 1371 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-C ES+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 370 | 1346 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-B ES+J15 | 65 | DN80-F50 | 100 | 125 | 1" x 1" | 395 | 1371 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-205 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 388 | 1364 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-A ES+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 395 | 1371 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 50-200-214 EC+J15 | 65 | DN80-F50 | 125 | 125 | 1" x 1" | 388 | 1364 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-NB ES+J15 | 65 | DN80-F50 | 125 | 150 | 1" x 1" | 380 | 1356 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG P2E 50-200-NA ES+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" x 1¼" | 434 | 1410 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 50-250-225 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 390 | 1391 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG P2E 50-250-235 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 434 | 1435 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |

# IDROFIRE BG P2E

## **DIMENSIONI** DIMENSIONS

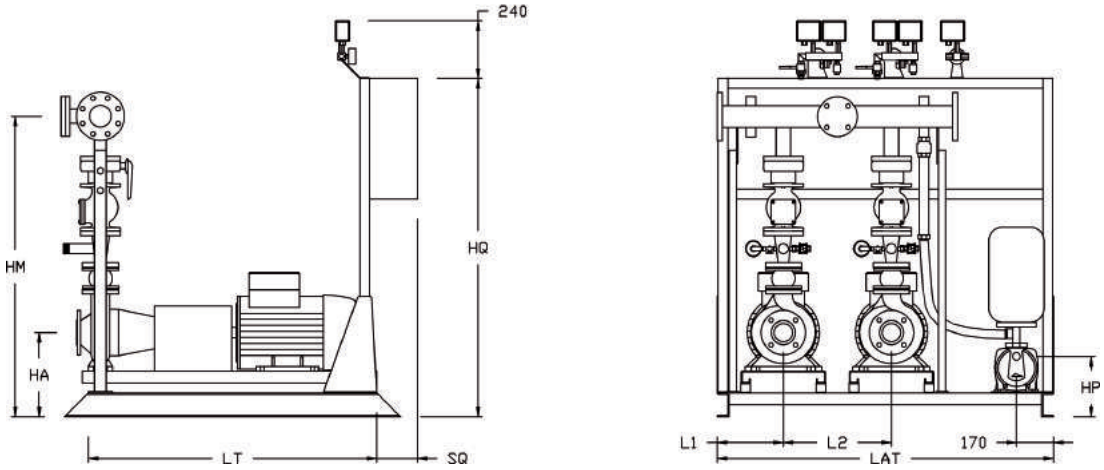



| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kit valvole | collettore | STB | STB | | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | | |
| BG P2E | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P2E 50-250-245 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 434 | 1435 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 50-250-255 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 400 | 1401 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 50-250-264 EC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" x 1¼" | 400 | 1401 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 50-250-NA ES+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" x 1¼" | 400 | 1401 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 50-315-274 EC+V12 | 65 | DN80-F50 | 125 | 125 | 25 x 25 | 445 | 1501 | 1800 | 1600 | 375 | 550 | 1400 | 200 | 181 |
| EN BG P2E 50-315-291 EC+V18 | 65 | DN80-F50 | 125 | 125 | 25 x 25 | 445 | 1501 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 181 |
| EN BG P2E 50-315-308 EC+V18 | 65 | DN80-F50 | 125 | 125 | 25 x 25 | 450 | 1506 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 181 |
| EN BG P2E 65-200-185 EC+J15 | 100 | DN125-F80 | 200 | 200 | 1" x 1" | 390 | 1512 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG P2E 65-200-NA ES+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 400 | 1522 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 65-200-195 EC+J15 | 100 | DN125-F80 | 200 | 200 | 1" x 1" | 434 | 1556 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG P2E 65-200-205 EC+J15 | 100 | DN125-F80 | 200 | 200 | 1" x 1" | 400 | 1522 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG P2E 65-200-214 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 400 | 1522 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 65-250-225 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 65-250-NB ES+J3A | 80 | DN100-F80 | 150 | 150 | 1¼" x 1¼" | 420 | 1488 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 65-250-235 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG P2E 65-250-245 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG P2E 65-250-255 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG P2E 65-250-NOA ES+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG P2E 65-250-264 EC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" x 1¼" | 420 | 1567 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG P2E 65-250-NO ES+J3A | 100 | DN125-F80 | 150 | 200 | 1¼" x 1¼" | 420 | 1567 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG P2E 65-315-RCD273 ES+V12 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 445 | 1622 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 181 |
| EN BG P2E 65-315-RBC282 ES+V18 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 450 | 1627 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 181 |
| EN BG P2E 65-315-291 EC+V18 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 450 | 1627 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 181 |
| EN BG P2E 65-315-308 EC+V18 | 100 | DN125-F80 | 200 | 200 | 25 x 25 | 555 | 1732 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 80-200-195 EC+J15 | 125 | DN150-F100 | 250 | 250 | 1" x 1" | 400 | 1630 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG P2E 80-200-205 EC+J15 | 125 | DN150-F100 | 250 | 250 | 1" x 1" | 400 | 1630 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG P2E 80-200-214 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 400 | 1630 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG P2E 80-250-225 EC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" x 1¼" | 420 | 1680 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG P2E 80-250-235 EC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" x 1¼" | 420 | 1680 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG P2E 80-250-245 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 420 | 1680 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG P2E 80-250-255 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 450 | 1710 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 295 |
| EN BG P2E 80-250-264 EC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" x 1¼" | 450 | 1710 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 295 |
| EN BG P2E 80-250-A ES+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" x 1¼" | 555 | 1815 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG P2E 100-200-195 EC+J15 | 150 | DN200-F125 | 250 | 300 | 1" x 1" | 420 | 1761 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG P2E 100-200-205 EC+J15 | 150 | DN200-F125 | 250 | 300 | 1" x 1" | 420 | 1761 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 277 |
| EN BG P2E 100-200-214 EC+J3A | 150 | DN200-F125 | 250 | 300 | 1¼" x 1¼" | 420 | 1761 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |

# IDROFIRE BG P2E

## **DIMENSIONI** DIMENSIONS




| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kit valvole | collettore | STB | STB | | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | | |
| BG P2E | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P2E 100-250-225 EC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" x 1¼" | 450 | 1791 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 295 |
| EN BG P2E 100-250-235 EC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" x 1¼" | 450 | 1791 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 295 |
| EN BG P2E 100-250-245 EC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" x 1¼" | 450 | 1791 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 295 |
| EN BG P2E 100-250-255 EC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 555 | 1896 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG P2E 100-250-264 EC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 555 | 1896 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG P2E 100-315-291 EC+V18 | 150 | DN200-F125 | 250 | 250 | 25 x 25 | 555 | 1931 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 100-315-RBC292 ES+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 555 | 1931 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 100-315-RBC296 ES+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 575 | 1951 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 100-315-RBC308 ES+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 575 | 1951 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 100-315-308 EC+V18 | 150 | DN200-F125 | 300 | 300 | 25 x 25 | 555 | 1931 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 125-200-205 EC+J15 | 150 | DN200-F125 | 300 | 350 | 1" x 1" | 470 | 1881 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 277 |
| EN BG P2E 125-200-214 EC+J15 | 150 | DN200-F125 | 350 | 350 | 1" x 1" | 470 | 1881 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 277 |
| EN BG P2E 125-250-RC ES+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 470 | 1921 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 295 |
| EN BG P2E 125-250-RB ES+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" x 1¼" | 555 | 2006 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG P2E 125-250-RAB ES+J3A | 150 | DN200-F125 | 350 | 350 | 1¼" x 1¼" | 575 | 2026 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG P2E 125-250-250 EC+V12 | 150 | DN200-F125 | 300 | 350 | 25 x 25 | 555 | 2006 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 125-250-264 EC+V12 | 150 | DN200-F125 | 300 | 350 | 25 x 25 | 555 | 2006 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 125-315-RBC287 ES+V12 | 150 | DN200-F125 | 250 | 350 | 25 x 25 | 585 | 2036 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 125-315-RCD295 ES+V18 | 150 | DN200-F125 | 250 | 350 | 25 x 25 | 595 | 2046 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 125-250-278 EC+V18 | 150 | DN200-F125 | 350 | 400 | 25 x 25 | 575 | 2026 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 125-315-RBC302 ES+V18 | 150 | DN200-F125 | 300 | 350 | 25 x 25 | 595 | 2046 | 2200 | 2300 | 525 | 850 | 1400 | 370 | 181 |
| EN BG P2E 150-315-RC257 ES+V12 | 200 | DN250-F200 | 400 | 400 | 25 x 25 | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 150-315-RC266 ES+V12 | 200 | DN250-F200 | 400 | 400 | 25 x 25 | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG P2E 150-315-RCD280 ES+V12 | 200 | DN250-F200 | 300 | 350 | 25 x 25 | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 370 | 181 |
| EN BG P2E 150-315-RC290 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |
| EN BG P2E 150-315-RBC284 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 370 | 181 |
| EN BG P2E 150-315-RBC290 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |
| EN BG P2E 150-315-RAB310 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |
| EN BG P2E 150-315-RAB315 ES+V18 | 200 | DN250-F200 | 400 | 450 | 25 x 25 | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |

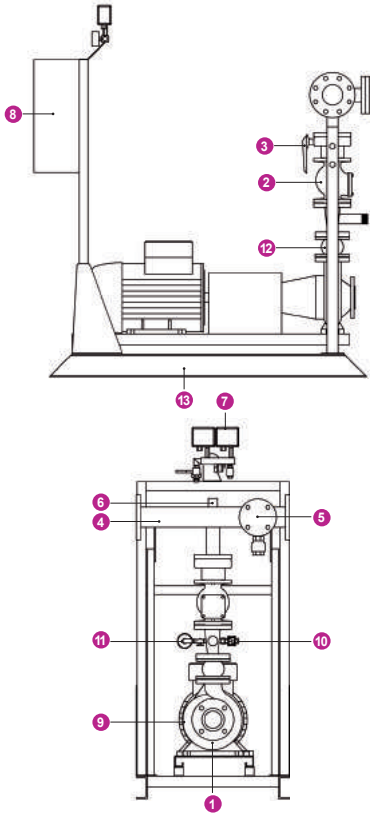
# IDROFIRE **BG ETP**

## N.1 ELETTROPOMPA DI SERVIZIO (O DI RISERVA)
## NR.1 MAIN (OR BACKUP) ELECTRIC PUMP

## ELENCO COMPONENTI
## COMPONENT LIST

1. Elettropompa di servizio (o di riserva) accoppiata mediante giunto spaziatore completo di protezione coprigiunto
2. Valvola di ritegno a clapet
3. Valvola di intercettazione lucchettabile
4. Collettore di mandata reversibile completo di flangia cieca
5. Derivazione per collettore di prova di portata
6. Predisposizione per kit sprinkler
7. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
8. Quadri elettrici di comando (uno per ogni pompa)
9. Mano-vuotometro con porta-manometro e rubinetto provvisto di flangia per controllo
10. Kit diaframma di ricircolo completo di indicatore visivo di flusso
11. Manometro 0-16 bar
12. Giunto di compensazione in gomma
13. Telaio

1. Main (or backup) electric pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
2. Swing Check Valve (“Clapet” Valve)
3. Shut-off valve lockable
4. Reversible delivery manifold with blind flange
5. Shunt for flow meter
6. Predisposition for sprinkler kit
7. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
8. Electrical control panels (one for each pump)
9. Vacuum gauge with gauge holder and cock fitted with flange for control
10. Kit recycling diaphragm complete with visual flow indicator
11. Pressure gauge 0-16 bar
12. Rubber strain neutralizer
13. Frame



# IDROFIRE BG ETP

## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO**<br>MODEL GROUP | **MOTORE ELETTRICO**<br>ELECTRIC ENGINE | | **KIT FLUSSIMETRO**<br>FLOW METER KIT | **KIT ASP. SOTTOBATTENTE**<br>pompa principale<br>POSITIVE HEAD KIT<br>main pump | **KIT ASP. SOPRABATTENTE**<br>pompa principale<br>SUCTION LIFT KIT<br>main pump |
|---|---|---|---|---|---|
| BG ETP | mod. | kW | mod. | mod. | mod. |
| EN BG ETP 32-200-NC ES | 112MA | 4 | CM50-V50 | P50-S65 | 50x80 |
| EN BG ETP 32-200-NB ES | 132SA | 5,5 | CM50-V50 | P50-S65 | 50x80 |
| EN BG ETP 32-200-NA ES | 132SB | 7,5 | CM50-V50 | P50-S80 | 50x80 |
| EN BG ETP 32-250-E ES | 160MA | 11 | CM50-V50 | P50-S80 | 50x100 |
| EN BG ETP 32-250-225 EC | 160MB | 15 | CM50-V50 | P50-S80 | 50x100 |
| EN BG ETP 32-250-235 EC | 160MB | 15 | CM50-V50 | P50-S80 | 50x100 |
| EN BG ETP 32-250-245 EC | 160L | 18,5 | CM50-V50 | P50-S80 | 50x100 |
| EN BG ETP 32-250-B ES | 180M | 22 | CM50-V50 | P50-S100 | 50x100 |
| EN BG ETP 32-250-255 EC | 160L | 18,5 | CM50-V50 | P50-S80 | 50x100 |
| EN BG ETP 32-250-264 EC | 160L | 18,5 | CM50-V50 | P50-S80 | 50x100 |
| EN BG ETP 32-250-A ES | 180M | 22 | CM50-V50 | P50-S100 | 50x100 |
| EN BG ETP 40-200-185 EC | 132SB | 7,5 | CM50-V50 | P65-S80 | 65x100 |
| EN BG ETP 40-200-195 EC | 132M | 9 | CM50-V50 | P65-S80 | 65x100 |
| EN BG ETP 40-200-205 EC | 160MA | 11 | CM50-V50 | P65-S100 | 65x100 |
| EN BG ETP 40-200-214 EC | 160MA | 11 | CM50-V50 | P65-S100 | 65x100 |
| EN BG ETP 40-200-NA ES | 160MA | 11 | CM65-V50 | P65-S100 | 65x100 |
| EN BG ETP 40-250-225 EC | 160MB | 15 | CM65-V50 | P65-S100 | 65x125 |
| EN BG ETP 40-250-235 EC | 160L | 18,5 | CM65-V50 | P65-S100 | 65x125 |
| EN BG ETP 40-250-245 EC | 180M | 22 | CM65-V50 | P65-S100 | 65x125 |
| EN BG ETP 40-250-255 EC | 180M | 22 | CM65-V50 | P65-S100 | 65x125 |
| EN BG ETP 40-250-264 EC | 180M | 22 | CM65-V50 | P65-S100 | 65x125 |
| EN BG ETP 40-315-RB300 ES | 225M | 45 | CM65 - V50 | P65-S100 | 65x125 |
| EN BG ETP 40-315-RAB308 ES | 225M | 45 | CM65 - V50 | P65-S100 | 65x125 |
| EN BG ETP 40-315-RAB315 ES | 250M | 55 | CM65 - V50 | P65-S100 | 65x125 |
| EN BG ETP 50-160-174 EC | 160MB | 15 | CM65 - V50 | P65-S150 | 65x150 |
| EN BG ETP 50-200-185 EC | 160MA | 11 | CM65-V50 | P65-S125 | 65x125 |
| EN BG ETP 50-200-195 EC | 160MB | 15 | CM65-V50 | P65-S125 | 65x125 |
| EN BG ETP 50-200-C ES | 160MA | 11 | CM65 - V50 | P65-S125 | 65x125 |
| EN BG ETP 50-200-B ES | 160MA | 11 | CM65 - V50 | P65-S100 | 65x125 |
| EN BG ETP 50-200-205 EC | 160MB | 15 | CM65-V50 | P65-S125 | 65x125 |
| EN BG ETP 50-200-A ES | 160MB | 15 | CM65-V50 | P65-S125 | 65x125 |
| EN BG ETP 50-200-214 EC | 160L | 18,5 | CM65 - V50 | P65-S125 | 65x125 |
| EN BG ETP 50-200-NB ES | 160L | 18,5 | CM65 - V50 | P65-S125 | 65x150 |
| EN BG ETP 50-200-NA ES | 180M | 22 | CM65 - V50 | P65-S150 | 65x150 |
| EN BG ETP 50-250-225 EC | 160L | 18,5 | CM65-V50 | P65-S125 | 65x125 |
| EN BG ETP 50-250-235 EC | 180M | 22 | CM65-V50 | P65-S125 | 65x125 |
| EN BG ETP 50-250-245 EC | 200LA | 30 | CM65 - V50 | P65-S125 | 65x125 |
| EN BG ETP 50-250-255 EC | 200LA | 30 | CM65 - V50 | P65-S125 | 65x125 |
| EN BG ETP 50-250-264 EC | 200LA | 30 | CM65 - V50 | P65-S125 | 65x125 |
| EN BG ETP 50-250-NA ES | 200LB | 37 | CM65 - V50 | P65-S150 | 65x150 |
| EN BG ETP 50-315-274 EC | 225M | 45 | CM65-V50 | P80-S125 | 80x125 |
| EN BG ETP 50-315-291 EC | 250M | 55 | CM65-V50 | P80-S125 | 80x125 |
| EN BG ETP 50-315-308 EC | 280S | 75 | CM65-V50 | P80-S125 | 80x125 |
| EN BG ETP 65-200-185 EC | 180M | 22 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-200-NA ES | 200LA | 30 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-200-195 EC | 200LA | 30 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-200-205 EC | 200LA | 30 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-200-214 EC | 200LB | 37 | CM100-V100 | P80-S200 | 80x200 |
| EN BG ETP 65-250-225 EC | 200LB | 37 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-250-NB ES | 200LB | 37 | CM80-V80 | P80-S150 | 80x150 |
| EN BG ETP 65-250-235 EC | 200LB | 37 | CM100-V80 | P80-S200 | 80x200 |

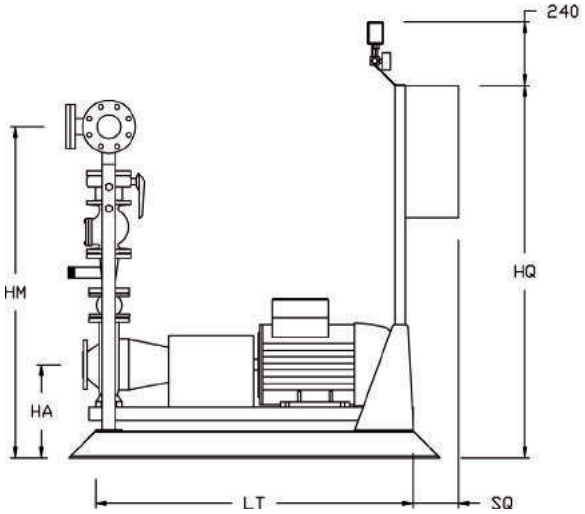
# IDROFIRE BG ETP

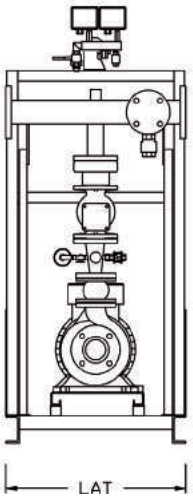
## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO**<br>MODEL GROUP | **MOTORE ELETTRICO**<br>ELECTRIC ENGINE | | **KIT FLUSSIMETRO**<br>FLOW METER KIT | **KIT ASP. SOTTOBATTENTE**<br>pompa principale<br>POSITIVE HEAD KIT<br>main pump | **KIT ASP. SOPRABATTENTE**<br>pompa principale<br>SUCTION LIFT KIT<br>main pump |
|---|---|---|---|---|---|
| BG ETP | mod. | kW | mod. | mod. | mod. |
| EN BG ETP 65-250-245 EC | 225M | 45 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-250-255 EC | 250M | 55 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-250-N0A ES | 225M | 45 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-250-264 EC | 250M | 55 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-250-N0 ES | 250M | 55 | CM100-V80 | P80-S150 | 80x200 |
| EN BG ETP 65-315-RCD273 ES | 250M | 55 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-315-RBC282 ES | 280S | 75 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-315-291 EC | 280M | 90 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 65-315-308 EC | 315S | 110 | CM100-V80 | P80-S200 | 80x200 |
| EN BG ETP 80-200-195 EC | 200LA | 30 | CM125-V100 | P100-S250 | 100x250 |
| EN BG ETP 80-200-205 EC | 200LB | 37 | CM125-V100 | P100-S250 | 100x250 |
| EN BG ETP 80-200-214 EC | 225M | 45 | CM125-V125 | P100-S250 | 100x250 |
| EN BG ETP 80-250-225 EC | 225M | 45 | CM100-V100 | P100-S200 | 100x250 |
| EN BG ETP 80-250-235 EC | 250M | 55 | CM125-V100 | P100-S200 | 100x250 |
| EN BG ETP 80-250-245 EC | 250M | 55 | CM125-V100 | P100-S250 | 100x250 |
| EN BG ETP 80-250-255 EC | 280S | 75 | CM125-V100 | P100-S250 | 100x250 |
| EN BG ETP 80-250-264 EC | 280S | 75 | CM125-V125 | P100-S250 | 100x250 |
| EN BG ETP 80-250-A ES | 315S | 110 | CM125-V100 | P100-S200 | 100x250 |
| EN BG ETP 100-200-195 EC | 200LB | 37 | CM125-V125 | P125-S250 | 125x300 |
| EN BG ETP 100-200-205 EC | 250M | 55 | CM125-V125 | P125-S250 | 125x300 |
| EN BG ETP 100-200-214 EC | 250M | 55 | CM125-V125 | P125-S250 | 125x300 |
| EN BG ETP 100-250-225 EC | 280S | 75 | CM125-V125 | P125-S300 | 125x300 |
| EN BG ETP 100-250-235 EC | 280S | 75 | CM125-V125 | P125-S300 | 125x300 |
| EN BG ETP 100-250-245 EC | 280M | 90 | CM125-V125 | P125-S300 | 125x300 |
| EN BG ETP 100-250-255 EC | 315S | 110 | CM125-V125 | P125-S300 | 125x350 |
| EN BG ETP 100-250-264 EC | 315MA | 132 | CM125-V125 | P125-S300 | 125x350 |
| EN BG ETP 100-315-291 EC | 315S | 110 | CM125-V125 | P150-S250 | 150x250 |
| EN BG ETP 100-315-RBC292 ES | 315MA | 132 | CM125-V125 | P125-S300 | 125x300 |
| EN BG ETP 100-315-RBC296 ES | 315MB | 160 | CM125-V125 | P125-S300 | 125x300 |
| EN BG ETP 100-315-RBC308 ES | 315MB | 160 | CM125-V125 | P125-S300 | 125x300 |
| EN BG ETP 100-315-308 EC | 315MA | 132 | CM125-V125 | P150-S300 | 150x300 |
| EN BG ETP 125-200-205 EC | 280S | 75 | CM200-V200 | P150-S300 | 150x350 |
| EN BG ETP 125-200-214 EC | 280S | 75 | CM200-V200 | P150-S350 | 150x350 |
| EN BG ETP 125-250-RC ES | 280M | 90 | CM125-V125 | P125-S300 | 150x350 |
| EN BG ETP 125-250-RB ES | 315MA | 132 | CM150-V125 | P150-S300 | 150x350 |
| EN BG ETP 125-250-RAB ES | 315MB | 160 | CM150-V125 | P150-S350 | 150x350 |
| EN BG ETP 125-250-250 EC | 315MA | 132 | CM200-V200 | P150-S300 | 150x350 |
| EN BG ETP 125-250-264 EC | 315MA | 132 | CM200-V200 | P150-S300 | 150x350 |
| EN BG ETP 125-315-RBC287 ES | 315MB | 160 | CM125-V125 | P150-S300 | 150x350 |
| EN BG ETP 125-315-RCD295 ES | 315MB | 160 | CM125-V125 | P150-S300 | 150x350 |
| EN BG ETP 125-250-278 EC | 315MB | 160 | CM200-V200 | P150-S350 | 150x400 |
| EN BG ETP 125-315-RBC302 ES | 315L | 200 | CM125-V125 | P150-S300 | 150x350 |
| EN BG ETP 150-315-RC257 ES | 315MB | 160 | CM200-V200 | P200-S400 | 200x400 |
| EN BG ETP 150-315-RC266 ES | 315MB | 160 | CM200-V200 | P200-S400 | 200x400 |
| EN BG ETP 150-315-RCD280 ES | 315L | 200 | CM200-V200 | P200-S300 | 200x350 |
| EN BG ETP 150-315-RC290 ES | 355MB | 250 | CM200-V200 | P200-S400 | 200x450 |
| EN BG ETP 150-315-RBC284 ES | 315L | 200 | CM200-V200 | P200-S400 | 200x450 |
| EN BG ETP 150-315-RBC290 ES | 355MB | 250 | CM200-V200 | P200-S400 | 200x450 |
| EN BG ETP 150-315-RAB310 ES | 355LB | 315 | CM200-V200 | P200-S400 | 200x450 |
| EN BG ETP 150-315-RAB315 ES | 355LB | 315 | CM200-V200 | P200-S400 | 200x450 |

# IDROFIRE BG ETP

## **DIMENSIONI** DIMENSIONS

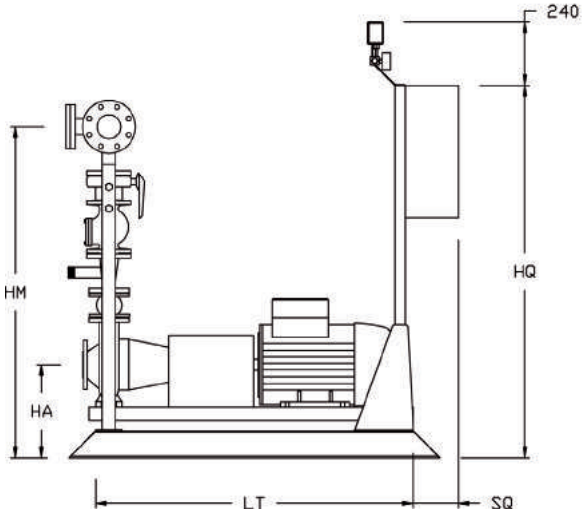


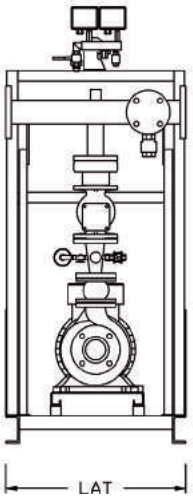




| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | HA | HM | LAT | LT | HQ | SQ |
|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | HA | HM | LAT | LT | HQ | SQ |
| | valves kit | manifold | posit. head | posit. head | | | | | | |
| BG ETP | DN | DN | DN | DN | mm | mm | mm | mm | mm | mm |
| EN BG ETP 32-200-NC ES | 40 | DN80-F50 | 65 | 80 | 370 | 1243 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-200-NB ES | 40 | DN80-F50 | 65 | 80 | 370 | 1243 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-200-NA ES | 40 | DN80-F50 | 80 | 80 | 370 | 1243 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-250-E ES | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-250-225 EC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-250-235 EC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-250-245 EC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-250-B ES | 50 | DN80-F50 | 100 | 100 | 390 | 1338 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 32-250-255 EC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-250-264 EC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 32-250-A ES | 50 | DN80-F50 | 100 | 100 | 434 | 1382 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 40-200-185 EC | 50 | DN80-F50 | 80 | 100 | 370 | 1273 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 40-200-195 EC | 50 | DN80-F50 | 80 | 100 | 370 | 1273 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 40-200-205 EC | 50 | DN80-F50 | 100 | 100 | 370 | 1273 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 40-200-214 EC | 50 | DN80-F50 | 100 | 100 | 370 | 1273 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 40-200-NA ES | 50 | DN80-F50 | 100 | 100 | 395 | 1298 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 40-250-225 EC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 40-250-235 EC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 40-250-245 EC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 40-250-255 EC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 40-250-264 EC | 50 | DN80-F50 | 100 | 125 | 434 | 1382 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 40-315-RB300 ES | 65 | DN80-F50 | 100 | 125 | 445 | 1461 | 800 | 1600 | 1400 | 200 |
| EN BG ETP 40-315-RAB308 ES | 65 | DN80-F50 | 100 | 125 | 445 | 1461 | 800 | 1600 | 1400 | 200 |
| EN BG ETP 40-315-RAB315 ES | 65 | DN80-F50 | 100 | 125 | 445 | 1461 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 50-160-174 EC | 65 | DN80-F50 | 150 | 150 | 395 | 1351 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-185 EC | 65 | DN80-F50 | 125 | 125 | 370 | 1346 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-195 EC | 65 | DN80-F50 | 125 | 125 | 395 | 1371 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-C ES | 65 | DN80-F50 | 125 | 125 | 370 | 1346 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-B ES | 65 | DN80-F50 | 100 | 125 | 395 | 1371 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-205 EC | 65 | DN80-F50 | 125 | 125 | 388 | 1364 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-A ES | 65 | DN80-F50 | 125 | 125 | 395 | 1371 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-214 EC | 65 | DN80-F50 | 125 | 125 | 388 | 1364 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-NB ES | 65 | DN80-F50 | 125 | 150 | 380 | 1356 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-200-NA ES | 65 | DN80-F50 | 150 | 150 | 434 | 1410 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 50-250-225 EC | 65 | DN80-F50 | 125 | 125 | 390 | 1391 | 700 | 1100 | 1400 | 200 |
| EN BG ETP 50-250-235 EC | 65 | DN80-F50 | 125 | 125 | 434 | 1435 | 700 | 1300 | 1400 | 200 |

# IDROFIRE BG ETP

## **DIMENSIONI** DIMENSIONS

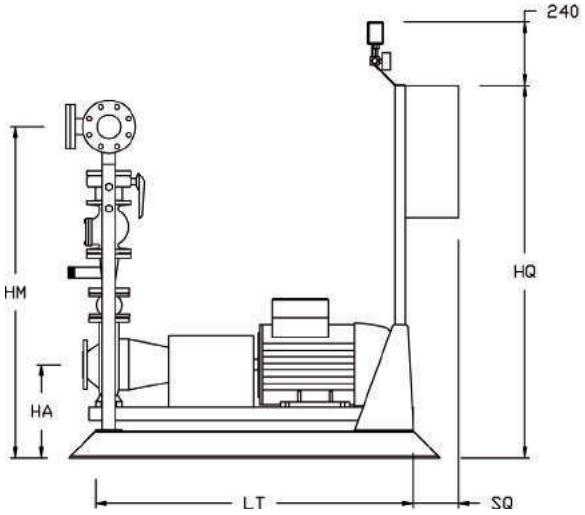


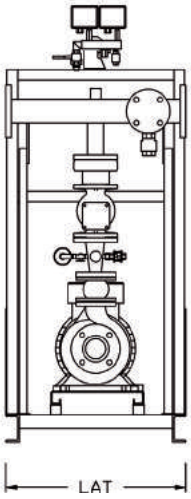




| **MODELLO GRUPPO** | **MANDATA** KIT VLV | collettore | **ASPIRAZIONE** STB | STB | **HA** | **HM** | **LAT** | **LT** | **HQ** | **SQ** |
|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | SUCTION posit. head | posit. head | HA | HM | LAT | LT | HQ | SQ |
| BG ETP | DN | DN | DN | DN | mm | mm | mm | mm | mm | mm |
| EN BG ETP 50-250-245 EC | 65 | DN80-F50 | 125 | 125 | 434 | 1435 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 50-250-255 EC | 65 | DN80-F50 | 125 | 125 | 400 | 1401 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 50-250-264 EC | 65 | DN80-F50 | 125 | 125 | 400 | 1401 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 50-250-NA ES | 65 | DN80-F50 | 150 | 150 | 400 | 1401 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 50-315-274 EC | 65 | DN80-F50 | 125 | 125 | 445 | 1501 | 800 | 1600 | 1400 | 200 |
| EN BG ETP 50-315-291 EC | 65 | DN80-F50 | 125 | 125 | 445 | 1501 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 50-315-308 EC | 65 | DN80-F50 | 125 | 125 | 450 | 1506 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 65-200-185 EC | 100 | DN125-F80 | 200 | 200 | 390 | 1512 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-200-NA ES | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-200-195 EC | 100 | DN125-F80 | 200 | 200 | 434 | 1556 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-200-205 EC | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-200-214 EC | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-250-225 EC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-250-NB ES | 80 | DN100-F80 | 150 | 150 | 420 | 1488 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-250-235 EC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 65-250-245 EC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 800 | 1600 | 1400 | 200 |
| EN BG ETP 65-250-255 EC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 65-250-NOA ES | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 800 | 1600 | 1400 | 200 |
| EN BG ETP 65-250-264 EC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 65-250-NO ES | 100 | DN125-F80 | 150 | 200 | 420 | 1567 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 65-315-RCD273 ES | 100 | DN125-F80 | 200 | 200 | 445 | 1622 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 65-315-RBC282 ES | 100 | DN125-F80 | 200 | 200 | 450 | 1627 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 65-315-291 EC | 100 | DN125-F80 | 200 | 200 | 450 | 1627 | 1100 | 2000 | 1400 | 300 |
| EN BG ETP 65-315-308 EC | 100 | DN125-F80 | 200 | 200 | 555 | 1732 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 80-200-195 EC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 80-200-205 EC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 80-200-214 EC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 800 | 1600 | 1400 | 200 |
| EN BG ETP 80-250-225 EC | 125 | DN150-F100 | 200 | 250 | 420 | 1680 | 800 | 1600 | 1400 | 200 |
| EN BG ETP 80-250-235 EC | 125 | DN150-F100 | 200 | 250 | 420 | 1680 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 80-250-245 EC | 125 | DN150-F100 | 250 | 250 | 420 | 1680 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 80-250-255 EC | 125 | DN150-F100 | 250 | 250 | 450 | 1710 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 80-250-264 EC | 125 | DN150-F100 | 250 | 250 | 450 | 1710 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 80-250-A ES | 125 | DN150-F100 | 200 | 250 | 555 | 1815 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 100-200-195 EC | 150 | DN200-F125 | 250 | 300 | 420 | 1761 | 700 | 1300 | 1400 | 200 |
| EN BG ETP 100-200-205 EC | 150 | DN200-F125 | 250 | 300 | 420 | 1761 | 900 | 1800 | 1400 | 200 |
| EN BG ETP 100-200-214 EC | 150 | DN200-F125 | 250 | 300 | 420 | 1761 | 900 | 1800 | 1400 | 200 |

# IDROFIRE BG ETP

## **DIMENSIONI** DIMENSIONS

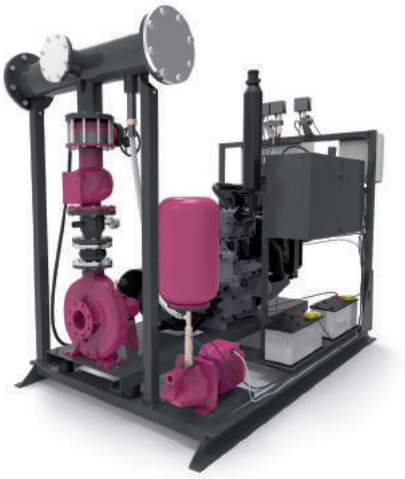



| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | HA | HM | LAT | LT | HQ | SQ |
|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | HA | HM | LAT | LT | HQ | SQ |
| | valves kit | manifold | posit. head | posit. head | | | | | | |
| BG ETP | DN | DN | DN | DN | mm | mm | mm | mm | mm | mm |
| EN BG ETP 100-250-225 EC | 150 | DN200-F125 | 300 | 300 | 450 | 1791 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 100-250-235 EC | 150 | DN200-F125 | 300 | 300 | 450 | 1791 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 100-250-245 EC | 150 | DN200-F125 | 300 | 300 | 450 | 1791 | 1100 | 2000 | 1400 | 300 |
| EN BG ETP 100-250-255 EC | 150 | DN200-F125 | 300 | 350 | 555 | 1896 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 100-250-264 EC | 150 | DN200-F125 | 300 | 350 | 555 | 1896 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 100-315-291 EC | 150 | DN200-F125 | 250 | 250 | 555 | 1931 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 100-315-RBC292 ES | 150 | DN200-F125 | 300 | 300 | 555 | 1931 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 100-315-RBC296 ES | 150 | DN200-F125 | 300 | 300 | 575 | 1951 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 100-315-RBC308 ES | 150 | DN200-F125 | 300 | 300 | 575 | 1951 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 100-315-308 EC | 150 | DN200-F125 | 300 | 300 | 555 | 1931 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-200-205 EC | 150 | DN200-F125 | 300 | 350 | 470 | 1881 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 125-200-214 EC | 150 | DN200-F125 | 350 | 350 | 470 | 1881 | 900 | 1800 | 1400 | 300 |
| EN BG ETP 125-250-RC ES | 150 | DN200-F125 | 300 | 350 | 470 | 1921 | 1100 | 2000 | 1400 | 300 |
| EN BG ETP 125-250-RB ES | 150 | DN200-F125 | 300 | 350 | 555 | 2006 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-250-RAB ES | 150 | DN200-F125 | 350 | 350 | 575 | 2026 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-250-250 EC | 150 | DN200-F125 | 300 | 350 | 555 | 2006 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-250-264 EC | 150 | DN200-F125 | 300 | 350 | 555 | 2006 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-315-RBC287 ES | 150 | DN200-F125 | 250 | 350 | 585 | 2036 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-315-RCD295 ES | 150 | DN200-F125 | 250 | 350 | 595 | 2046 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-250-278 EC | 150 | DN200-F125 | 350 | 400 | 575 | 2026 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 125-315-RBC302 ES | 150 | DN200-F125 | 300 | 350 | 595 | 2046 | 1100 | 2300 | 1400 | 370 |
| EN BG ETP 150-315-RC257 ES | 200 | DN250-F200 | 400 | 400 | 595 | 2252 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 150-315-RC266 ES | 200 | DN250-F200 | 400 | 400 | 595 | 2252 | 1100 | 2300 | 1400 | 300 |
| EN BG ETP 150-315-RCD280 ES | 200 | DN250-F200 | 300 | 350 | 595 | 2252 | 1100 | 2300 | 1400 | 370 |
| EN BG ETP 150-315-RC290 ES | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1300 | 2500 | 1400 | 370 |
| EN BG ETP 150-315-RBC284 ES | 200 | DN250-F200 | 400 | 450 | 595 | 2252 | 1100 | 2300 | 1400 | 370 |
| EN BG ETP 150-315-RBC290 ES | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1300 | 2500 | 1400 | 370 |
| EN BG ETP 150-315-RAB310 ES | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1300 | 2500 | 1400 | 370 |
| EN BG ETP 150-315-RAB315 ES | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1300 | 2500 | 1400 | 370 |

# IDROFIRE **BG P1M**

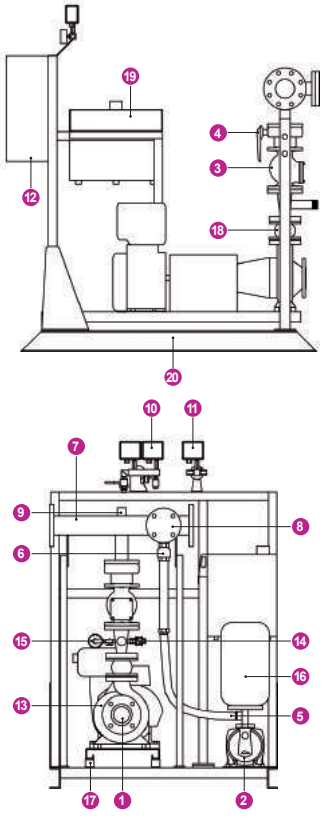
## N.1 MOTOPOMPA DI SERVIZIO + PILOTA
## NR.1 MAIN DIESEL MOTOR PUMP + JOCKEY PUMP



## ELENCO COMPONENTI
## COMPONENT LIST

1. Motopompa Diesel di servizio accoppiata mediante giunto spaziatore completo di protezione coprigiunto
2. Elettropompa pilota
3. Valvola di ritegno a clapet
4. Valvola di intercettazione lucchettabile
5. Valvola di ritegno
6. Valvola di intercettazione a sfera con leva
7. Collettore di mandata reversibile completo di flangia cieca
8. Derivazione per collettore di prova di portata
9. Predisposizione per kit sprinkler
10. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
11. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
12. Quadri elettrici di comando (uno per ogni pompa)
13. Mano-vuotometro con porta-manometro e rubinetto provvisto di flangia per controllo
14. Kit diaframma di ricircolo completo di indicatore visivo di flusso
15. Manometro 0-16 bar
16. Serbatoio Autoclave 24 lt PN16
17. Giunti antivibranti in gomma
18. Giunto di compensazione in gomma
19. Serbatoio gasolio per motore Diesel
20. Telaio

1. Main Diesel engine pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
2. Jockey electric pump
3. Swing Check Valve (“Clapet” Valve)
4. Shut-off valve lockable
5. Check valve
6. Ball valve with level
7. Reversible delivery manifold with blind flange
8. Shunt for flow meter
9. Predisposition for sprinkler kit
10. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
11. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
12. Electrical control panels (one for each pump)
13. Vacuum gauge with gauge holder and cock fitted with flange for control
14. Kit recycling diaphragm complete with visual flow indicator
15. Pressure gauge 0-16 bar
16. Diaphragm pressure vessel 24LT PN16
17. Rubber anti-vibration joints
18. Rubber strain neutralizer
19. Fuel tank for diesel engine
20. Frame



# IDROFIRE BG P1M

## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **MOTORE DIESEL** | | | **ELETTROPOMPA PILOTA** | | **KIT FLUSSIMETRO** | **KIT ASP. SOTTOBATTENTE** pompa principale / pompa pilota | | **KIT ASP. SOPRABATTENTE** pompa principale |
|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DIESEL ENGINE | | | JOCKEY PUMP | | FLOW METER KIT | POSITIVE HEAD KIT main pump / jockey pump | | SUCTION LIFT KIT main pump |
| BG P1M | mod. | kW NA | kW NB | mod. | kW | mod. | mod. | DN | mod. |
| EN BG P1M 32-200-NC LS+J15 | 15LD350 | 4,2 | 4,6 | J15 | 1,1 | CM50-V50 | P50-S65 | 1" | 50x80 |
| EN BG P1M 32-200-NB LS+J15 | 15LD440 | 6,2 | 6,7 | J15 | 1,1 | CM50-V50 | P50-S65 | 1" | 50x80 |
| EN BG P1M 32-200-NA LS+J15 | 15LD500 | 7,1 | 7,8 | J15 | 1,1 | CM50-V50 | P50-S80 | 1" | 50x80 |
| EN BG P1M 32-250-E LS+J3A | 12LD477/2 | 13,6 | 15 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1M 32-250-225 LC+J15 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM50-V50 | P50-S80 | 1" | 50x100 |
| EN BG P1M 32-250-235 LC+J3A | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1M 32-250-245 LC+J3A | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1M 32-250-B PS+J3A | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼" | 50x100 |
| EN BG P1M 32-250-255 LC+J3A | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1M 32-250-264 PC+J3A | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼" | 50x100 |
| EN BG P1M 32-250-A LS+J3A | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼" | 50x100 |
| EN BG P1M 40-200-185 LC+J15 | 15LD500 | 7,1 | 7,8 | J15 | 1,1 | CM50-V50 | P65-S80 | 1" | 65x100 |
| EN BG P1M 40-200-195 LC+J15 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM50-V50 | P65-S80 | 1" | 65x100 |
| EN BG P1M 40-200-205 LC+J15 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM50-V50 | P65-S100 | 1" | 65x100 |
| EN BG P1M 40-200-214 LC+J15 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM50-V50 | P65-S100 | 1" | 65x100 |
| EN BG P1M 40-200-NA LS+J3A | 12LD477/2 | 13,6 | 15 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x100 |
| EN BG P1M 40-250-225 LC+J15 | 9LD625/2 | 17,6 | 18,9 | J15 | 1,1 | CM65-V50 | P65-S100 | 1" | 65x125 |
| EN BG P1M 40-250-235 LC+J3A | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1M 40-250-245 PC+J3A | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1M 40-250-255 PC+J3A | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1M 40-250-264 LC+J3A | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1M 40-250-264 PC+J3A | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼" | 65x125 |
| EN BG P1M 40-315-RB300 VS+V18 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½" | 65x125 |
| EN BG P1M 40-315-RAB308 VS+V18 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½" | 65x125 |
| EN BG P1M 40-315-RAB315 VS+V18 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½" | 65x125 |
| EN BG P1M 50-160-174 LC+J15 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM65 - V50 | P65-S150 | 1" | 65x150 |
| EN BG P1M 50-200-185 LC+J15 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM65-V50 | P65-S125 | 1" | 65x125 |
| EN BG P1M 50-200-195 LC+J15 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM65-V50 | P65-S125 | 1" | 65x125 |
| EN BG P1M 50-200-C LS+J15 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1" | 65x125 |
| EN BG P1M 50-200-B LS+J15 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM65 - V50 | P65-S100 | 1" | 65x125 |
| EN BG P1M 50-200-205 LC+J15 | 9LD625/2 | 17,6 | 18,9 | J15 | 1,1 | CM65-V50 | P65-S125 | 1" | 65x125 |
| EN BG P1M 50-200-A LS+J3A | 12LD477/2 | 13,6 | 15 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-200-214 LC+J15 | 9LD625/2 | 17,6 | 18,9 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1" | 65x125 |
| EN BG P1M 50-200-NB PS+J15 | LPW 3-09 | 20,1 | 22,1 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1" | 65x150 |
| EN BG P1M 50-200-NA LS+J3A | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼" | 65x150 |
| EN BG P1M 50-200-NA PS+J3A | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼" | 65x150 |
| EN BG P1M 50-250-225 PC+J3A | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-235 LC+J3A | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-235 PC+J3A | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-245 LC+J3A | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-245 PC+J3A | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-255 VC+J3A | D703LE0 | 33 | 37 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-264 VC+J3A | D703LE0 | 33 | 37 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-264 PC+J3A | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼" | 65x125 |
| EN BG P1M 50-250-NA VS+J3A | D703LE0 | 33 | 37 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼" | 65x150 |
| EN BG P1M 50-250-NA PS+J3A | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼" | 65x150 |
| EN BG P1M 50-315-274 VC+V12 | D703LTE0 | 48 | 53 | V12 | 1,5 | CM65-V50 | P80-S125 | 1½" | 80x125 |
| EN BG P1M 50-315-291 VC+V18 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½" | 80x125 |
| EN BG P1M 50-315-308 VC+V18 | D754TPE2 | 65 | 73 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½" | 80x125 |
| EN BG P1M 65-200-185 PC+J15 | LPW 3-09 | 20,1 | 22,1 | J15 | 1,1 | CM100-V80 | P80-S200 | 1" | 80x200 |
| EN BG P1M 65-200-NA VS+J3A | D703LE0 | 33 | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-200-195 LC+J15 | 11LD626/3 | 24 | 26 | J15 | 1,1 | CM100-V80 | P80-S200 | 1" | 80x200 |
| EN BG P1M 65-200-195 PC+J15 | LPW 4-09 | 26,8 | 29,5 | J15 | 1,1 | CM100-V80 | P80-S200 | 1" | 80x200 |
| EN BG P1M 65-200-205 PC+J15 | LPW 4-09 | 26,8 | 29,5 | J15 | 1,1 | CM100-V80 | P80-S200 | 1" | 80x200 |
| EN BG P1M 65-200-214 VC+J3A | D703LE0 | 33 | 37 | J3A | 2,2 | CM100-V100 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-200-214 PC+J3A | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM100-V100 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-225 VC+J3A | D703LE0 | 33 | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-225 PC+J3A | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |

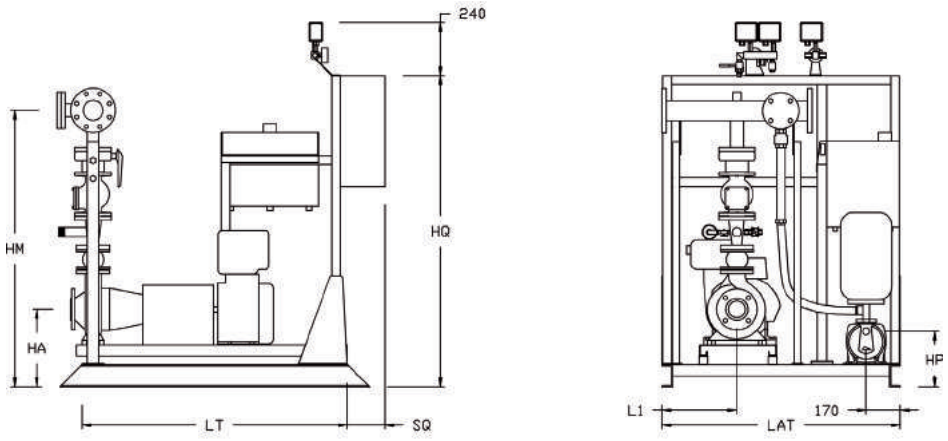
# IDROFIRE BG P1M

## DATI TECNICI TECHNICAL DATA

| MODELLO GRUPPO<br>MODEL GROUP | MOTORE DIESEL<br>DIESEL ENGINE | | | ELETTROPOMPA PILOTA<br>JOCKEY PUMP | | KIT FLUSSIMETRO<br>FLOW METER KIT | KIT ASP. SOTTOBATTENTE<br>POSITIVE HEAD KIT | | KIT ASP. SOPRABATTENTE<br>SUCTION LIFT KIT |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pompa principale<br>main pump | pompa pilota<br>jockey pump | pompa principale<br>main pump |
| BG P1M | mod. | kW NA | kW NB | mod. | kW | mod. | mod. | DN | mod. |
| EN BG P1M 65-250-NB VS+J3A | D703LE0 | 33 | 37 | J3A | 2,2 | CM80-V80 | P80-S150 | 1¼" | 80x150 |
| EN BG P1M 65-250-NB PS+J3A | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM80-V80 | P80-S150 | 1¼" | 80x150 |
| EN BG P1M 65-250-235 VC+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-235 PC+J3A | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-245 VC+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-255 VC+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-NOA VS+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-264 VC+J3A | D754TPE2 | 65 | 73 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG P1M 65-250-NO VS+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S150 | 1¼" | 80x200 |
| EN BG P1M 65-315-RCD273 VS+V12 | D754TPE2 | 65 | 73 | V12 | 1,5 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1M 65-315-RBC282 VS+V18 | D754TPE2 | 65 | 73 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1M 65-315-291 VC+V18 | D756IPE2 | 100 | 110 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1M 65-315-308 IC+V18 | N45 MNT F41 | 130,5 | 145 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG P1M 80-200-195 VC+J15 | D703LE0 | 33 | 37 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P1M 80-200-195 PC+J15 | LPWT 4-09 | 37,5 | 40,2 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P1M 80-200-205 VC+J15 | D703LTE0 | 48 | 53 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P1M 80-200-205 PC+J15 | LPWT 4-09 | 37,5 | 40,2 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG P1M 80-200-214 VC+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG P1M 80-250-225 VC+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P1M 80-250-235 VC+J3A | D703LTE0 | 48 | 53 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P1M 80-250-245 VC+J3A | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG P1M 80-250-255 VC+J3A | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG P1M 80-250-264 VC+J3A | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG P1M 80-250-A VS+J3A | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG P1M 100-200-195 VC+J15 | D703LTE0 | 48 | 53 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG P1M 100-200-195 PC+J15 | LPWT 4-09 | 37,5 | 40,2 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG P1M 100-200-205 VC+J15 | D703LTE0 | 48 | 53 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG P1M 100-200-214 VC+J3A | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V125 | P125-S250 | 1¼" | 125x300 |
| EN BG P1M 100-250-225 VC+J3A | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P1M 100-250-235 VC+J3A | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P1M 100-250-245 VC+J3A | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG P1M 100-250-255 IC+J3A | N45 MNT F41 | 130,5 | 145 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG P1M 100-250-264 IC+J3A | N45 MNT F41 | 130,5 | 145 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG P1M 100-315-291 IC+V18 | N45 MNT F41 | 130,5 | 145 | V18 | 2,2 | CM125-V125 | P150-S250 | 1½" | 150x250 |
| EN BG P1M 100-315-RBC292 IS+V18 | N45 MNT F41 | 130,5 | 145 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P1M 100-315-RBC296 IS+V18 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P1M 100-315-RBC308 IS+V18 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG P1M 100-315-308 IC+V18 | N45MNT F41 | 130,5 | 145 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x300 |
| EN BG P1M 125-200-205 VC+J15 | D754TPE2 | 65 | 73 | J15 | 1,1 | CM200-V200 | P150-S300 | 1" | 150x350 |
| EN BG P1M 125-200-214 VC+J15 | D756IPE2 | 100 | 110 | J15 | 1,1 | CM200-V200 | P150-S350 | 1" | 150x350 |
| EN BG P1M 125-250-RC VS+J3A | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 150x350 |
| EN BG P1M 125-250-RB IS+J3A | N45 MNT F41 | 130,5 | 145 | J3A | 2,2 | CM150-V125 | P150-S300 | 1¼" | 150x350 |
| EN BG P1M 125-250-RAB IS+J3A | N67 MNT F42 | 178 | 197 | J3A | 2,2 | CM150-V125 | P150-S350 | 1¼" | 150x350 |
| EN BG P1M 125-250-250 IC+V12 | N45 MNT F41 | 130,5 | 145 | V12 | 1,1 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG P1M 125-250-264 IC+V12 | N45 MNT F41 | 130,5 | 145 | V12 | 1,1 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG P1M 125-315-RBC287 IS+V12 | N67 MNT F42 | 178 | 197 | V12 | 1,5 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P1M 125-315-RCD295 IS+V18 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P1M 125-250-278 IC+V18 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM200-V200 | P150-S350 | 1½" | 150x400 |
| EN BG P1M 125-315-RBC302 IS+V18 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG P1M 150-315-RC257 IS+V12 | N67 MNT F42 | 178 | 197 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG P1M 150-315-RC266 IS+V12 | N67 MNT F42 | 178 | 197 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG P1M 150-315-RCD280 IS+V12 | N67 MNT F42 | 200 | 222 | V12 | 1,5 | CM200-V200 | P200-S300 | 1½" | 200x350 |
| EN BG P1M 150-315-RC290 IS+V18 | N67 MNT F40 | 227 | 246 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1M 150-315-RBC284 IS+V18 | N67 MNT F42 | 200 | 222 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1M 150-315-RBC290 IS+V18 | N67 MNT F40 | 227 | 246 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1M 150-315-RAB310 IS+V18 | N60 ENTF 40 | 282 | 295 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG P1M 150-315-RAB315 IS+V18 | N60 ENTF 40 | 282 | 295 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |

# IDROFIRE BG P1M

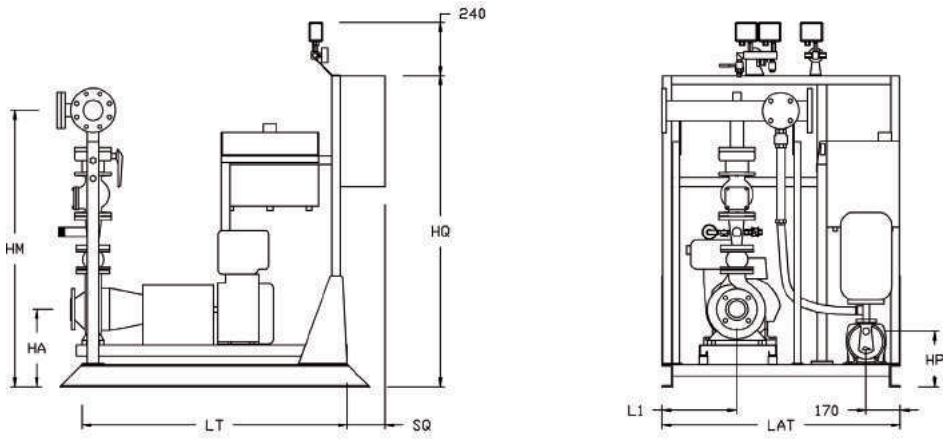
## **DIMENSIONI** DIMENSIONS




| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | |
| BG P1M | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P1M 32-200-NC LS+J15 | 40 | DN80-F50 | 65 | 80 | 1" | 370 | 1243 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 32-200-NB LS+J15 | 40 | DN80-F50 | 65 | 80 | 1" | 370 | 1243 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 32-200-NA LS+J15 | 40 | DN80-F50 | 80 | 80 | 1" | 370 | 1243 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 32-250-E LS+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1M 32-250-225 LC+J15 | 40 | DN80-F50 | 80 | 100 | 1" | 390 | 1308 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 32-250-235 LC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1M 32-250-245 LC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1M 32-250-B PS+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" | 390 | 1338 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 32-250-255 LC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1M 32-250-264 PC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 32-250-A LS+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" | 434 | 1382 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 40-200-185 LC+J15 | 50 | DN80-F50 | 80 | 100 | 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 40-200-195 LC+J15 | 50 | DN80-F50 | 80 | 100 | 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 40-200-205 LC+J15 | 50 | DN80-F50 | 100 | 100 | 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 40-200-214 LC+J15 | 50 | DN80-F50 | 100 | 100 | 1" | 370 | 1273 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 40-200-NA LS+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" | 395 | 1298 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1M 40-250-225 LC+J15 | 50 | DN80-F50 | 100 | 125 | 1" | 390 | 1338 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1M 40-250-235 LC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 390 | 1338 | 1000 | 1300 | 350 | 1400 | 200 | 295 |
| EN BG P1M 40-250-245 PC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 390 | 1338 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 40-250-255 PC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 390 | 1338 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 40-250-264 LC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 434 | 1382 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 40-250-264 PC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 400 | 1348 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 40-315-RB300 VS+V18 | 65 | DN80-F50 | 100 | 125 | 1½" | 445 | 1461 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1M 40-315-RAB308 VS+V18 | 65 | DN80-F50 | 100 | 125 | 1½" | 445 | 1461 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1M 40-315-RAB315 VS+V18 | 65 | DN80-F50 | 100 | 125 | 1½" | 445 | 1461 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1M 50-160-174 LC+J15 | 65 | DN80-F50 | 150 | 150 | 1" | 395 | 1351 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-185 LC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 370 | 1346 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-195 LC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 395 | 1371 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-C LS+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 370 | 1346 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-B LS+J15 | 65 | DN80-F50 | 100 | 125 | 1" | 395 | 1371 | 1000 | 1100 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-205 LC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 388 | 1364 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-A LS+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 395 | 1371 | 1000 | 1100 | 350 | 1400 | 200 | 295 |
| EN BG P1M 50-200-214 LC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 388 | 1364 | 1000 | 1300 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-NB PS+J15 | 65 | DN80-F50 | 125 | 150 | 1" | 380 | 1356 | 1000 | 1400 | 350 | 1400 | 200 | 277 |
| EN BG P1M 50-200-NA LS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 434 | 1410 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 50-200-NA PS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 390 | 1366 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 50-250-225 PC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 390 | 1391 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 50-250-235 LC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 434 | 1435 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 50-250-235 PC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1100 | 1600 | 400 | 1400 | 200 | 295 |

# IDROFIRE BG P1M

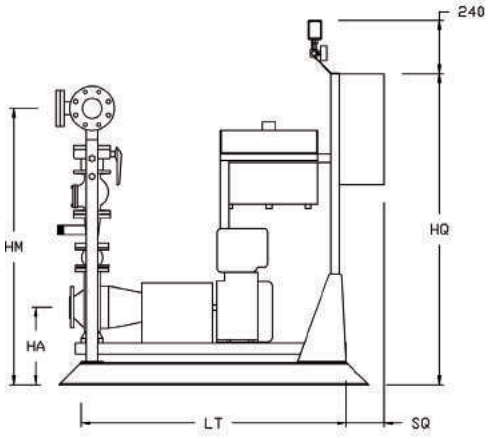
## **DIMENSIONI** DIMENSIONS

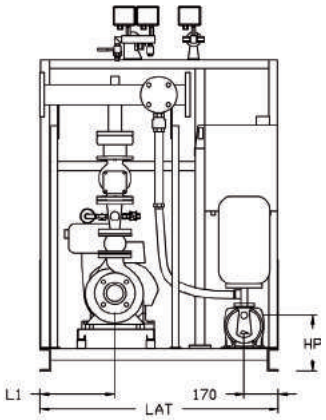



| **MODELLO GRUPPO** | **MANDATA** KIT VLV | collettore | **ASPIRAZIONE** STB | STB | **PILOTA** | **HA** | **HM** | **LAT** | **LT** | **L1** | **HQ** | **SQ** | **HP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | SUCTION posit. head | posit. head | JOCKEY PUMP | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
| BG P1M | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P1M 50-250-245 LC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 434 | 1435 | 1000 | 1400 | 350 | 1400 | 200 | 295 |
| EN BG P1M 50-250-245 PC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 50-250-255 VC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 50-250-264 VC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 50-250-264 PC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 50-250-NA VS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 400 | 1401 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 50-250-NA PS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 400 | 1401 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 50-315-274 VC+V12 | 65 | DN80-F50 | 125 | 125 | 1½" | 445 | 1501 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1M 50-315-291 VC+V18 | 65 | DN80-F50 | 125 | 125 | 1½" | 445 | 1501 | 1100 | 1600 | 400 | 1400 | 200 | 181 |
| EN BG P1M 50-315-308 VC+V18 | 65 | DN80-F50 | 125 | 125 | 1½" | 450 | 1506 | 1200 | 1800 | 450 | 1400 | 200 | 181 |
| EN BG P1M 65-200-185 PC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 390 | 1512 | 1000 | 1400 | 350 | 1400 | 200 | 277 |
| EN BG P1M 65-200-NA VS+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 400 | 1522 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-200-195 LC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 434 | 1556 | 1000 | 1400 | 350 | 1400 | 200 | 277 |
| EN BG P1M 65-200-195 PC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 400 | 1522 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 65-200-205 PC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 400 | 1522 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 65-200-214 VC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 400 | 1522 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-200-214 PC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 400 | 1522 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-225 VC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-225 PC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-NB VS+J3A | 80 | DN100-F80 | 150 | 150 | 1¼" | 420 | 1488 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-NB PS+J3A | 80 | DN100-F80 | 150 | 150 | 1¼" | 420 | 1488 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-235 VC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-235 PC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-245 VC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-255 VC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-NOA VS+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-250-264 VC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1M 65-250-NO VS+J3A | 100 | DN125-F80 | 150 | 200 | 1¼" | 420 | 1567 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 65-315-RCD273 VS+V12 | 100 | DN125-F80 | 200 | 200 | 1½" | 445 | 1622 | 1200 | 1800 | 450 | 1400 | 200 | 181 |
| EN BG P1M 65-315-RBC282 VS+V18 | 100 | DN125-F80 | 200 | 200 | 1½" | 450 | 1627 | 1200 | 1800 | 450 | 1400 | 200 | 181 |
| EN BG P1M 65-315-291 VC+V18 | 100 | DN125-F80 | 200 | 200 | 1½" | 450 | 1627 | 1200 | 2000 | 450 | 1400 | 200 | 181 |
| EN BG P1M 65-315-308 IC+V18 | 100 | DN125-F80 | 200 | 200 | 1½" | 555 | 1732 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 80-200-195 VC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 80-200-195 PC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 80-200-205 VC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 80-200-205 PC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 80-200-214 VC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 400 | 1630 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 80-250-225 VC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" | 420 | 1680 | 1100 | 1600 | 400 | 1400 | 200 | 295 |
| EN BG P1M 80-250-235 VC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" | 420 | 1680 | 1100 | 1600 | 400 | 1400 | 200 | 295 |

# IDROFIRE BG P1M

## **DIMENSIONI** DIMENSIONS

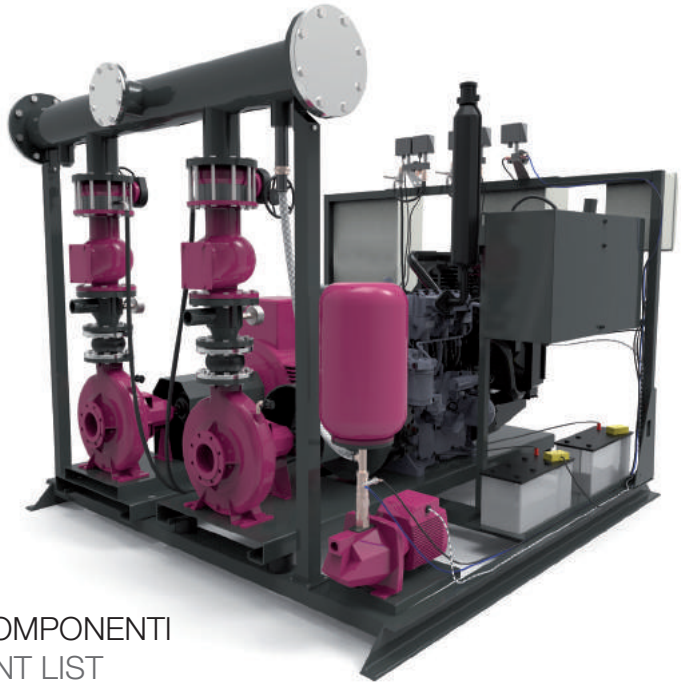



| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | |
| BG P1M | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG P1M 80-250-245 VC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 420 | 1680 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1M 80-250-255 VC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 450 | 1710 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1M 80-250-264 VC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 450 | 1710 | 1200 | 2000 | 450 | 1400 | 200 | 295 |
| EN BG P1M 80-250-A VS+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" | 555 | 1815 | 1400 | 2000 | 550 | 1400 | 200 | 295 |
| EN BG P1M 100-200-195 VC+J15 | 150 | DN200-F125 | 250 | 300 | 1" | 420 | 1761 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 100-200-195 PC+J15 | 150 | DN200-F125 | 250 | 300 | 1" | 420 | 1761 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 100-200-205 VC+J15 | 150 | DN200-F125 | 250 | 300 | 1" | 420 | 1761 | 1100 | 1600 | 400 | 1400 | 200 | 277 |
| EN BG P1M 100-200-214 VC+J3A | 150 | DN200-F125 | 250 | 300 | 1¼" | 420 | 1761 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1M 100-250-225 VC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" | 450 | 1791 | 1200 | 1800 | 450 | 1400 | 200 | 295 |
| EN BG P1M 100-250-235 VC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" | 450 | 1791 | 1200 | 2000 | 450 | 1400 | 200 | 295 |
| EN BG P1M 100-250-245 VC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" | 450 | 1791 | 1200 | 2000 | 450 | 1400 | 200 | 295 |
| EN BG P1M 100-250-255 IC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 555 | 1896 | 1400 | 2000 | 550 | 1400 | 200 | 295 |
| EN BG P1M 100-250-264 IC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 555 | 1896 | 1400 | 2000 | 550 | 1400 | 200 | 295 |
| EN BG P1M 100-315-291 IC+V18 | 150 | DN200-F125 | 250 | 250 | 1½" | 555 | 1931 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 100-315-RBC292 IS+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 555 | 1931 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 100-315-RBC296 IS+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 575 | 1951 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 100-315-RBC308 IS+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 575 | 1951 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 100-315-308 IC+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 555 | 1931 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 125-200-205 VC+J15 | 150 | DN200-F125 | 300 | 350 | 1" | 470 | 1881 | 1200 | 1800 | 450 | 1400 | 200 | 277 |
| EN BG P1M 125-200-214 VC+J15 | 150 | DN200-F125 | 350 | 350 | 1" | 470 | 1881 | 1200 | 2000 | 450 | 1400 | 200 | 277 |
| EN BG P1M 125-250-RC VS+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 470 | 1921 | 1200 | 2000 | 450 | 1400 | 200 | 295 |
| EN BG P1M 125-250-RB IS+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 555 | 2006 | 1400 | 2000 | 550 | 1400 | 200 | 295 |
| EN BG P1M 125-250-RAB IS+J3A | 150 | DN200-F125 | 350 | 350 | 1¼" | 575 | 2026 | 1400 | 2300 | 550 | 1400 | 200 | 295 |
| EN BG P1M 125-250-250 IC+V12 | 150 | DN200-F125 | 300 | 350 | 1½" | 555 | 2006 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 125-250-264 IC+V12 | 150 | DN200-F125 | 300 | 350 | 1½" | 555 | 2006 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 125-315-RBC287 IS+V12 | 150 | DN200-F125 | 300 | 350 | 1½" | 585 | 2036 | 1400 | 2000 | 550 | 1400 | 200 | 181 |
| EN BG P1M 125-315-RCD295 IS+V18 | 150 | DN200-F125 | 300 | 350 | 1½" | 595 | 2046 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 125-250-278 IC+V18 | 150 | DN200-F125 | 350 | 400 | 1½" | 575 | 2026 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 125-315-RBC302 IS+V18 | 150 | DN200-F125 | 300 | 350 | 1½" | 595 | 2046 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RC257 IS+V12 | 200 | DN250-F200 | 400 | 400 | 1½" | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RC266 IS+V12 | 200 | DN250-F200 | 400 | 400 | 1½" | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RCD280 IS+V12 | 200 | DN250-F200 | 300 | 350 | 1½" | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RC290 IS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RBC284 IS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 595 | 2252 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RBC290 IS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RAB310 IS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 1400 | 2300 | 550 | 1400 | 200 | 181 |
| EN BG P1M 150-315-RAB315 IS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 1400 | 2300 | 550 | 1400 | 200 | 181 |

# IDROFIRE **BG PEM**

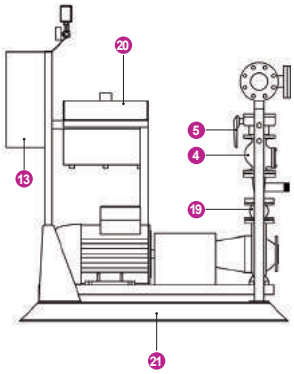
## N.1 ELETTROPOMPA DI SERVIZIO + N.1 MOTOPOMPA DI RISERVA + PILOTA
## NR.1 MAIN ELECTRIC PUMP + NR.1 BACKUP DIESEL MOTOR PUMP + JOCKEY PUMP

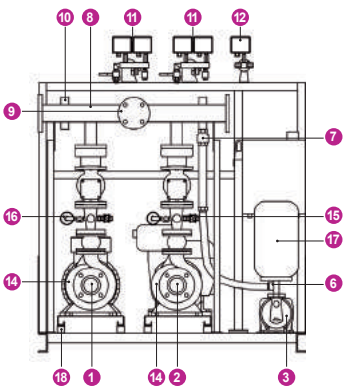


## ELENCO COMPONENTI
## COMPONENT LIST

1. Elettropompa di servizio accoppiata mediante giunto spaziatore completo di protezione coprigiunto
2. Motopompa Diesel di riserva accoppiata mediante giunto spaziatore completo di protezione coprigiunto
3. Elettropompa pilota
4. Valvola di ritegno a clapet
5. Valvola di intercettazione lucchettabile
6. Valvola di ritegno
7. Valvola di intercettazione a sfera con leva
8. Collettore di mandata reversibile completo di flangia cieca
9. Derivazione per collettore di prova di portata
10. Predisposizione per kit sprinkler
11. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
12. Kit avviamento per pompa pilota composto da 1 pres sostato con pulsante di prova integrato, 1 manometro
13. Quadri elettrici di comando (uno per ogni pompa)
14. Mano-vuotometro con porta-manometro e rubinetto provvisto di flangia per controllo
15. Kit diaframma di ricircolo completo di indicatore visivo di flusso
16. Manometro 0-16 bar
17. Serbatoio Autoclave 24 lt PN16
18. Giunti antivibranti in gomma
19. Giunto di compensazione in gomma
20. Serbatoio gasolio per motore Diesel
21. Telaio

1. Main electric pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
2. Backup Diesel engine pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
3. Jockey electric pump
4. Swing Check Valve (“Clapet” Valve)
5. Shut-off valve lockable
6. Check valve
7. Ball valve with level
8. Reversible delivery manifold with blind flange
9. Shunt for flow meter
10. Predisposition for sprinkler kit
11. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
12. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
13. Electrical control panels (one for each pump)
14. Vacuum gauge with gauge holder and cock fitted with flange for control
15. Kit recycling diaphragm complete with visual flow indicator
16. Pressure gauge 0-16 bar
17. Diaphragm pressure vessel 24LT PN16
18. Rubber anti-vibration joints
19. Rubber strain neutralizer
20. Fuel tank for diesel engine
21. Frame



# IDROFIRE BG PEM

## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **MOTORE ELETTRICO** | | **MOTORE DIESEL** | | | **ELETTROPOMPA PILOTA** | | **KIT FLUSSIMETRO** | **KIT SOTTOBATTENTE** pompa principale / pompa pilota | | **KIT SOPRABATTENTE** pompa principale |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | ELECTRIC ENGINE | | DIESEL ENGINE | | | JOCKEY PUMP | | FLOW METER KIT | POSITIVE HEAD KIT | | SUCTION LIFT KIT |
| | | | | | | | | | main pump | jockey pump | main pump |
| BG PEM | mod. | kW | mod. | kW NA | kW NB | mod. | kW | mod. | mod. | DN | mod. |
| EN BG PEM 32-200-NC ELS+J15 | 112MA | 4 | 15LD350 | 4,2 | 4,6 | J15 | 1,1 | CM50-V50 | P50-S65 | 1” | 50x80 |
| EN BG PEM 32-200-NB ELS+J15 | 132SA | 5,5 | 15LD440 | 6,2 | 6,7 | J15 | 1,1 | CM50-V50 | P50-S65 | 1” | 50x80 |
| EN BG PEM 32-200-NA ELS+J15 | 132SB | 7,5 | 15LD500 | 7,1 | 7,8 | J15 | 1,1 | CM50-V50 | P50-S80 | 1” | 50x80 |
| EN BG PEM 32-250-E ELS+J3A | 160MA | 11 | 12LD477/2 | 13,6 | 15 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG PEM 32-250-225 ELC+J15 | 160MB | 15 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM50-V50 | P50-S80 | 1” | 50x100 |
| EN BG PEM 32-250-235 ELC+J3A | 160MB | 15 | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG PEM 32-250-245 ELC+J3A | 160L | 18,5 | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG PEM 32-250-B EPS+J3A | 180M | 22 | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼” | 50x100 |
| EN BG PEM 32-250-255 ELC+J3A | 160L | 18,5 | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG PEM 32-250-264 EPC+J3A | 160L | 18,5 | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM50-V50 | P50-S80 | 1¼” | 50x100 |
| EN BG PEM 32-250-A ELS+J3A | 180M | 22 | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM50-V50 | P50-S100 | 1¼” | 50x100 |
| EN BG PEM 40-200-185 ELC+J15 | 132SB | 7,5 | 15LD500 | 7,1 | 7,8 | J15 | 1,1 | CM50-V50 | P65-S80 | 1” | 65x100 |
| EN BG PEM 40-200-195 ELC+J15 | 132M | 9 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM50-V50 | P65-S80 | 1” | 65x100 |
| EN BG PEM 40-200-205 ELC+J15 | 160MA | 11 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM50-V50 | P65-S100 | 1” | 65x100 |
| EN BG PEM 40-200-214 ELC+J15 | 160MA | 11 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM50-V50 | P65-S100 | 1” | 65x100 |
| EN BG PEM 40-200-NA ELS+J3A | 160MA | 11 | 12LD477/2 | 13,6 | 15 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x100 |
| EN BG PEM 40-250-225 ELC+J15 | 160MB | 15 | 9LD625/2 | 17,6 | 18,9 | J15 | 1,1 | CM65-V50 | P65-S100 | 1” | 65x125 |
| EN BG PEM 40-250-235 ELC+J3A | 160L | 18,5 | 9LD625/2 | 17,6 | 18,9 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG PEM 40-250-245 EPC+J3A | 180M | 22 | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG PEM 40-250-255 EPC+J3A | 180M | 22 | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG PEM 40-250-264 ELC+J3A | 180M | 22 | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG PEM 40-250-264 EPC+J3A | 180M | 22 | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65-V50 | P65-S100 | 1¼” | 65x125 |
| EN BG PEM 40-315-RB300 EVS+V18 | 225M | 45 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½” | 65x125 |
| EN BG PEM 40-315-RAB308 EVS+V18 | 225M | 45 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½” | 65x125 |
| EN BG PEM 40-315-RAB315 EVS+V18 | 250M | 55 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65 - V50 | P65-S100 | 1½” | 65x125 |
| EN BG PEM 50-160-174 ELC+J15 | 160MB | 15 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM65 - V50 | P65-S150 | 1” | 65x150 |
| EN BG PEM 50-200-185 ELC+J15 | 160MA | 11 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM65-V50 | P65-S125 | 1” | 65x125 |
| EN BG PEM 50-200-195 ELC+J15 | 160MB | 15 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM65-V50 | P65-S125 | 1” | 65x125 |
| EN BG PEM 50-200-C ELS+J15 | 160MA | 11 | 25LD425 | 10,4 | 11,5 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1” | 65x125 |
| EN BG PEM 50-200-B ELS+J15 | 160MA | 11 | 12LD477/2 | 13,6 | 15 | J15 | 1,1 | CM65 - V50 | P65-S100 | 1” | 65x125 |
| EN BG PEM 50-200-205 ELC+J15 | 160MB | 15 | 9LD625/2 | 17,6 | 18,9 | J15 | 1,1 | CM65-V50 | P65-S125 | 1” | 65x125 |
| EN BG PEM 50-200-A ELS+J3A | 160MB | 15 | 12LD477/2 | 13,6 | 15 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-200-214 ELC+J15 | 160L | 18,5 | 9LD625/2 | 17,6 | 18,9 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1” | 65x125 |
| EN BG PEM 50-200-NB EPS+J15 | 160L | 18,5 | LPW 3-09 | 20,1 | 22,1 | J15 | 1,1 | CM65 - V50 | P65-S125 | 1” | 65x150 |
| EN BG PEM 50-200-NA ELS+J3A | 180M | 22 | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼” | 65x150 |
| EN BG PEM 50-200-NA EPS+J3A | 180M | 22 | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼” | 65x150 |
| EN BG PEM 50-250-225 EPC+J3A | 160L | 18,5 | LPW 3-09 | 20,1 | 22,1 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-235 ELC+J3A | 180M | 22 | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-235 EPC+J3A | 180M | 22 | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65-V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-245 ELC+J3A | 200LA | 30 | 11LD626/3 | 24 | 26 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-245 EPC+J3A | 200LA | 30 | LPW 4-09 | 26,8 | 29,5 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-255 EVC+J3A | 200LA | 30 | D703LE0 | 33 | 37 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-264 EVC+J3A | 200LA | 30 | D703LE0 | 33 | 37 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-264 EPC+J3A | 200LA | 30 | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM65 - V50 | P65-S125 | 1¼” | 65x125 |
| EN BG PEM 50-250-NA EVS+J3A | 200LB | 37 | D703LE0 | 33 | 37 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼” | 65x150 |
| EN BG PEM 50-250-NA EPS+J3A | 200LB | 37 | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM65 - V50 | P65-S150 | 1¼” | 65x150 |
| EN BG PEM 50-315-274 EVC+V12 | 225M | 45 | D703LTE0 | 48 | 53 | V12 | 1,5 | CM65-V50 | P80-S125 | 1½” | 80x125 |
| EN BG PEM 50-315-291 EVC+V18 | 250M | 55 | D703LTE0 | 48 | 53 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½” | 80x125 |
| EN BG PEM 50-315-308 EVC+V18 | 280S | 75 | D754TPE2 | 65 | 73 | V18 | 2,2 | CM65-V50 | P80-S125 | 1½” | 80x125 |
| EN BG PEM 65-200-185 EPC+J15 | 180M | 22 | LPW 3-09 | 20,1 | 22,1 | J15 | 1,1 | CM100-V80 | P80-S200 | 1” | 80x200 |
| EN BG PEM 65-200-NA EVS+J3A | 200LA | 30 | D703LE0 | 33 | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼” | 80x200 |
| EN BG PEM 65-200-195 ELC+J15 | 200LA | 30 | 11LD626/3 | 24 | 26 | J15 | 1,1 | CM100-V80 | P80-S200 | 1” | 80x200 |
| EN BG PEM 65-200-195 EPC+J15 | 200LA | 30 | LPW 4-09 | 26,8 | 29,5 | J15 | 1,1 | CM100-V80 | P80-S200 | 1” | 80x200 |
| EN BG PEM 65-200-205 EPC+J15 | 200LA | 30 | LPW 4-09 | 26,8 | 29,5 | J15 | 1,1 | CM100-V80 | P80-S200 | 1” | 80x200 |
| EN BG PEM 65-200-214 EVC+J3A | 200LB | 37 | D703LE0 | 33 | 37 | J3A | 2,2 | CM100-V100 | P80-S200 | 1¼” | 80x200 |
| EN BG PEM 65-200-214 EPC+J3A | 200LB | 37 | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM100-V100 | P80-S200 | 1¼” | 80x200 |
| EN BG PEM 65-250-225 EVC+J3A | 200LB | 37 | D703LE0 | 33 | 37 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼” | 80x200 |
| EN BG PEM 65-250-225 EPC+J3A | 200LB | 37 | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼” | 80x200 |

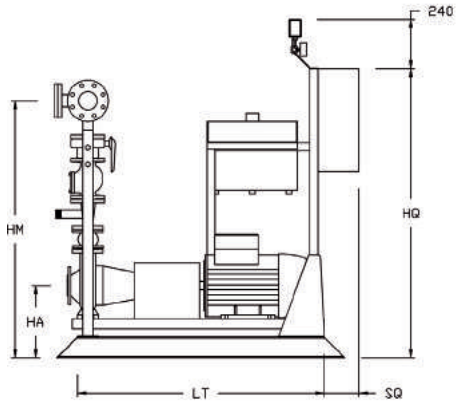
# IDROFIRE BG PEM

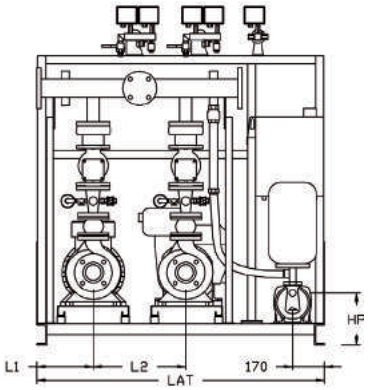
## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **MOTORE ELETTRICO** | | **MOTORE DIESEL** | | | **ELETTROPOMPA PILOTA** | | **KIT FLUSSIMETRO** | **KIT SOTTOBATTENTE** pompa principale / pompa pilota | | **KIT SOPRABATTENTE** pompa principale |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | ELECTRIC ENGINE | | DIESEL ENGINE | | | JOCKEY PUMP | | FLOW METER KIT | POSITIVE HEAD KIT main pump / jockey pump | | SUCTION LIFT KIT main pump |
| BG PEM | mod. | kW | mod. | kW NA | kW NB | mod. | kW | mod. | mod. | DN | mod. |
| EN BG PEM 65-250-NB EVS+J3A | 200LB | 37 | D703LE0 | 33 | 37 | J3A | 2,2 | CM80-V80 | P80-S150 | 1¼" | 80x150 |
| EN BG PEM 65-250-NB EPS+J3A | 200LB | 37 | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM80-V80 | P80-S150 | 1¼" | 80x150 |
| EN BG PEM 65-250-235 EVC+J3A | 200LB | 37 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG PEM 65-250-235 EPC+J3A | 200LB | 37 | LPWT 4-09 | 37,5 | 40,2 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG PEM 65-250-245 EVC+J3A | 225M | 45 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG PEM 65-250-255 EVC+J3A | 250M | 55 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG PEM 65-250-N0A EVS+J3A | 225M | 45 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG PEM 65-250-264 EVC+J3A | 250M | 55 | D754TPE2 | 65 | 73 | J3A | 2,2 | CM100-V80 | P80-S200 | 1¼" | 80x200 |
| EN BG PEM 65-250-N0 EVS+J3A | 250M | 55 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V80 | P80-S150 | 1¼" | 80x200 |
| EN BG PEM 65-315-RCD273 EVS+V12 | 250M | 55 | D754TPE2 | 65 | 73 | V12 | 1,5 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG PEM 65-315-RBC282 EVS+V18 | 280S | 75 | D754TPE2 | 65 | 73 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG PEM 65-315-291 EVC+V18 | 280M | 90 | D756IPE2 | 100 | 110 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG PEM 65-315-308 EIC+V18 | 315S | 110 | N45 MNT F41 | 130,5 | 145 | V18 | 2,2 | CM100-V80 | P80-S200 | 1½" | 80x200 |
| EN BG PEM 80-200-195 EVC+J15 | 200LA | 30 | D703LE0 | 33 | 37 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG PEM 80-200-195 EPC+J15 | 200LA | 30 | LPWT 4-09 | 37,5 | 40,2 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG PEM 80-200-205 EVC+J15 | 200LB | 37 | D703LTE0 | 48 | 53 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG PEM 80-200-205 EPC+J15 | 200LB | 37 | LPWT 4-09 | 37,5 | 40,2 | J15 | 1,1 | CM125-V100 | P100-S250 | 1" | 100x250 |
| EN BG PEM 80-200-214 EVC+J3A | 225M | 45 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG PEM 80-250-225 EVC+J3A | 225M | 45 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM100-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG PEM 80-250-235 EVC+J3A | 250M | 55 | D703LTE0 | 48 | 53 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG PEM 80-250-245 EVC+J3A | 250M | 55 | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG PEM 80-250-255 EVC+J3A | 280S | 75 | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V100 | P100-S250 | 1¼" | 100x250 |
| EN BG PEM 80-250-264 EVC+J3A | 280S | 75 | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P100-S250 | 1¼" | 100x250 |
| EN BG PEM 80-250-A EVS+J3A | 315S | 110 | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V100 | P100-S200 | 1¼" | 100x250 |
| EN BG PEM 100-200-195 EVC+J15 | 200LB | 37 | D703LTE0 | 48 | 53 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG PEM 100-200-195 EPC+J15 | 200LB | 37 | LPWT 4-09 | 37,5 | 40,2 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG PEM 100-200-205 EVC+J15 | 250M | 55 | D703LTE0 | 48 | 53 | J15 | 1,1 | CM125-V125 | P125-S250 | 1" | 125x300 |
| EN BG PEM 100-200-214 EVC+J3A | 250M | 55 | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V125 | P125-S250 | 1¼" | 125x300 |
| EN BG PEM 100-250-225 EVC+J3A | 280S | 75 | D754TPE2 | 65 | 73 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG PEM 100-250-235 EVC+J3A | 280S | 75 | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG PEM 100-250-245 EVC+J3A | 280M | 90 | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x300 |
| EN BG PEM 100-250-255 EIC+J3A | 315S | 110 | N45 MNT F41 | 130,5 | 145 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG PEM 100-250-264 EIC+J3A | 315MA | 132 | N45 MNT F41 | 130,5 | 145 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 125x350 |
| EN BG PEM 100-315-291 EIC+V18 | 315S | 110 | N45 MNT F41 | 130,5 | 145 | V18 | 2,2 | CM125-V125 | P150-S250 | 1½" | 150x250 |
| EN BG PEM 100-315-RBC292 EIS+V18 | 315MA | 132 | N45 MNT F41 | 130,5 | 145 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG PEM 100-315-RBC296 EIS+V18 | 315MB | 160 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG PEM 100-315-RBC308 EIS+V18 | 315MB | 160 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P125-S300 | 1½" | 125x300 |
| EN BG PEM 100-315-308 EIC+V18 | 315MA | 132 | N45 MNT F41 | 130,5 | 145 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x300 |
| EN BG PEM 125-200-205 EVC+J15 | 280S | 75 | D754TPE2 | 65 | 73 | J15 | 1,1 | CM200-V200 | P150-S300 | 1" | 150x350 |
| EN BG PEM 125-200-214 EVC+J15 | 280S | 75 | D756IPE2 | 100 | 110 | J15 | 1,1 | CM200-V200 | P150-S350 | 1" | 150x350 |
| EN BG PEM 125-250-RC EVS+J3A | 280M | 90 | D756IPE2 | 100 | 110 | J3A | 2,2 | CM125-V125 | P125-S300 | 1¼" | 150x350 |
| EN BG PEM 125-250-RB EIS+J3A | 315MA | 132 | N45 MNT F41 | 130,5 | 145 | J3A | 2,2 | CM150-V125 | P150-S300 | 1¼" | 150x350 |
| EN BG PEM 125-250-RAB EIS+J3A | 315MB | 160 | N67 MNT F42 | 178 | 197 | J3A | 2,2 | CM150-V125 | P150-S350 | 1¼" | 150x350 |
| EN BG PEM 125-250-250 EIC+V12 | 315MA | 132 | N45 MNT F41 | 130,5 | 145 | V12 | 1,1 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG PEM 125-250-264 EIC+V12 | 315MA | 132 | N45 MNT F41 | 130,5 | 145 | V12 | 1,1 | CM200-V200 | P150-S300 | 1½" | 150x350 |
| EN BG PEM 125-315-RBC287 EIS+V12 | 315MB | 160 | N67 MNT F42 | 178 | 197 | V12 | 1,5 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG PEM 125-315-RCD295 EIS+V18 | 315MB | 160 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG PEM 125-250-278 EIC+V18 | 315L | 200 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM200-V200 | P150-S350 | 1½" | 150x400 |
| EN BG PEM 125-315-RBC302 EIS+V18 | 315L | 200 | N67 MNT F42 | 178 | 197 | V18 | 2,2 | CM125-V125 | P150-S300 | 1½" | 150x350 |
| EN BG PEM 150-315-RC257 EIS+V12 | 315MB | 160 | N67 MNT F42 | 178 | 197 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG PEM 150-315-RC266 EIS+V12 | 315MB | 160 | N67 MNT F42 | 178 | 197 | V12 | 1,5 | CM200-V200 | P200-S400 | 1½" | 200x400 |
| EN BG PEM 150-315-RCD280 EIS+V12 | 315L | 200 | N67 MNT F42 | 200 | 222 | V12 | 1,5 | CM200-V200 | P200-S300 | 1½" | 200x350 |
| EN BG PEM 150-315-RC290 EIS+V18 | 355MB | 250 | N67 MNT F40 | 227 | 246 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG PEM 150-315-RBC284 EIS+V18 | 315L | 200 | N67 MNT F42 | 200 | 222 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG PEM 150-315-RBC290 EIS+V18 | 355MB | 250 | N67 MNT F40 | 227 | 246 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG PEM 150-315-RAB310 EIS+V18 | 355LB | 315 | N60 ENTF 40 | 282 | 295 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |
| EN BG PEM 150-315-RAB315 EIS+V18 | 355LB | 315 | N60 ENTF 40 | 282 | 295 | V18 | 2,2 | CM200-V200 | P200-S400 | 1½" | 200x450 |

# IDROFIRE BG PEM

## **DIMENSIONI** DIMENSION

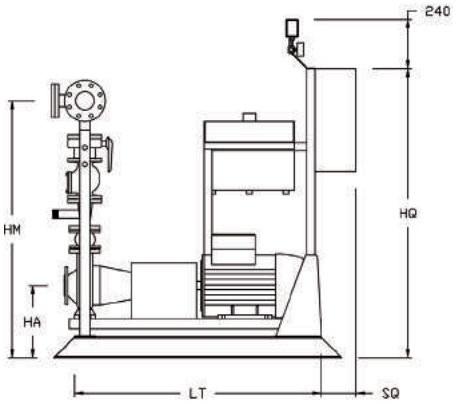


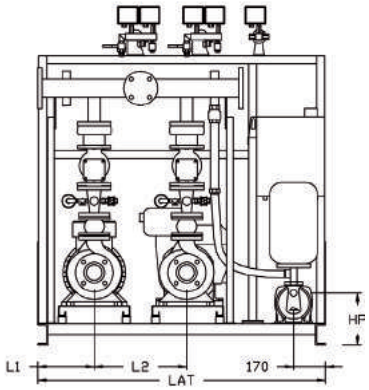




| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | | |
| BG PEM | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG PEM 32-200-NC ELS+J15 | 40 | DN80-F50 | 65 | 80 | 1" | 370 | 1243 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 32-200-NB ELS+J15 | 40 | DN80-F50 | 65 | 80 | 1" | 370 | 1243 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 32-200-NA ELS+J15 | 40 | DN80-F50 | 80 | 80 | 1" | 370 | 1243 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 32-250-E ELS+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG PEM 32-250-225 ELC+J15 | 40 | DN80-F50 | 80 | 100 | 1" | 390 | 1308 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 32-250-235 ELC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG PEM 32-250-245 ELC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG PEM 32-250-B EPS+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" | 390 | 1338 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 32-250-255 ELC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG PEM 32-250-264 EPC+J3A | 40 | DN80-F50 | 80 | 100 | 1¼" | 390 | 1308 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 32-250-A ELS+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" | 434 | 1382 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 40-200-185 ELC+J15 | 50 | DN80-F50 | 80 | 100 | 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 40-200-195 ELC+J15 | 50 | DN80-F50 | 80 | 100 | 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 40-200-205 ELC+J15 | 50 | DN80-F50 | 100 | 100 | 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 40-200-214 ELC+J15 | 50 | DN80-F50 | 100 | 100 | 1" | 370 | 1273 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 40-200-NA ELS+J3A | 50 | DN80-F50 | 100 | 100 | 1¼" | 395 | 1298 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG PEM 40-250-225 ELC+J15 | 50 | DN80-F50 | 100 | 125 | 1" | 390 | 1338 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG PEM 40-250-235 ELC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 390 | 1338 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 295 |
| EN BG PEM 40-250-245 EPC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 390 | 1338 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 40-250-255 EPC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 390 | 1338 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 40-250-264 ELC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 434 | 1382 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 40-250-264 EPC+J3A | 50 | DN80-F50 | 100 | 125 | 1¼" | 400 | 1348 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 40-315-RB300 EVS+V18 | 65 | DN80-F50 | 100 | 125 | 1½" | 445 | 1461 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 181 |
| EN BG PEM 40-315-RAB308 EVS+V18 | 65 | DN80-F50 | 100 | 125 | 1½" | 445 | 1461 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 181 |
| EN BG PEM 40-315-RAB315 EVS+V18 | 65 | DN80-F50 | 100 | 125 | 1½" | 445 | 1461 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 181 |
| EN BG PEM 50-160-174 ELC+J15 | 65 | DN80-F50 | 150 | 150 | 1" | 395 | 1351 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 50-200-185 ELC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 370 | 1346 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 50-200-195 ELC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 395 | 1371 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 50-200-C ELS+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 370 | 1346 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 50-200-B ELS+J15 | 65 | DN80-F50 | 100 | 125 | 1" | 395 | 1371 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 277 |
| EN BG PEM 50-200-205 ELC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 388 | 1364 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG PEM 50-200-A ELS+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 395 | 1371 | 1400 | 1100 | 300 | 500 | 1400 | 200 | 295 |
| EN BG PEM 50-200-214 ELC+J15 | 65 | DN80-F50 | 125 | 125 | 1" | 388 | 1364 | 1500 | 1300 | 350 | 500 | 1400 | 200 | 277 |
| EN BG PEM 50-200-NB EPS+J15 | 65 | DN80-F50 | 125 | 150 | 1" | 380 | 1356 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 50-200-NA ELS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 434 | 1410 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-200-NA EPS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 390 | 1366 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-250-225 EPC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 390 | 1391 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-250-235 ELC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 434 | 1435 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-250-235 EPC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |

# IDROFIRE BG PEM

## **DIMENSIONI** DIMENSION

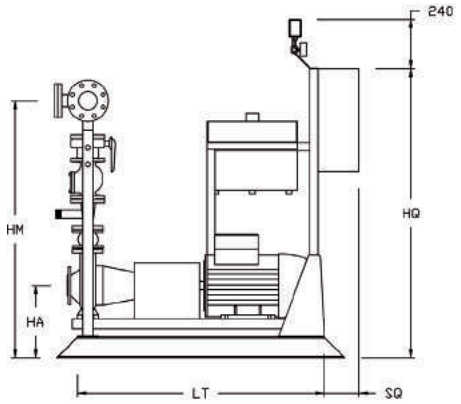


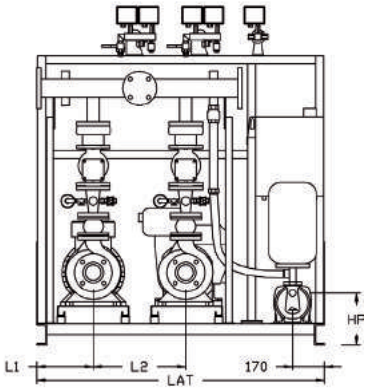




| MODELLO GRUPPO | MANDATA KIT VLV | MANDATA collettore | ASPIRAZIONE STB | ASPIRAZIONE STB | PILOTA | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | DELIVERY manifold | SUCTION posit. head | SUCTION posit. head | JOCKEY PUMP | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
| BG PEM | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG PEM 50-250-245 ELC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 434 | 1435 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-250-245 EPC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-250-255 EVC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 50-250-264 EVC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 50-250-264 EPC+J3A | 65 | DN80-F50 | 125 | 125 | 1¼" | 400 | 1401 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-250-NA EVS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 400 | 1401 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 50-250-NA EPS+J3A | 65 | DN80-F50 | 150 | 150 | 1¼" | 400 | 1401 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 50-315-274 EVC+V12 | 65 | DN80-F50 | 125 | 125 | 1½" | 445 | 1501 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 181 |
| EN BG PEM 50-315-291 EVC+V18 | 65 | DN80-F50 | 125 | 125 | 1½" | 445 | 1501 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 181 |
| EN BG PEM 50-315-308 EVC+V18 | 65 | DN80-F50 | 125 | 125 | 1½" | 450 | 1506 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 181 |
| EN BG PEM 65-200-185 EPC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 390 | 1512 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 65-200-NA EVS+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 400 | 1522 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-200-195 ELC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 434 | 1556 | 1600 | 1400 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 65-200-195 EPC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 400 | 1522 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 65-200-205 EPC+J15 | 100 | DN125-F80 | 200 | 200 | 1" | 400 | 1522 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 65-200-214 EVC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 400 | 1522 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-200-214 EPC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 400 | 1522 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 65-250-225 EVC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-250-225 EPC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 65-250-NB EVS+J3A | 80 | DN100-F80 | 150 | 150 | 1¼" | 420 | 1488 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-250-NB EPS+J3A | 80 | DN100-F80 | 150 | 150 | 1¼" | 420 | 1488 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 65-250-235 EVC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-250-235 EPC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 295 |
| EN BG PEM 65-250-245 EVC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-250-255 EVC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-250-N0A EVS+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-250-264 EVC+J3A | 100 | DN125-F80 | 200 | 200 | 1¼" | 420 | 1567 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-250-N0 EVS+J3A | 100 | DN125-F80 | 150 | 200 | 1¼" | 420 | 1567 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 65-315-RCD273 EVS+V12 | 100 | DN125-F80 | 200 | 200 | 1½" | 445 | 1622 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 181 |
| EN BG PEM 65-315-RBC282 EVS+V18 | 100 | DN125-F80 | 200 | 200 | 1½" | 450 | 1627 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 181 |
| EN BG PEM 65-315-291 EVC+V18 | 100 | DN125-F80 | 200 | 200 | 1½" | 450 | 1627 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 181 |
| EN BG PEM 65-315-308 EIC+V18 | 100 | DN125-F80 | 200 | 200 | 1½" | 555 | 1732 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 80-200-195 EVC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 277 |
| EN BG PEM 80-200-195 EPC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 80-200-205 EVC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 277 |
| EN BG PEM 80-200-205 EPC+J15 | 125 | DN150-F100 | 250 | 250 | 1" | 400 | 1630 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 80-200-214 EVC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 400 | 1630 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 80-250-225 EVC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" | 420 | 1680 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 80-250-235 EVC+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" | 420 | 1680 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |

# IDROFIRE BG PEM

## **DIMENSIONI** DIMENSION

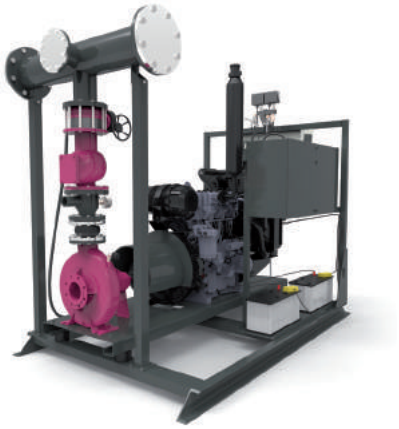



| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | PILOTA | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | JOCKEY PUMP | HA | HM | LAT | LT | L1 | L2 | HQ | SQ | HP |
| | valves kit | manifold | posit. head | posit. head | | | | | | | | | | |
| BG PEM | DN | DN | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| EN BG PEM 80-250-245 EVC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 420 | 1680 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 80-250-255 EVC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 450 | 1710 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 295 |
| EN BG PEM 80-250-264 EVC+J3A | 125 | DN150-F100 | 250 | 250 | 1¼" | 450 | 1710 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 295 |
| EN BG PEM 80-250-A EVS+J3A | 125 | DN150-F100 | 200 | 250 | 1¼" | 555 | 1815 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG PEM 100-200-195 EVC+J15 | 150 | DN200-F125 | 250 | 300 | 1" | 420 | 1761 | 1900 | 1600 | 450 | 700 | 1400 | 200 | 277 |
| EN BG PEM 100-200-195 EPC+J15 | 150 | DN200-F125 | 250 | 300 | 1" | 420 | 1761 | 1600 | 1600 | 375 | 550 | 1400 | 200 | 277 |
| EN BG PEM 100-200-205 EVC+J15 | 150 | DN200-F125 | 250 | 300 | 1" | 420 | 1761 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 277 |
| EN BG PEM 100-200-214 EVC+J3A | 150 | DN200-F125 | 250 | 300 | 1¼" | 420 | 1761 | 1900 | 1800 | 450 | 700 | 1400 | 200 | 295 |
| EN BG PEM 100-250-225 EVC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" | 450 | 1791 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 295 |
| EN BG PEM 100-250-235 EVC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" | 450 | 1791 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 295 |
| EN BG PEM 100-250-245 EVC+J3A | 150 | DN200-F125 | 300 | 300 | 1¼" | 450 | 1791 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 295 |
| EN BG PEM 100-250-255 EIC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 555 | 1896 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG PEM 100-250-264 EIC+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 555 | 1896 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG PEM 100-315-291 EIC+V18 | 150 | DN200-F125 | 250 | 250 | 1½" | 555 | 1931 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 100-315-RBC292 EIS+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 555 | 1931 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 100-315-RBC296 EIS+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 575 | 1951 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 100-315-RBC308 EIS+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 575 | 1951 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 100-315-308 EIC+V18 | 150 | DN200-F125 | 300 | 300 | 1½" | 555 | 1931 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 125-200-205 EVC+J15 | 150 | DN200-F125 | 300 | 350 | 1" | 470 | 1881 | 1900 | 1800 | 450 | 700 | 1400 | 300 | 277 |
| EN BG PEM 125-200-214 EVC+J15 | 150 | DN200-F125 | 350 | 350 | 1" | 470 | 1881 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 277 |
| EN BG PEM 125-250-RC EVS+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 470 | 1921 | 2000 | 2000 | 475 | 750 | 1400 | 300 | 295 |
| EN BG PEM 125-250-RB EIS+J3A | 150 | DN200-F125 | 300 | 350 | 1¼" | 555 | 2006 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG PEM 125-250-RAB EIS+J3A | 150 | DN200-F125 | 350 | 350 | 1¼" | 575 | 2026 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 295 |
| EN BG PEM 125-250-250 EIC+V12 | 150 | DN200-F125 | 300 | 350 | 1½" | 555 | 2006 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 125-250-264 EIC+V12 | 150 | DN200-F125 | 300 | 350 | 1½" | 555 | 2006 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 125-315-RBC287 EIS+V12 | 150 | DN200-F125 | 300 | 350 | 1½" | 585 | 2036 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 125-315-RCD295 EIS+V18 | 150 | DN200-F125 | 300 | 350 | 1½" | 595 | 2046 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 125-250-278 EIC+V18 | 150 | DN200-F125 | 350 | 400 | 1½" | 575 | 2026 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 125-315-RBC302 EIS+V18 | 150 | DN200-F125 | 300 | 350 | 1½" | 595 | 2046 | 2200 | 2300 | 525 | 850 | 1400 | 370 | 181 |
| EN BG PEM 150-315-RC257 EIS+V12 | 200 | DN250-F200 | 400 | 400 | 1½" | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 150-315-RC266 EIS+V12 | 200 | DN250-F200 | 400 | 400 | 1½" | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 300 | 181 |
| EN BG PEM 150-315-RCD280 EIS+V12 | 200 | DN250-F200 | 300 | 350 | 1½" | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 370 | 181 |
| EN BG PEM 150-315-RC290 EIS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |
| EN BG PEM 150-315-RBC284 EIS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 595 | 2252 | 2200 | 2300 | 525 | 850 | 1400 | 370 | 181 |
| EN BG PEM 150-315-RBC290 EIS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |
| EN BG PEM 150-315-RAB310 EIS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |
| EN BG PEM 150-315-RAB315 EIS+V18 | 200 | DN250-F200 | 400 | 450 | 1½" | 635 | 2292 | 2500 | 2500 | 575 | 950 | 1400 | 370 | 181 |

# IDROFIRE **BG MTP**

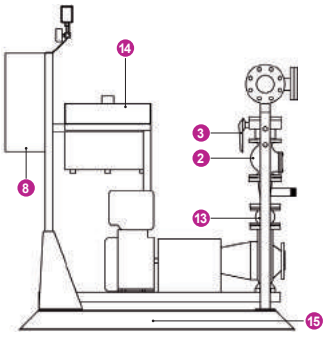
## N.1 MOTOPOMPA DI SERVIZIO (O DI RISERVA)
## NR.1 MAIN (OR BACKUP) DIESEL MOTOR PUMP

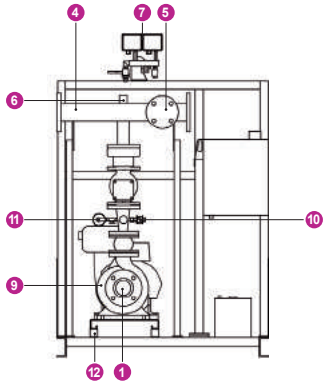


## ELENCO COMPONENTI
## COMPONENT LIST

1. Motopompa Diesel di servizio (o di riserva) accoppiata mediante giunto spaziatore completo di protezione coprigiunto
2. Valvola di ritegno a clapet
3. Valvola di intercettazione lucchettabile
4. Collettore di mandata reversibile completo di flangia cieca
5. Derivazione per collettore di prova di portata
6. Predisposizione per kit sprinkler
7. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
8. Quadri elettrici di comando (uno per ogni pompa)
9. Mano-vuotometro con porta-manometro e rubinetto provvisto di flangia per controllo
10. Kit diaframma di ricircolo completo di indicatore visivo di flusso
11. Manometro 0-16 bar
12. Giunti antivibranti in gomma
13. Giunto di compensazione in gomma
14. Serbatoio gasolio per motore Diesel
15. Telaio

1. Main (or backup) Diesel engine pump coupled with coupling joint between motor and pump with spacing protected by carter butt strap
2. Swing Check Valve (“Clapet” Valve)
3. Shut-off valve lockable
4. Reversible delivery manifold with blind flange
5. Shunt for flow meter
6. Predisposition for sprinkler kit
7. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
8. Electrical control panels (one for each pump)
9. Vacuum gauge with gauge holder and cock fitted with flange for control
10. Kit recycling diaphragm complete with visual flow indicator
11. Pressure gauge 0-16 bar
12. Rubber anti-vibration joints
13. Rubber strain neutralizer
14. Fuel tank for diesel engine
15. Frame



# IDROFIRE BG MTP

## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO**<br>MODEL GROUP | **MOTORE DIESEL**<br>DIESEL ENGINE | | | **KIT FLUSSIMETRO**<br>FLOW METER KIT | **KIT SOTTOBATTENTE** pompa principale<br>POSITIVE HEAD KIT main pump | **KIT SOPRABATTENTE** pompa principale<br>SUCTION LIFT KIT main pump |
|---|---|---|---|---|---|---|
| BG MTP | mod. | kW NA | kW NB | mod. | mod. | mod. |
| **EN BG MTP 32-200-NC LS** | 15LD350 | 4,2 | 4,6 | CM50-V50 | P50-S65 | 50x80 |
| **EN BG MTP 32-200-NB LS** | 15LD440 | 6,2 | 6,7 | CM50-V50 | P50-S65 | 50x80 |
| **EN BG MTP 32-200-NA LS** | 15LD500 | 7,1 | 7,8 | CM50-V50 | P50-S80 | 50x80 |
| **EN BG MTP 32-250-E LS** | 12LD477/2 | 13,6 | 15 | CM50-V50 | P50-S80 | 50x100 |
| **EN BG MTP 32-250-225 LC** | 12LD477/2 | 13,6 | 15 | CM50-V50 | P50-S80 | 50x100 |
| **EN BG MTP 32-250-235 LC** | 9LD625/2 | 17,6 | 18,9 | CM50-V50 | P50-S80 | 50x100 |
| **EN BG MTP 32-250-245 LC** | 9LD625/2 | 17,6 | 18,9 | CM50-V50 | P50-S80 | 50x100 |
| **EN BG MTP 32-250-B PS** | LPW 3-09 | 20,1 | 22,1 | CM50-V50 | P50-S100 | 50x100 |
| **EN BG MTP 32-250-255 LC** | 9LD625/2 | 17,6 | 18,9 | CM50-V50 | P50-S80 | 50x100 |
| **EN BG MTP 32-250-264 PC** | LPW 3-09 | 20,1 | 22,1 | CM50-V50 | P50-S80 | 50x100 |
| **EN BG MTP 32-250-A LS** | 11LD626/3 | 24 | 26 | CM50-V50 | P50-S100 | 50x100 |
| **EN BG MTP 40-200-185 LC** | 15LD500 | 7,1 | 7,8 | CM50-V50 | P65-S80 | 65x100 |
| **EN BG MTP 40-200-195 LC** | 25LD425 | 10,4 | 11,5 | CM50-V50 | P65-S80 | 65x100 |
| **EN BG MTP 40-200-205 LC** | 25LD425 | 10,4 | 11,5 | CM50-V50 | P65-S100 | 65x100 |
| **EN BG MTP 40-200-214 LC** | 25LD425 | 10,4 | 11,5 | CM50-V50 | P65-S100 | 65x100 |
| **EN BG MTP 40-200-NA LS** | 12LD477/2 | 13,6 | 15 | CM65-V50 | P65-S100 | 65x100 |
| **EN BG MTP 40-250-225 LC** | 9LD625/2 | 17,6 | 18,9 | CM65-V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-250-235 LC** | 9LD625/2 | 17,6 | 18,9 | CM65-V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-250-245 PC** | LPW 3-09 | 20,1 | 22,1 | CM65-V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-250-255 PC** | LPW 3-09 | 20,1 | 22,1 | CM65-V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-250-264 LC** | 11LD626/3 | 24 | 26 | CM65-V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-250-264 PC** | LPW 4-09 | 26,8 | 29,5 | CM65-V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-315-RB300 VS** | D703LTE0 | 48 | 53 | CM65 - V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-315-RAB308 VS** | D703LTE0 | 48 | 53 | CM65 - V50 | P65-S100 | 65x125 |
| **EN BG MTP 40-315-RAB315 VS** | D703LTE0 | 48 | 53 | CM65 - V50 | P65-S100 | 65x125 |
| **EN BG MTP 50-160-174 LC** | 12LD477/2 | 13,6 | 15 | CM65 - V50 | P65-S150 | 65x150 |
| **EN BG MTP 50-200-185 LC** | 25LD425 | 10,4 | 11,5 | CM65-V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-200-195 LC** | 12LD477/2 | 13,6 | 15 | CM65-V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-200-C LS** | 25LD425 | 10,4 | 11,5 | CM65 - V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-200-B LS** | 12LD477/2 | 13,6 | 15 | CM65 - V50 | P65-S100 | 65x125 |
| **EN BG MTP 50-200-205 LC** | 9LD625/2 | 17,6 | 18,9 | CM65-V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-200-A LS** | 12LD477/2 | 13,6 | 15 | CM65-V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-200-214 LC** | 9LD625/2 | 17,6 | 18,9 | CM65 - V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-200-NB PS** | LPW 3-09 | 20,1 | 22,1 | CM65 - V50 | P65-S125 | 65x150 |
| **EN BG MTP 50-200-NA LS** | 11LD626/3 | 24 | 26 | CM65 - V50 | P65-S150 | 65x150 |
| **EN BG MTP 50-200-NA PS** | LPW 4-09 | 26,8 | 29,5 | CM65 - V50 | P65-S150 | 65x150 |
| **EN BG MTP 50-250-225 PC** | LPW 3-09 | 20,1 | 22,1 | CM65-V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-235 LC** | 11LD626/3 | 24 | 26 | CM65-V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-235 PC** | LPW 4-09 | 26,8 | 29,5 | CM65-V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-245 LC** | 11LD626/3 | 24 | 26 | CM65 - V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-245 PC** | LPW 4-09 | 26,8 | 29,5 | CM65 - V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-255 VC** | D703LE0 | 33 | 37 | CM65 - V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-264 VC** | D703LE0 | 33 | 37 | CM65 - V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-264 PC** | LPWT 4-09 | 37,5 | 40,2 | CM65 - V50 | P65-S125 | 65x125 |
| **EN BG MTP 50-250-NA VS** | D703LE0 | 33 | 37 | CM65 - V50 | P65-S150 | 65x150 |
| **EN BG MTP 50-250-NA PS** | LPWT 4-09 | 37,5 | 40,2 | CM65 - V50 | P65-S150 | 65x150 |
| **EN BG MTP 50-315-274 VC** | D703LTE0 | 48 | 53 | CM65-V50 | P80-S125 | 80x125 |
| **EN BG MTP 50-315-291 VC** | D703LTE0 | 48 | 53 | CM65-V50 | P80-S125 | 80x125 |
| **EN BG MTP 50-315-308 VC** | D754TPE2 | 65 | 73 | CM65-V50 | P80-S125 | 80x125 |
| **EN BG MTP 65-200-185 PC** | LPW 3-09 | 20,1 | 22,1 | CM100-V80 | P80-S200 | 80x200 |
| **EN BG MTP 65-200-NA VS** | D703LE0 | 33 | 37 | CM100-V80 | P80-S200 | 80x200 |
| **EN BG MTP 65-200-195 LC** | 11LD626/3 | 24 | 26 | CM100-V80 | P80-S200 | 80x200 |
| **EN BG MTP 65-200-195 PC** | LPW 4-09 | 26,8 | 29,5 | CM100-V80 | P80-S200 | 80x200 |
| **EN BG MTP 65-200-205 PC** | LPW 4-09 | 26,8 | 29,5 | CM100-V80 | P80-S200 | 80x200 |
| **EN BG MTP 65-200-214 VC** | D703LE0 | 33 | 37 | CM100-V100 | P80-S200 | 80x200 |
| **EN BG MTP 65-200-214 PC** | LPWT 4-09 | 37,5 | 40,2 | CM100-V100 | P80-S200 | 80x200 |
| **EN BG MTP 65-250-225 VC** | D703LE0 | 33 | 37 | CM100-V80 | P80-S200 | 80x200 |
| **EN BG MTP 65-250-225 PC** | LPWT 4-09 | 37,5 | 40,2 | CM100-V80 | P80-S200 | 80x200 |

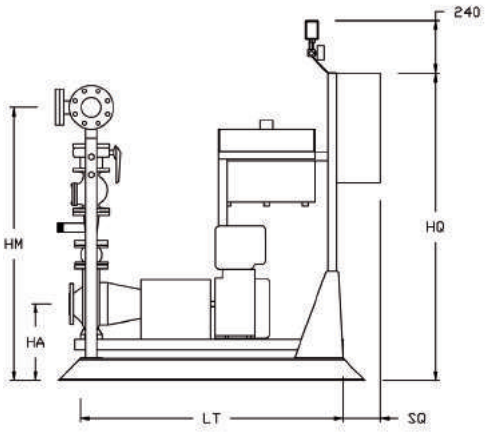
# IDROFIRE BG MTP

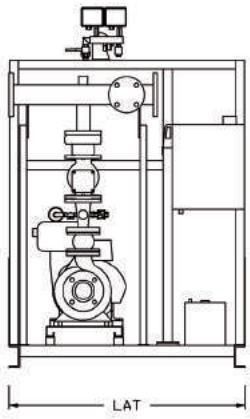
## DATI TECNICI TECHNICAL DATA

| MODELLO GRUPPO<br>MODEL GROUP | MOTORE DIESEL<br>DIESEL ENGINE | | | KIT FLUSSIMETRO<br>FLOW METER KIT | KIT SOTTOBATTENTE pompa principale<br>POSITIVE HEAD KIT main pump | KIT SOPRABATTENTE pompa principale<br>SUCTION LIFT KIT main pump |
|---|---|---|---|---|---|---|
| BG MTP | mod. | kW NA | kW NB | mod. | mod. | mod. |
| EN BG MTP 65-250-NB VS | D703LE0 | 33 | 37 | CM80-V80 | P80-S150 | 80x150 |
| EN BG MTP 65-250-NB PS | LPWT 4-09 | 37,5 | 40,2 | CM80-V80 | P80-S150 | 80x150 |
| EN BG MTP 65-250-235 VC | D703LTE0 | 48 | 53 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-250-235 PC | LPWT 4-09 | 37,5 | 40,2 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-250-245 VC | D703LTE0 | 48 | 53 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-250-255 VC | D703LTE0 | 48 | 53 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-250-NOA VS | D703LTE0 | 48 | 53 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-250-264 VC | D754TPE2 | 65 | 73 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-250-NO VS | D703LTE0 | 48 | 53 | CM100-V80 | P80-S150 | 80x200 |
| EN BG MTP 65-315-RCD273 VS | D754TPE2 | 65 | 73 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-315-RBC282 VS | D754TPE2 | 65 | 73 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-315-291 VC | D756IPE2 | 100 | 110 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 65-315-308 IC | N45 MNT F41 | 130,5 | 145 | CM100-V80 | P80-S200 | 80x200 |
| EN BG MTP 80-200-195 VC | D703LE0 | 33 | 37 | CM125-V100 | P100-S250 | 100x250 |
| EN BG MTP 80-200-195 PC | LPWT 4-09 | 37,5 | 40,2 | CM125-V100 | P100-S250 | 100x250 |
| EN BG MTP 80-200-205 VC | D703LTE0 | 48 | 53 | CM125-V100 | P100-S250 | 100x250 |
| EN BG MTP 80-200-205 PC | LPWT 4-09 | 37,5 | 40,2 | CM125-V100 | P100-S250 | 100x250 |
| EN BG MTP 80-200-214 VC | D703LTE0 | 48 | 53 | CM125-V125 | P100-S250 | 100x250 |
| EN BG MTP 80-250-225 VC | D703LTE0 | 48 | 53 | CM100-V100 | P100-S200 | 100x250 |
| EN BG MTP 80-250-235 VC | D703LTE0 | 48 | 53 | CM125-V100 | P100-S200 | 100x250 |
| EN BG MTP 80-250-245 VC | D754TPE2 | 65 | 73 | CM125-V100 | P100-S250 | 100x250 |
| EN BG MTP 80-250-255 VC | D754TPE2 | 65 | 73 | CM125-V100 | P100-S250 | 100x250 |
| EN BG MTP 80-250-264 VC | D756IPE2 | 100 | 110 | CM125-V125 | P100-S250 | 100x250 |
| EN BG MTP 80-250-A VS | D756IPE2 | 100 | 110 | CM125-V100 | P100-S200 | 100x250 |
| EN BG MTP 100-200-195 VC | D703LTE0 | 48 | 53 | CM125-V125 | P125-S250 | 125x300 |
| EN BG MTP 100-200-195 PC | LPWT 4-09 | 37,5 | 40,2 | CM125-V125 | P125-S250 | 125x300 |
| EN BG MTP 100-200-205 VC | D703LTE0 | 48 | 53 | CM125-V125 | P125-S250 | 125x300 |
| EN BG MTP 100-200-214 VC | D754TPE2 | 65 | 73 | CM125-V125 | P125-S250 | 125x300 |
| EN BG MTP 100-250-225 VC | D754TPE2 | 65 | 73 | CM125-V125 | P125-S300 | 125x300 |
| EN BG MTP 100-250-235 VC | D756IPE2 | 100 | 110 | CM125-V125 | P125-S300 | 125x300 |
| EN BG MTP 100-250-245 VC | D756IPE2 | 100 | 110 | CM125-V125 | P125-S300 | 125x300 |
| EN BG MTP 100-250-255 IC | N45 MNT F41 | 130,5 | 145 | CM125-V125 | P125-S300 | 125x350 |
| EN BG MTP 100-250-264 IC | N45 MNT F41 | 130,5 | 145 | CM125-V125 | P125-S300 | 125x350 |
| EN BG MTP 100-315-291 IC | N45MNT F41 | 130,5 | 145 | CM125-V125 | P150-S250 | 150x250 |
| EN BG MTP 100-315-RBC292 IS | N45 MNT F41 | 130,5 | 145 | CM125-V125 | P125-S300 | 125x300 |
| EN BG MTP 100-315-RBC296 IS | N67 MNTF 42 | 178 | 197 | CM125-V125 | P125-S300 | 125x300 |
| EN BG MTP 100-315-RBC308 IS | N67 MNT F42 | 178 | 197 | CM125-V125 | P125-S300 | 125x300 |
| EN BG MTP 100-315-308 IC | N45 MNT F41 | 130,5 | 145 | CM125-V125 | P150-S300 | 150x300 |
| EN BG MTP 125-200-205 VC | D754TPE2 | 65 | 73 | CM200-V200 | P150-S300 | 150x350 |
| EN BG MTP 125-200-214 VC | D756IPE2 | 100 | 110 | CM200-V200 | P150-S350 | 150x350 |
| EN BG MTP 125-250-RC VS | D756IPE2 | 100 | 110 | CM125-V125 | P125-S300 | 150x350 |
| EN BG MTP 125-250-RB IS | N45 MNT F41 | 130,5 | 145 | CM150-V125 | P150-S300 | 150x350 |
| EN BG MTP 125-250-RAB IS | N67 MNT F42 | 178 | 197 | CM150-V125 | P150-S350 | 150x350 |
| EN BG MTP 125-250-250 IC | N45 MNT F41 | 130,5 | 145 | CM200-V200 | P150-S300 | 150x350 |
| EN BG MTP 125-250-264 IC | N45 MNT F41 | 130,5 | 145 | CM200-V200 | P150-S300 | 150x350 |
| EN BG MTP 125-315-RBC287 IS | N67 MNT F42 | 178 | 197 | CM125-V125 | P150-S300 | 150x350 |
| EN BG MTP 125-315-RCD295 IS | N67 MNT F42 | 178 | 197 | CM125-V125 | P150-S300 | 150x350 |
| EN BG MTP 125-250-278 IC | N67 MNT F42 | 178 | 197 | CM200-V200 | P150-S350 | 150x400 |
| EN BG MTP 125-315-RBC302 IS | N67 MNT F42 | 178 | 197 | CM125-V125 | P150-S300 | 150x350 |
| EN BG MTP 150-315-RC257 IS | N67 MNT F42 | 178 | 197 | CM200-V200 | P200-S400 | 200x400 |
| EN BG MTP 150-315-RC266 IS | N67 MNT F42 | 178 | 197 | CM200-V200 | P200-S400 | 200x400 |
| EN BG MTP 150-315-RCD280 IS | N67 MNT F42 | 200 | 222 | CM200-V200 | P200-S300 | 200x350 |
| EN BG MTP 150-315-RC290 IS | N67 MNT F40 | 227 | 246 | CM200-V200 | P200-S400 | 200x450 |
| EN BG MTP 150-315-RBC284 IS | N67 MNT F42 | 200 | 222 | CM200-V200 | P200-S400 | 200x450 |
| EN BG MTP 150-315-RBC290 IS | N67 MNT F40 | 227 | 246 | CM200-V200 | P200-S400 | 200x450 |
| EN BG MTP 150-315-RAB310 IS | N60 ENT F40 | 282 | 295 | CM200-V200 | P200-S400 | 200x450 |
| EN BG MTP 150-315-RAB315 IS | N60 ENT F40 | 282 | 295 | CM200-V200 | P200-S400 | 200x450 |

# IDROFIRE BG MTP

## **DIMENSIONI** DIMENSION

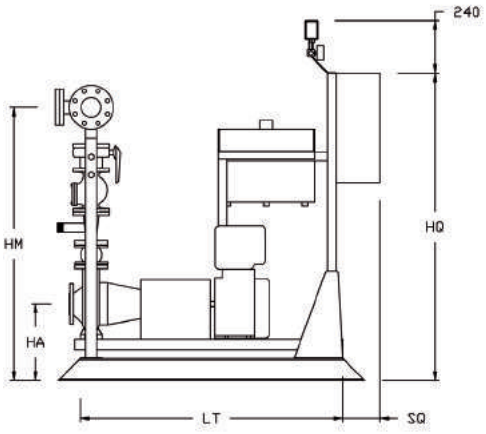


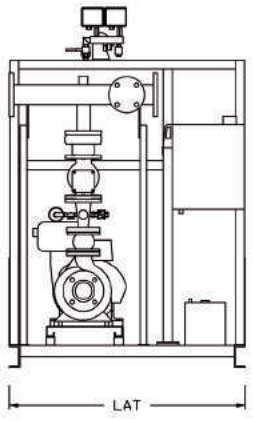




| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | HA | HM | LAT | LT | HQ | SQ |
|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | HA | HM | LAT | LT | HQ | SQ |
| | valves kit | manifold | posit. head | posit. head | | | | | | |
| BG MTP | DN | DN | DN | DN | mm | mm | mm | mm | mm | mm |
| EN BG MTP 32-200-NC LS | 40 | DN80-F50 | 65 | 80 | 370 | 1243 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 32-200-NB LS | 40 | DN80-F50 | 65 | 80 | 370 | 1243 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 32-200-NA LS | 40 | DN80-F50 | 80 | 80 | 370 | 1243 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 32-250-E LS | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 32-250-225 LC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 32-250-235 LC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 1000 | 1300 | 1400 | 200 |
| EN BG MTP 32-250-245 LC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 1000 | 1300 | 1400 | 200 |
| EN BG MTP 32-250-B PS | 50 | DN80-F50 | 100 | 100 | 390 | 1338 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 32-250-255 LC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 1000 | 1300 | 1400 | 200 |
| EN BG MTP 32-250-264 PC | 40 | DN80-F50 | 80 | 100 | 390 | 1308 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 32-250-A LS | 50 | DN80-F50 | 100 | 100 | 434 | 1382 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 40-200-185 LC | 50 | DN80-F50 | 80 | 100 | 370 | 1273 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 40-200-195 LC | 50 | DN80-F50 | 80 | 100 | 370 | 1273 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 40-200-205 LC | 50 | DN80-F50 | 100 | 100 | 370 | 1273 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 40-200-214 LC | 50 | DN80-F50 | 100 | 100 | 370 | 1273 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 40-200-NA LS | 50 | DN80-F50 | 100 | 100 | 395 | 1298 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 40-250-225 LC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 1000 | 1300 | 1400 | 200 |
| EN BG MTP 40-250-235 LC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 1000 | 1300 | 1400 | 200 |
| EN BG MTP 40-250-245 PC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 40-250-255 PC | 50 | DN80-F50 | 100 | 125 | 390 | 1338 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 40-250-264 LC | 50 | DN80-F50 | 100 | 125 | 434 | 1382 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 40-250-264 PC | 50 | DN80-F50 | 100 | 125 | 400 | 1348 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 40-315-RB300 VS | 65 | DN80-F50 | 100 | 125 | 445 | 1461 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 40-315-RAB308 VS | 65 | DN80-F50 | 100 | 125 | 445 | 1461 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 40-315-RAB315 VS | 65 | DN80-F50 | 100 | 125 | 445 | 1461 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-160-174 LC | 65 | DN80-F50 | 150 | 150 | 395 | 1351 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 50-200-185 LC | 65 | DN80-F50 | 125 | 125 | 370 | 1346 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 50-200-195 LC | 65 | DN80-F50 | 125 | 125 | 395 | 1371 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 50-200-C LS | 65 | DN80-F50 | 125 | 125 | 370 | 1346 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 50-200-B LS | 65 | DN80-F50 | 100 | 125 | 395 | 1371 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 50-200-205 LC | 65 | DN80-F50 | 125 | 125 | 388 | 1364 | 1000 | 1300 | 1400 | 200 |
| EN BG MTP 50-200-A LS | 65 | DN80-F50 | 125 | 125 | 395 | 1371 | 1000 | 1100 | 1400 | 200 |
| EN BG MTP 50-200-214 LC | 65 | DN80-F50 | 125 | 125 | 388 | 1364 | 1000 | 1300 | 1400 | 200 |
| EN BG MTP 50-200-NB PS | 65 | DN80-F50 | 125 | 150 | 380 | 1356 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 50-200-NA LS | 65 | DN80-F50 | 150 | 150 | 434 | 1410 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 50-200-NA PS | 65 | DN80-F50 | 150 | 150 | 390 | 1366 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-250-225 PC | 65 | DN80-F50 | 125 | 125 | 390 | 1391 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 50-250-235 LC | 65 | DN80-F50 | 125 | 125 | 434 | 1435 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 50-250-235 PC | 65 | DN80-F50 | 125 | 125 | 400 | 1401 | 1100 | 1600 | 1400 | 200 |

# IDROFIRE BG MTP

## **DIMENSIONI** DIMENSION

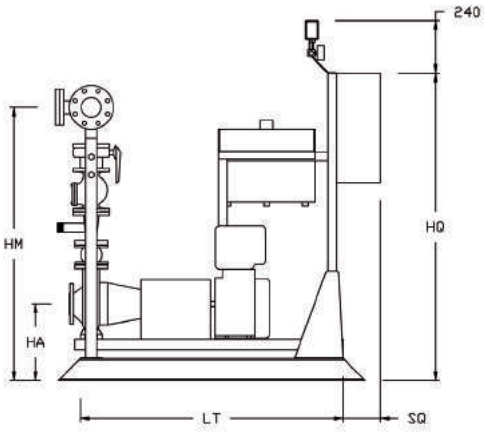


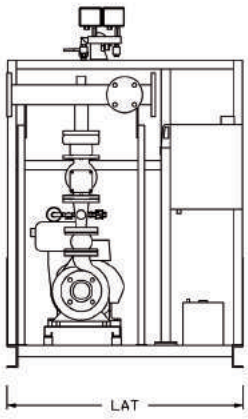




| **MODELLO GRUPPO** | **MANDATA** KIT VLV | collettore | **ASPIRAZIONE** STB | STB | **HA** | **HM** | **LAT** | **LT** | **HQ** | **SQ** |
|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | SUCTION posit. head | posit. head | HA | HM | LAT | LT | HQ | SQ |
| BG MTP | DN | DN | DN | DN | mm | mm | mm | mm | mm | mm |
| EN BG MTP 50-250-245 LC | 65 | DN80-F50 | 125 | 125 | 434 | 1435 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 50-250-245 PC | 65 | DN80-F50 | 125 | 125 | 400 | 1401 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-250-255 VC | 65 | DN80-F50 | 125 | 125 | 400 | 1401 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-250-264 VC | 65 | DN80-F50 | 125 | 125 | 400 | 1401 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-250-264 PC | 65 | DN80-F50 | 125 | 125 | 400 | 1401 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-250-NA VS | 65 | DN80-F50 | 150 | 150 | 400 | 1401 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-250-NA PS | 65 | DN80-F50 | 150 | 150 | 400 | 1401 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-315-274 VC | 65 | DN80-F50 | 125 | 125 | 445 | 1501 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-315-291 VC | 65 | DN80-F50 | 125 | 125 | 445 | 1501 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 50-315-308 VC | 65 | DN80-F50 | 125 | 125 | 450 | 1506 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 65-200-185 PC | 100 | DN125-F80 | 200 | 200 | 390 | 1512 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 65-200-NA VS | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-200-195 LC | 100 | DN125-F80 | 200 | 200 | 434 | 1556 | 1000 | 1400 | 1400 | 200 |
| EN BG MTP 65-200-195 PC | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-200-205 PC | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-200-214 VC | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-200-214 PC | 100 | DN125-F80 | 200 | 200 | 400 | 1522 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-225 VC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-225 PC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-NB VS | 80 | DN100-F80 | 150 | 150 | 420 | 1488 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-NB PS | 80 | DN100-F80 | 150 | 150 | 420 | 1488 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-235 VC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-235 PC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-245 VC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-255 VC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-NOA VS | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-250-264 VC | 100 | DN125-F80 | 200 | 200 | 420 | 1567 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 65-250-NO VS | 100 | DN125-F80 | 150 | 200 | 420 | 1567 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 65-315-RCD273 VS | 100 | DN125-F80 | 200 | 200 | 445 | 1622 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 65-315-RBC282 VS | 100 | DN125-F80 | 200 | 200 | 450 | 1627 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 65-315-291 VC | 100 | DN125-F80 | 200 | 200 | 450 | 1627 | 1200 | 2000 | 1400 | 200 |
| EN BG MTP 65-315-308 IC | 100 | DN125-F80 | 200 | 200 | 555 | 1732 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 80-200-195 VC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 80-200-195 PC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 80-200-205 VC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 80-200-205 PC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 80-200-214 VC | 125 | DN150-F100 | 250 | 250 | 400 | 1630 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 80-250-225 VC | 125 | DN150-F100 | 200 | 250 | 420 | 1680 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 80-250-235 VC | 125 | DN150-F100 | 200 | 250 | 420 | 1680 | 1100 | 1600 | 1400 | 200 |

# IDROFIRE BG MTP

## **DIMENSIONI** DIMENSION



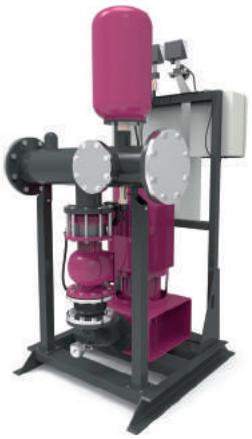




| MODELLO GRUPPO | MANDATA | | ASPIRAZIONE | | HA | HM | LAT | LT | HQ | SQ |
|---|---|---|---|---|---|---|---|---|---|---|
| | KIT VLV | collettore | STB | STB | | | | | | |
| MODEL GROUP | DELIVERY | | SUCTION | | HA | HM | LAT | LT | HQ | SQ |
| | valves kit | manifold | posit. head | posit. head | | | | | | |
| BG MTP | DN | DN | DN | DN | mm | mm | mm | mm | mm | mm |
| EN BG MTP 80-250-245 VC | 125 | DN150-F100 | 250 | 250 | 420 | 1680 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 80-250-255 VC | 125 | DN150-F100 | 250 | 250 | 450 | 1710 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 80-250-264 VC | 125 | DN150-F100 | 250 | 250 | 450 | 1710 | 1200 | 2000 | 1400 | 200 |
| EN BG MTP 80-250-A VS | 125 | DN150-F100 | 200 | 250 | 555 | 1815 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 100-200-195 VC | 150 | DN200-F125 | 250 | 300 | 420 | 1761 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 100-200-195 PC | 150 | DN200-F125 | 250 | 300 | 420 | 1761 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 100-200-205 VC | 150 | DN200-F125 | 250 | 300 | 420 | 1761 | 1100 | 1600 | 1400 | 200 |
| EN BG MTP 100-200-214 VC | 150 | DN200-F125 | 250 | 300 | 420 | 1761 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 100-250-225 VC | 150 | DN200-F125 | 300 | 300 | 450 | 1791 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 100-250-235 VC | 150 | DN200-F125 | 300 | 300 | 450 | 1791 | 1200 | 2000 | 1400 | 200 |
| EN BG MTP 100-250-245 VC | 150 | DN200-F125 | 300 | 300 | 450 | 1791 | 1200 | 2000 | 1400 | 200 |
| EN BG MTP 100-250-255 IC | 150 | DN200-F125 | 300 | 350 | 555 | 1896 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 100-250-264 IC | 150 | DN200-F125 | 300 | 350 | 555 | 1896 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 100-315-291 IC | 150 | DN200-F125 | 250 | 250 | 555 | 1931 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 100-315-RBC292 IS | 150 | DN200-F125 | 300 | 300 | 555 | 1931 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 100-315-RBC296 IS | 150 | DN200-F125 | 300 | 300 | 575 | 1951 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 100-315-RBC308 IS | 150 | DN200-F125 | 300 | 300 | 575 | 1951 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 100-315-308 IC | 150 | DN200-F125 | 300 | 300 | 555 | 1931 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 125-200-205 VC | 150 | DN200-F125 | 300 | 350 | 470 | 1881 | 1200 | 1800 | 1400 | 200 |
| EN BG MTP 125-200-214 VC | 150 | DN200-F125 | 350 | 350 | 470 | 1881 | 1200 | 2000 | 1400 | 200 |
| EN BG MTP 125-250-RC VS | 150 | DN200-F125 | 300 | 350 | 470 | 1921 | 1200 | 2000 | 1400 | 200 |
| EN BG MTP 125-250-RB IS | 150 | DN200-F125 | 300 | 350 | 555 | 2006 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 125-250-RAB IS | 150 | DN200-F125 | 350 | 350 | 575 | 2026 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 125-250-250 IC | 150 | DN200-F125 | 300 | 350 | 555 | 2006 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 125-250-264 IC | 150 | DN200-F125 | 300 | 350 | 555 | 2006 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 125-315-RBC287 IS | 150 | DN200-F125 | 300 | 350 | 585 | 2036 | 1400 | 2000 | 1400 | 200 |
| EN BG MTP 125-315-RCD295 IS | 150 | DN200-F125 | 300 | 350 | 595 | 2046 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 125-250-278 IC | 150 | DN200-F125 | 350 | 400 | 575 | 2026 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 125-315-RBC302 IS | 150 | DN200-F125 | 300 | 350 | 595 | 2046 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RC257 IS | 200 | DN250-F200 | 400 | 400 | 595 | 2252 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RC266 IS | 200 | DN250-F200 | 400 | 400 | 595 | 2252 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RCD280 IS | 200 | DN250-F200 | 300 | 350 | 595 | 2252 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RC290 IS | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RBC284 IS | 200 | DN250-F200 | 400 | 450 | 595 | 2252 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RBC290 IS | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RAB310 IS | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1400 | 2300 | 1400 | 200 |
| EN BG MTP 150-315-RAB315 IS | 200 | DN250-F200 | 400 | 450 | 635 | 2292 | 1400 | 2300 | 1400 | 200 |

GRUPPI ANTINCENDIO
FIRE FIGHTING UNITS

# VERTICAL TURBINE VTS

EN 12845
UNI 10779



IDROFIRE VTS P1E

IDROFIRE VTS P2E

IDROFIRE VTS P1M

IDROFIRE VTS PEM

IDROFIRE VTS P2M

# VOCE DI CAPITOLATO

Gruppo di pressurizzazione antincendio, tipo IDROFOGLIA a norma EN12845 modello Hydrofire VTS con pompe principali del tipo vertical turbine e pompa pilota sommersa, composto da:

## Sezione Elettropompa pilota

N.1 Elettropompa pilota sommersa per il mantenimento della pressione all'interno dell'anello antincendio con elementi in fusione di acciaio inossidabile, giranti radiali, albero pompa e giunto di trasmissione in acciaio inossidabile, accoppiata a motore elettrico sommerso asincrono trifase con rotore in corto circuito, flangiatura Nema, 2 poli, grado di protezione IP 68, classe di isolamento B.
La pompa pilota è corredata in mandata di una valvole di ritegno, una valvola a sfera, un vaso di espansione 20 litri PN16, e raccordi per il collegamento al quadro di comando. La pompa è comandata in automatico da un quadro in lamiera zincata con applicato un pressostato di avviamento regolabile con grado di protezione IP55, manometro e circuito di prova del pressostato.
L'elettropompa pilota è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto, così composto:

- interruttore blocco porta fusibilitato;
- contattore e relè termico
- selettore Manuale – 0 – Automatico a chiave
- lampada di avviamento
- lampada di blocco
- lampada di presenza rete
- trasformatore 400/24/12V per circuito ausiliario;
- fusibili per circuito ausiliario
- morsettiera e pressacavi
- alimentazione 400 (3F) 50 Hz

## Sezione Elettropompa di servizio (o di riserva)

N.1 Elettropompa di servizio del tipo vertical turbine, con pompa verticale immersa comprensiva di valvola di fondo con filtro in aspirazione, linea d'asse con lunghezza standard di 3 mt per il collegamento del corpo pompa al gruppo di comando che consente la trasmissione del moto alle giranti, gruppo di comando per accoppiamento al motore elettrico mediante giunto elastico e motore elettrico normalizzato UNEL-IEC, del tipo verticale in forma costruttiva V1.
L'elettropompa principale è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto (fino a 11 kW) ed avviamento stella-triangolo (da 15 kW) così composto:

- interruttore blocco porta;
- scheda elettronica di gestione programmabile con spie e led di segnalazione;
- prova settimanale integrata
- presa interbloccata di servizio monofase 16 A
- selettore Manuale – 0 – Automatico a chiave
- pulsanti di marcia e arresto;
- relè mancanza fase e sequenza fase
- batteria a tampone con carica batteria
- trasformatore 400/24/12V per circuiti ausiliari;
- fusibili per circuito ausiliario
- fusibili generali
- n.3 contattori
- temporizzatore di scambio
- amperometro;
- voltmetro con commutatore voltmetrico;
- lampeggiante con avvisatore acustico
- morsettiera
- alimentazione 400 (3F+N) 50 Hz

## Sezione Motopompa di servizio (o di riserva)

N.1 Motopompa di riserva del tipo vertical turbine, con pompa verticale immersa comprensiva di valvola di fondo con filtro in aspirazione, linea d'asse con lunghezza standard di 3 mt per il collegamento del corpo pompa al gruppo di comando che consente la trasmissione del moto alle giranti, gruppo di comando con rinvio ad angolo per accoppiamento al motore Diesel mediante giunto elastico e motore Diesel raffreddato ad aria fino a 30 kW e a liquido al di sopra dei 30 kW, con cinghie multiple, completo di serbatoio a caduta per un'autonomia di 6 h e doppia batteria per l'avviamento. Il gruppo motopompa sarà completo di giunti antivibranti collegati al telaio.
La motopompa è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 così composto:

- interruttore blocco porta;
- scheda elettronica programmabile di comando e gestione motopompa;
- indicazioni ed allarmi sul display
- selettore Manuale – 0 – Automatico a chiave
- n.2 carica batterie 12/24V con controllo a microprocessore completi di n.2 trasformatori 230/16V e circuiti separati per l'alimentazione
- controllo batterie sul display
- fusibili per circuito ausiliario
- contagiri analogico
- prova settimanale integrata
- magnetotermico differenziale preriscaldo
- morsettiera
- alimentazione 230 (F+N) 50 Hz

Ogni pompa principale è corredata in mandata da una curva 90° bi flangiata, giunto in gomma di compensazione, un diaframma calibrato in ottone da 3/8" per il ricircolo e lo scarico dell'aria della pompa, un manometro, una valvola di non ritorno ispezionabile, un diaframma zincato con uscita da 1/2" per il collegamento al quadro di avviamento della pompa e una valvola a farfalla d'intercettazione. Le pompe sono comandate in automatico da un pannello di controllo in lamiera zincata, collegato al diaframma mediante un tubo RILASAN 2034 15/12.5 pa12, dove si trovano 2 pressostati di avviamento regolabili con grado di protezione IP55, manometro e circuito di prova dei pressostati.
Sul collettore di mandata vi è la predisposizione per il collettore di prova, il collettore è sorretto da 2 gambe collegate al telaio principale, per garantire la stabilità e la continuità del sevizio anche se si interviene su di una pompa.
Quadri, pompe e motori sono installati su un telaio realizzato in acciaio zincato.

**ACCESSORI A CORREDO:**

- Kit Flussimetro adeguatamente dimensionato, compostoda:
  - Flussimetro a lettura rinviata
  - Collettore in acciaio zincato
  - Valvola di intercettazione
- Quadro allarme acustico-luminoso di remotazione allarme
- Kit ricambi per motore Diesel (in accordo con la normativa EN12845)
- Kit scambiatore di calore per motore Diesel.

# PROJECT DESCRIPTION

Fire Fighting Unit IDROFOGLIA with pressurization unit according to EN12845 HYDROFIRE VTS model with main vertical turbine pumps and submersible jockey pump, composed by:

### Jockey Pump Section

Nr. 1 submersible jockey pump for the maintenance of the proper water pressure into the firewater ring main, with parts made of stainless steel, radiant impellers, stainless steel shaft and shaft coupling, coupled with submersible asynchronous electrical engine with squirrel-cage armature, Nema flange, 2 poles, IP68 protection, B insulation class.
The jockey pump is equipped on delivery with one check valve, one ball valve, a 20 liters expansion tank PN16, and fittings for control panel connection. The pump is automatically controlled by a galvanized control panel with an adjustable starting pressure switch IP55 protection level, gauge and pressure switch testing circuit. The jockey electric pump is controlled by an independently control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter, composed by:

- door locking switch;
- contactor and overload relay;
- manual selector lever 0 automatic with key;
- starting signal light;
- block signal light;
- main present signal light;
- transformer 400/24/12V for auxiliary circuits;
- auxiliary circuit fuses;
- terminal board and cable glands;
- power input 400 (3F) 50 Hz;

### Main (or backup) Electric Pump Section

Nr. 1 vertical turbine electric pump, with submersible vertical pump with shut-down valve with aspiration filter, standard 3 mt shaft to link the pump to the drive unit, that allow the transmission of the motion to the impellers, drive unit for coupling of the electrical engine through elastic joint and normalized UNEL-IEC vertical and V1 engine, vertical and with V1.
The main electric pump is controlled by an independent control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter (until 9,2 kW) and star delta starting (from 11 kW) composed by:

- door lock switches;
- programmable electronic management with indicator led and light;
- integrated weekly test;
- interlocked mono-phase 16A service power point;
- manual selector level 0 automatic with key
- start and stop buttons;
- phase failure and phase sequence relay;
- buffer battery with charger;
- transformer 400/24/12V for auxiliary circuits;
- auxiliary circuit fuses;
- general fuses;
- nr. 3 contactors;
- swap timer;
- ampere meter;
- voltmeter with voltmeter switch;
- flashing with buzzer;
- terminal board;
- power input 400 (3F+N) 50 Hz

### Main (or backup) Diesel Motor Pump Section

Nr. 1 Backup diesel Motor vertical turbine with submersible vertical pump with shut-down valve with aspiration filter, standard 3 mt shaft to link the pump to the drive unit, that allow the transmission of the motion to the impellers, right angle drive unit for coupling diesel engine through elastic joint and diesel air cooled engine up to 30 KW and liquid cooled above the 30 kW with multiple strap belts, complete with gravity tank to guarantee 6 h autonomy and double starter battery. The diesel motor pump set shall be complete of anti-vibration joints connected to frame.
The Diesel Motor pump is controlled by an independent control panel manufactured according to EN12845 norm, with painted IP55 protection level sheet metal, composed by:

- door lock switches;
- programmable electronic management with indicator led and light;
- indications and alarms on display;
- manual selector – automatic with key;
- nr. 2 battery charges 12/24V with microprocessor control complete of nr. 2 transformers 230/16V and power supply separate circuits;
- battery control on display;
- auxiliary circuit fuses;
- analogic tachometer;
- integrated weekly test;
- preheating differential magneto thermic;
- terminal board;
- power input 230(F+N) 50 Hz

Each main pump has on its delivery a 90° biflanged curve, a flanged rubber joint, a taper pipe flanged a brass orifice plate of 3/8" air pump recycle and reject, a manometer, an inspected non return valve, a galvanized diaphragm with ½" output for pump started panel connection and a shut-off butterfly valve. The pumps are automatically controlled by galvanized control panel, connected to the diaphragm by RILSAN 2034 15/12.5 pa12 hose, where there are 2 adjustable starting pressure with IP55 level protection, gauge and pressure circuit test.
On the delivery manifold there is a predisposition for the "manifold test". The manifold is supported by two "legs" connected to the main frame to guarantee the service stability and continuity.
Control panels, pumps and engines are installed on a galvanized steel frame.

**ACCESSORIES:**

- Flow meter Kit adequately sized, composed by:
  - Postponed reading flow meter;
  - Galvanized steel manifold;
  - Shut off valve
- Control panel for alarm maintaining with remote control. Control panel for A and B alarms grouping with the possibility to connect sirens and to interface it, trough clean contacts, with the eventual supervision system;
- Diesel ngine spare parts kit (in accordance with EN12845 norm)
- Water-water diesel engine exchanger.

# PRESTAZIONI POMPE
# PUMPS PERFORMANCES

## **DATI TECNICI** TECHNICAL DATA

| PUMP MODEL | engine power | | | | | limit HHS - HHP | | hydraulic performance | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | | jockey | | | Q: l/min | 250 | 275 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 750 | 900 | 990 |
| | kW | type | kW NA | kW NB | kW | mc/h | l/min. | Q: mc/h | 15 | 16,5 | 18 | 21 | 24 | 27 | 30 | 36 | 42 | 45 | 54 | 59,4 |
| 6G/4A | 7,5 | L | 6,2 | 6,7 | 0,75 | 32 | 534 | | 50 | 50 | 50 | 49 | 48 | 46 | 44 | 38 | 29,5 | 24 | | |
| 6G/6A | 11 | L | 10,4 | 11,5 | 1,1 | 32 | 534 | | 76 | 75 | 75 | 74 | 72 | 69 | 66 | 57 | 44,5 | 36 | | |
| 6G/8A | 11 | L | 13,6 | 15 | 1,5 | 32 | 534 | | 101 | 100 | 100 | 98 | 96 | 92 | 88 | 76 | 59 | 48 | | |
| 6G/10A | 15 | L | 17 | 18,9 | 2,2 | 32 | 534 | | 126 | 125 | 125 | 122 | 119 | 116 | 111 | 96 | 74 | 60 | | |
| 6G/12A | 18,5 | L | 17 | 18,9 | 2,2 | 32 | 534 | H:mca | 151 | 150 | 149 | 148 | 143 | 138 | 133 | 115 | 89 | 72 | | |
| 6C/4A | 11 | L | 10,4 | 11,5 | 0,75 | 42 | 700 | | | | | 55 | 55 | 54 | 53 | 50 | 47 | 45 | 42,5 | 37,5 |
| 6C/6A | 15 | L | 13,6 | 15 | 1,5 | 42 | 700 | | | | | 83 | 82 | 81 | 80 | 76 | 70 | 68 | 64 | 56 |
| 6C/8A | 18,5 | L | 17 | 18,9 | 1,5 | 42 | 700 | | | | | 111 | 109 | 108 | 106 | 101 | 94 | 89 | 85 | 75 |
| 6C/10A | 30 | L | 24 | 26 | 2,2 | 42 | 700 | | | | | 138 | 137 | 135 | 133 | 126 | 117 | 114 | 107 | 93 |

| PUMP MODEL | engine power | | | | | limit HHS - HHP | | hydraulic performance | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | | jockey | | | Q: l/min | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 |
| | kW | type | kW NA | kW NB | kW | mc/h | l/min. | Q: mc/h | 30 | 36 | 42 | 48 | 54 | 60 | 72 | 84 | 96 | 108 |
| 7L/3A | 11 | L | 10,4 | 11,5 | 0,75 | 54 | 900 | | 54,5 | 53,5 | 51,5 | 49,5 | 46,5 | 43 | 34,5 | 24,5 | | |
| 7L/4A | 15 | L | 13,6 | 15 | 1,1 | 54 | 900 | | 73 | 71 | 69 | 66 | 62 | 57 | 46,5 | 32,5 | | |
| 7L/5A | 18,5 | L | 17 | 18,9 | 1,5 | 54 | 900 | | 91 | 89 | 86 | 82 | 78 | 72 | 58 | 41 | | |
| 7L/6A | 22 | L | 24 | 26 | 1,5 | 54 | 900 | | 109 | 107 | 103 | 99 | 93 | 86 | 69 | 49 | | |
| 7L/7A | 30 | L | 24 | 26 | 2,2 | 54 | 900 | | 128 | 124 | 120 | 115 | 109 | 101 | 81 | 57 | | |
| 7L/8A | 30 | V | 33 | 37 | 2,2 | 54 | 900 | | 146 | 142 | 137 | 132 | 124 | 115 | 93 | 65 | | |
| 7L/9A | 30 | V | 33 | 37 | 2,2 | 54 | 900 | H:mca | 164 | 160 | 154 | 148 | 140 | 129 | 104 | 73 | | |
| 7C/2A | 11 | L | 10,4 | 11,5 | 0,75 | 75 | 1250 | | | | 39 | 38,5 | 37,5 | 36,5 | 34,5 | 31 | 26,5 | 21 |
| 7C/3A | 18,5 | L | 17 | 18,9 | 0,75 | 75 | 1250 | | | | 58 | 57 | 56 | 55 | 52 | 47 | 40 | 31,5 |
| 7C/4A | 22 | L | 24 | 26 | 1,1 | 75 | 1250 | | | | 78 | 77 | 75 | 73 | 69 | 62 | 53 | 42 |
| 7C/5A | 30 | V | 33 | 37 | 1,5 | 75 | 1250 | | | | 97 | 96 | 94 | 92 | 86 | 78 | 67 | 53 |
| 7C/6A | 37 | V | 33 | 37 | 1,5 | 75 | 1250 | | | | 117 | 115 | 113 | 110 | 103 | 94 | 80 | 63 |
| 7C/7A | 37 | V | 48 | 53 | 2,2 | 75 | 1250 | | | | 136 | 134 | 132 | 128 | 120 | 109 | 93 | 74 |

| PUMP MODEL | engine power | | | | | limit HHS - HHP | | hydraulic performance | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | | jockey | | | Q: l/min | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 |
| | kW | type | kW NA | kW NB | kW | mc/h | l/min. | Q: mc/h | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 |
| 8B/2A | 11 | L | 10,4 | 11,5 | 0,75 | 60 | 1000 | | 50 | 49 | 47,5 | 46 | 44 | 42 | 39,5 | 37 | 34 | 30 | 25,5 | | |
| 8B/3A | 18,5 | L | 17 | 18,9 | 1,1 | 60 | 1000 | | 75 | 73 | 71 | 69 | 66 | 63 | 59 | 56 | 50 | 45 | 38 | | |
| 8B/4A | 22 | L | 24 | 26 | 1,5 | 60 | 1000 | | 100 | 98 | 95 | 92 | 88 | 84 | 79 | 75 | 68 | 60 | 51 | | |
| 8B/5A | 30 | V | 33 | 37 | 2,2 | 60 | 1000 | | 125 | 122 | 119 | 115 | 110 | 105 | 99 | 93 | 85 | 76 | 64 | | |
| 8B/6A | 37 | V | 33 | 37 | 2,2 | 60 | 1000 | | 151 | 147 | 142 | 138 | 132 | 126 | 119 | 110 | 102 | 90 | 76 | | |
| 8F/2A | 15 | L | 13,6 | 15 | 0,75 | 72 | 1200 | H:mca | | | | 48 | 47 | 45,5 | 43,5 | 41,5 | 39 | 36,5 | 34 | 30 | 26,5 |
| 8F/3A | 18,5 | L | 17 | 18,9 | 1,1 | 72 | 1200 | | | | | 72 | 70 | 68 | 65 | 62 | 58 | 54 | 50 | 45 | 40 |
| 8F/4A | 30 | L | 24 | 26 | 1,5 | 72 | 1200 | | | | | 96 | 94 | 91 | 87 | 83 | 78 | 73 | 67 | 60 | 53 |
| 8F/5A | 30 | V | 33 | 37 | 1,5 | 72 | 1200 | | | | | 120 | 117 | 113 | 108 | 104 | 97 | 91 | 83 | 75 | 67 |
| 8F/6A | 37 | V | 48 | 53 | 2,2 | 72 | 1200 | | | | | 144 | 141 | 136 | 130 | 124 | 117 | 109 | 100 | 90 | 80 |

# PRESTAZIONI POMPE
# PUMPS PERFORMANCES

## **DATI TECNICI** TECHNICAL DATA

| PUMP MODEL | engine power | | | | | limit HHS - HHP | | hydraulic performance | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | | jockey | | | Q: l/min | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 |
| | kW | type | kW NA | kW NB | kW | mc/h | l/min. | Q: mc/h | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 |
| 8L/2A | 15 | L | 13,6 | 15 | 0,75 | 90 | 1500 | | 46 | 44,5 | 42,5 | 40 | 36,5 | 32,5 | 27,5 | 21,5 | | |
| 8L/3A | 22 | L | 24 | 26 | 1,1 | 90 | 1500 | | 69 | 67 | 64 | 60 | 55 | 48,5 | 41,5 | 32,5 | | |
| 8L/4A | 30 | V | 33 | 37 | 1,5 | 90 | 1500 | | 92 | 89 | 85 | 80 | 73 | 65 | 55 | 43 | | |
| 8L/5A | 37 | V | 33 | 37 | 1,5 | 90 | 1500 | | 115 | 112 | 106 | 100 | 91 | 81 | 69 | 54 | | |
| 8L/6A | 45 | V | 48 | 53 | 2,2 | 90 | 1500 | | 138 | 134 | 128 | 119 | 109 | 97 | 83 | 65 | | |
| 8C/2A | 18,5 | L | 17 | 18,9 | 0,75 | 111 | 1850 | H:mca | | | 48,5 | 47 | 45 | 42,5 | 40 | 36,5 | 32,5 | 28,5 |
| 8C/3A | 30 | V | 33 | 37 | 1,1 | 111 | 1850 | | | | 73 | 71 | 68 | 64 | 59,5 | 55 | 49 | 42,5 |
| 8C/4A | 37 | V | 48 | 53 | 1,5 | 111 | 1850 | | | | 97 | 94 | 90 | 85 | 80 | 73 | 65 | 57 |
| 8C/5A | 45 | V | 48 | 53 | 2,2 | 111 | 1850 | | | | 121 | 118 | 113 | 107 | 100 | 91 | 82 | 71 |
| 8C/6A | 55 | V | 65 | 73 | 2,2 | 111 | 1850 | | | | 145 | 141 | 135 | 128 | 119 | 109 | 98 | 85 |

| PUMP MODEL | engine power | | | | | limit HHS - HHP | | hydraulic performance | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | | jockey | | | Q: l/min | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 |
| | kW | type | kW NA | kW NB | kW | mc/h | l/min. | Q: mc/h | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 390 | 420 |
| 10F/1B | 37 | V | 33 | 37 | 0,75 | 275 | 4584 | | 37 | 36 | 34 | 32,5 | 30,5 | 28,5 | 25,5 | 23 | 20 | 15,5 |
| 10F/1A | 45 | V | 48 | 53 | 0,75 | 275 | 4584 | | 41 | 39,5 | 38 | 36,5 | 34,5 | 32,5 | 30 | 27 | 24,5 | 20,5 |
| 10F/2E | 45 | V | 48 | 53 | 0,75 | 240 | 4000 | | 55 | 52 | 48 | 44 | 39,5 | 34 | 26,5 | 18,5 | | |
| 10F/2CD | 55 | V | 65 | 73 | 1,1 | 252 | 4200 | H:mca | 64 | 61 | 57 | 54 | 49,5 | 45 | 39 | 32,5 | 24,5 | |
| 10F/2BC | 75 | V | 65 | 73 | 1,1 | 252 | 4200 | | 71 | 68 | 65 | 61 | 57 | 53 | 47 | 41,5 | 34,5 | |
| 10F/3CD | 90 | V | 100 | 110 | 1,5 | 252 | 4200 | | 95 | 91 | 86 | 80 | 74 | 67 | 58 | 49 | 37 | |
| 10F/3B | 110 | V | 100 | 110 | 1,5 | 275 | 4584 | | 111 | 108 | 103 | 97 | 92 | 85 | 77 | 69 | 59 | 47 |

| PUMP MODEL | engine power | | | | | limit HHS - HHP | | hydraulic performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | electric | diesel | | | jockey | | | Q: l/min | 2400 | 3000 | 3550 | 4000 | 4500 | 5000 | 5500 | 5700 |
| | kW | type | kW NA | kW NB | kW | mc/h | l/min. | Q: mc/h | 144 | 180 | 213 | 240 | 270 | 300 | 330 | 342 |
| 12B/1B | 37 | V | 48 | 53 | 0,75 | 213 | 3550 | | 53 | 50 | 46 | 42 | 37 | 31 | 23,5 | |
| 12B/1A | 45 | V | 48 | 53 | 0,75 | 213 | 3550 | | 58 | 55 | 51 | 47 | 42 | 36,5 | 29 | 26,5 |
| 12B/2C | 75 | V | 65 | 73 | 1,5 | 213 | 3550 | H:mca | 94 | 89 | 81 | 72 | 62 | 49,5 | | |
| 12B/2B | 75 | V | 100 | 110 | 1,5 | 213 | 3550 | | 106 | 100 | 92 | 84 | 74 | 63 | 47 | |
| 12B/3C | 110 | V | 100 | 110 | 2,2 | 213 | 3550 | | 141 | 133 | 121 | 108 | 93 | 74 | | |

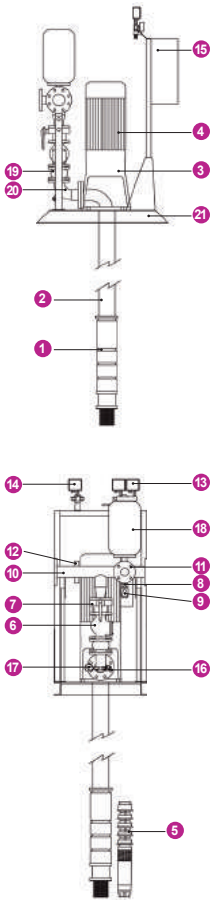
# IDROFIRE **VTS P1E**

## N.1 ELETTROPOMPA DI SERVIZIO + PILOTA
## NR.1 MAIN ELECTRIC PUMP + JOCKEY PUMP

## ELENCO COMPONENTI
## COMPONENT LIST

1. Pompa di servizio del tipo verticale
2. Linea d'asse
3. Gruppo di comando per collegamento tra pompa e motore
4. Motore elettrico
5. Elettropompa pilota sommersa
6. Valvola di ritegno a clapet
7. Valvola di intercettazione lucchettabile
8. Valvola di ritegno
9. Valvola di intercettazione a sfera con leva
10. Collettore di mandata reversibile completo di flangia cieca
11. Derivazione per collettore di prova di portata
12. Predisposizione per kit sprinkler
13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato,1 manometro 0-16 bar e circuito by-pass
14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato,1 manometro
15. Quadri elettrici di comando (uno per ogni pompa)
16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
17. Manometro 0-16 bar
18. Serbatoio Autoclave 24 lt PN16
19. Giunto di compensazione in gomma
20. Curva bi flangiata 90°
21. Telaio

1. Service vertical pump
2. Line shaft
3. Drive unit to link pump and engine
4. Electrical engine
5. Jockey submersible pump
6. Swing Check Valve ("Clapet" Valve)
7. Shut-off valve lockable
8. Check valve
9. Ball valve with level
10. Reversible delivery manifold with blind flange
11. Shunt for flow meter
12. Predisposition for sprinkler kit
13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button,1 pressure gauge 0-16 bar and by-pass circuit
14. Starting kit for jockey electric pump composed by 1pressure switch with integrated test button, 1 pressure gauge
15. Electrical control panels (one for each pump)
16. Kit recycling diaphragm complete with visual flow indicator
17. Pressure gauge 0-16 bar
18. Diaphragm pressure vessel 24LT PN16
19. Rubber strain neutralizer
20. Biflanged 90° curve
21. Frame



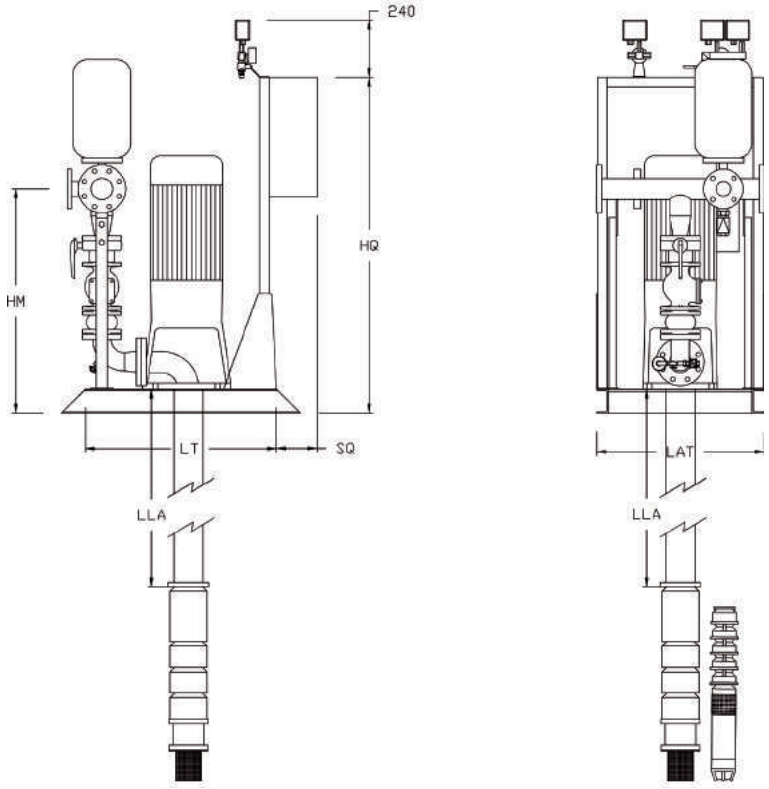
# IDROFIRE VTS P1E

## DATI TECNICI TECHNICAL DATA

| MODELLO GRUPPO<br>MODEL GROUP | ELETTROPOMPA<br>motore elettrico / gruppo di comando<br>ELECTRIC PUMP<br>electric engine / drive unit on the surface | | | ELETTROPOMPA PILOTA<br>JOCKEY PUMP | | LINEA D'ASSE<br>LINESHAFT | KIT FLUSSIMETRO<br>FLOW METER KIT |
|---|---|---|---|---|---|---|---|
| VTS P1E | kW | mod. | DN | mod. | kW | mod. | mod. |
| EN VTS P1E 6G/4A EC+S4/11 | 7,5 | E13/38/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM50 - V50 |
| EN VTS P1E 6G/6A EC+S4/16 | 11 | E18/42/3L/20A | 80 | S4/16 | 1,1 | LA3/20 | CM50 - V50 |
| EN VTS P1E 6G/8A EC+S4/21 | 11 | E18/42/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM50 - V50 |
| EN VTS P1E 6G/10A EC+S4/32 | 15 | E18/42/3L/20A | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P1E 6G/12A EC+S4/32 | 18,5 | E18/42/3L/20A | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P1E 6C/4A EC+S4/11 | 11 | E18/42/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V50 |
| EN VTS P1E 6C/6A EC+S4/21 | 15 | E18/42/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P1E 6C/8A EC+S4/21 | 18,5 | E18/48/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P1E 6C/10A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V50 |
| EN VTS P1E 7L/3A EC+S4/11 | 11 | E18/42/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P1E 7L/4A EC+S4/16 | 15 | E18/42/3L/20A | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P1E 7L/5A EC+S4/21 | 18,5 | E18/42/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P1E 7L/6A EC+S4/21 | 22 | E18/48/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P1E 7L/7A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1E 7L/8A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1E 7L/9A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1E 7C/2A EC+S4/11 | 11 | E18/42/4L/20A | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P1E 7C/3A EC+S4/11 | 18,5 | E18/42/4L/20A | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P1E 7C/4A EC+S4/16 | 22 | E18/48/4L/20A | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P1E 7C/5A EC+S4/21 | 30 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1E 7C/6A EC+S4/21 | 37 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1E 7C/7A EC+S4/32 | 37 | E22/55/4/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P1E 8B/2A EC+S4/11 | 11 | E18/42/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P1E 8B/3A EC+S4/16 | 18,5 | E18/42/3L/20A | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P1E 8B/4A EC+S4/21 | 22 | E18/48/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P1E 8B/5A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1E 8B/6A EC+S4/32 | 37 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1E 8F/2A EC+S4/11 | 15 | E18/42/4L/20A | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P1E 8F/3A EC+S4/16 | 18,5 | E18/42/4L/20A | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P1E 8F/4A EC+S4/21 | 30 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1E 8F/5A EC+S4/21 | 30 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1E 8F/6A EC+S4/32 | 37 | E20/55/4/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P1E 8L/2A EC+S4/11 | 15 | E18/42/5/20A | 125 | S4/11 | 0,75 | LA5/20 | CM80 - V80 |
| EN VTS P1E 8L/3A EC+S4/16 | 22 | E18/48/5/20A | 125 | S4/16 | 1,1 | LA5/20 | CM80 - V80 |
| EN VTS P1E 8L/4A EC+S4/21 | 30 | E20/55/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P1E 8L/5A EC+S4/21 | 37 | E20/55/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P1E 8L/6A EC+S4/32 | 45 | E22/55/5/30 | 125 | S4/32 | 2,2 | LA5/24 | CM80 - V80 |
| EN VTS P1E 8C/2A EC+S4/11 | 18,5 | E18/42/5/20A | 125 | S4/11 | 0,75 | LA5/20 | CM100 - V80 |
| EN VTS P1E 8C/3A EC+S4/16 | 30 | E20/55/5/24 | 125 | S4/16 | 1,1 | LA5/24 | CM100 - V80 |
| EN VTS P1E 8C/4A EC+S4/21 | 37 | E22/55/5/30 | 125 | S4/21 | 1,5 | LA5/24 | CM100 - V80 |
| EN VTS P1E 8C/5A EC+S4/32 | 45 | E28/60/5/30 | 150 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P1E 8C/6A EC+S4/32 | 55 | E28/60/5/30 | 150 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P1E 10F/1B EC+S4/11 | 37 | E20/55/6/24 | 150 | S4/11 | 0,75 | LA6/24 | CM150 - V125 |
| EN VTS P1E 10F/1A EC+S4/11 | 45 | E22/55/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P1E 10F/2E EC+S4/11 | 45 | E22/55/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P1E 10F/2CD EC+S4/16 | 55 | E28/60/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P1E 10F/2BC EC+S4/16 | 75 | E28/65A/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P1E 10F/3CD EC+S4/21 | 90 | E28/65A/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P1E 10F/3B EC+S4/21 | 110 | E28/65A/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P1E 12B/1B EC+S4/11 | 37 | E20/55/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P1E 12B/1A EC+S4/11 | 45 | E22/55/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P1E 12B/2C EC+S4/21 | 75 | E28/65A/7/30 | 200 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P1E 12B/2B EC+S4/21 | 75 | E28/65A/7/30 | 200 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P1E 12B/3C EC+S4/32 | 110 | E28/65A/7/35 | 200 | S4/32 | 2,2 | LA7/30 | CM125 - V125 |

# IDROFIRE VTS P1E

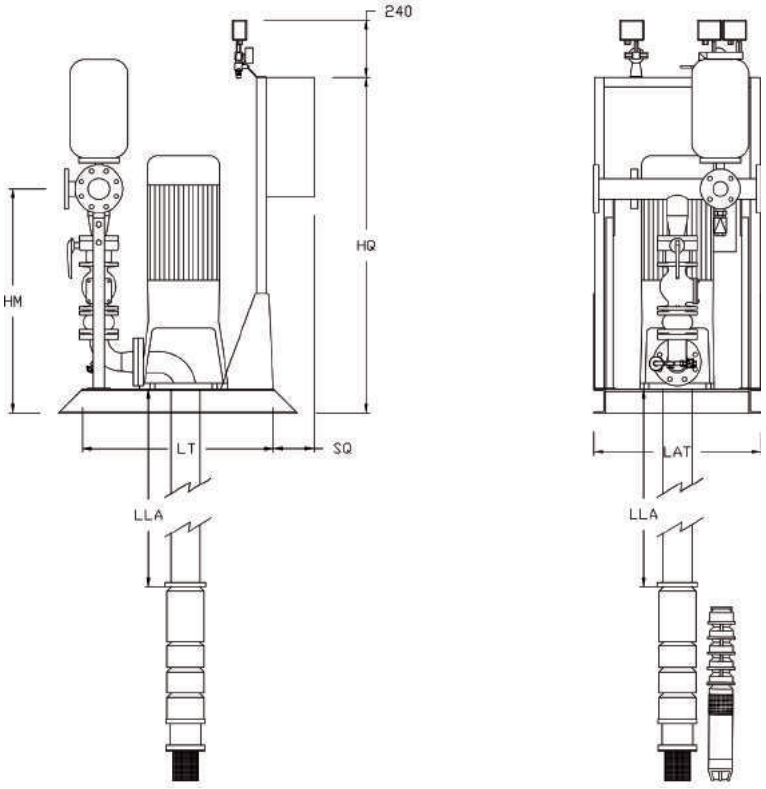
## **DIMENSIONI** DIMENSIONS




| MODELLO GRUPPO | MANDATA kit valvole | MANDATA collettore | PILOTA | HM | LAT | LT | LC | HQ | SQ | LLA |
|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | DELIVERY manifold | JOCKEY PUMP | HM | LAT | LT | LC | HQ | SQ | LLA |
| VTS P1E | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm |
| EN VTS P1E 6G/4A EC+S4/11 | 50 | 80 - F50 | 1¼" | 997 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6G/6A EC+S4/16 | 50 | 80 - F50 | 1¼" | 997 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6G/8A EC+S4/21 | 50 | 80 - F50 | 1¼" | 997 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6G/10A EC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6G/12A EC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6C/4A EC+S4/11 | 65 | 80 - F50 | 1¼" | 1050 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6C/6A EC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6C/8A EC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 6C/10A EC+S4/32 | 65 | 80 - F50 | 1¼" | 1031 | 800 | 900 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 7L/3A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 7L/4A EC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 7L/5A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 7L/6A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 7L/7A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 7L/8A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 7L/9A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 7C/2A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 7C/3A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 7C/4A EC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 7C/5A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 7C/6A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 7C/7A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8B/2A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8B/3A EC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 800 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8B/4A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8B/5A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8B/6A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |

# IDROFIRE VTS P1E

## **DIMENSIONI** DIMENSIONS




| MODELLO GRUPPO | MANDATA kit valvole | MANDATA collettore | PILOTA | HM | LAT | LT | LC | HQ | SQ | LLA |
|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | DELIVERY manifold | JOCKEY PUMP | HM | LAT | LT | LC | HQ | SQ | LLA |
| VTS P1E | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm |
| EN VTS P1E 8F/2A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8F/3A EC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8F/4A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8F/5A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8F/6A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8L/2A EC+S4/11 | 100 | 125 - F80 | 1¼" | 1169 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8L/3A EC+S4/16 | 100 | 125 - F80 | 1¼" | 1169 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8L/4A EC+S4/21 | 100 | 125 - F80 | 1¼" | 1199 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8L/5A EC+S4/21 | 100 | 125 - F80 | 1¼" | 1199 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8L/6A EC+S4/32 | 100 | 125 - F80 | 1¼" | 1199 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8C/2A EC+S4/11 | 100 | 125 - F80 | 1¼" | 1169 | 700 | 900 | 700 | 1400 | 230 | 3050 |
| EN VTS P1E 8C/3A EC+S4/16 | 100 | 125 - F80 | 1¼" | 1199 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8C/4A EC+S4/21 | 100 | 125 - F80 | 1¼" | 1199 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 8C/5A EC+S4/32 | 100 | 125 - F80 | 1¼" | 1189 | 1000 | 1300 | 1000 | 1400 | 230 | 3050 |
| EN VTS P1E 8C/6A EC+S4/32 | 100 | 125 - F80 | 1¼" | 1189 | 1000 | 1300 | 1000 | 1400 | 230 | 3050 |
| EN VTS P1E 10F/1B EC+S4/11 | 150 | 200 - F125 | 1¼" | 1464 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 10F/1A EC+S4/11 | 150 | 200 - F125 | 1¼" | 1464 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 10F/2E EC+S4/11 | 150 | 200 - F125 | 1¼" | 1464 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 10F/2CD EC+S4/16 | 150 | 200 - F125 | 1¼" | 1454 | 1000 | 1300 | 1000 | 1400 | 230 | 3050 |
| EN VTS P1E 10F/2BC EC+S4/16 | 150 | 200 - F125 | 1¼" | 1454 | 1000 | 1300 | 1000 | 1400 | 330 | 3050 |
| EN VTS P1E 10F/3CD EC+S4/21 | 150 | 200 - F125 | 1¼" | 1454 | 1100 | 1300 | 1100 | 1400 | 330 | 3050 |
| EN VTS P1E 10F/3B EC+S4/21 | 150 | 200 - F125 | 1¼" | 1454 | 1100 | 1300 | 1100 | 1400 | 330 | 3050 |
| EN VTS P1E 12B/1B EC+S4/11 | 150 | 200 - F125 | 1¼" | 1464 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 12B/1A EC+S4/11 | 150 | 200 - F125 | 1¼" | 1464 | 800 | 1100 | 800 | 1400 | 230 | 3050 |
| EN VTS P1E 12B/2C EC+S4/21 | 150 | 200 - F125 | 1¼" | 1454 | 1000 | 1300 | 1000 | 1400 | 330 | 3050 |
| EN VTS P1E 12B/2B EC+S4/21 | 150 | 200 - F125 | 1¼" | 1454 | 1000 | 1300 | 1000 | 1400 | 330 | 3050 |
| EN VTS P1E 12B/3C EC+S4/32 | 150 | 200 - F125 | 1¼" | 1454 | 1100 | 1300 | 1100 | 1400 | 330 | 3050 |

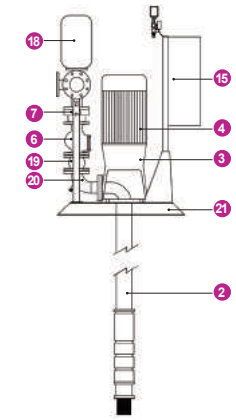
# IDROFIRE **VTS P2E**

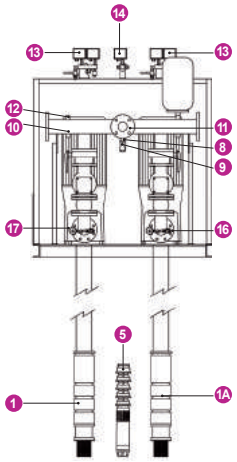
## N.1 ELETTROPOMPA DI SERVIZIO + N.1 ELETTROPOMPA DI RISERVA + PILOTA
## NR.1 MAIN ELECTRIC PUMP + NR.1 BACKUP ELECTRIC PUMP + JOCKEY PUMP

## ELENCO COMPONENTI
## COMPONENT LIST

1. Pompa di servizio del tipo verticale
1A. Pompa di riserva del tipo verticale
2. Linea d'asse per pompa di servizio e pompa di riserva
3. Gruppo di comando per collegamento tra pompa e motore (servizio e riserva)
4. Motore elettrico per pompa di servizio e pompa di riserva
5. Elettropompa pilota sommersa
6. Valvola di ritegno a clapet
7. Valvola di intercettazione lucchettabile
8. Valvola di ritegno
9. Valvola di intercettazione a sfera con leva
10. Collettore di mandata reversibile completo di flangia cieca
11. Derivazione per collettore di prova di portata
12. Predisposizione per kit sprinkler
13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro;
15. Quadri elettrici di comando (uno per ogni pompa)
16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
17. Manometro 0-16 bar
18. Serbatoio Autoclave 24 lt PN16
19. Giunto di compensazione in gomma
20. Curva 90° biflangiata
21. Telaio

1. Vertical service pump
1A. Backup vertical pump
2. Line schaft for service pump and backup pump
3. Drive unit to link pump and engine (service and backup)
4. Electrical engine for service pump and backup pump
5. Jockey submersible pump
6. Swing Check Valve ("Clapet" Valve)
7. Shut-off valve lockable
8. Check valve
9. Ball valve with level
10. Reversible delivery manifold with blind flange
11. Shunt for flow meter
12. Predisposition for sprinkler kit
13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
14. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
15. Electrical control panels (one for each pump)
16. Kit recycling diaphragm complete with visual flow indicator
17. Pressure gauge 0-16 bar
18. Diaphragm pressure vessel 24LT PN16
19. Rubber strain neutralizer
20. Biflanged 90° curve
21. Frame



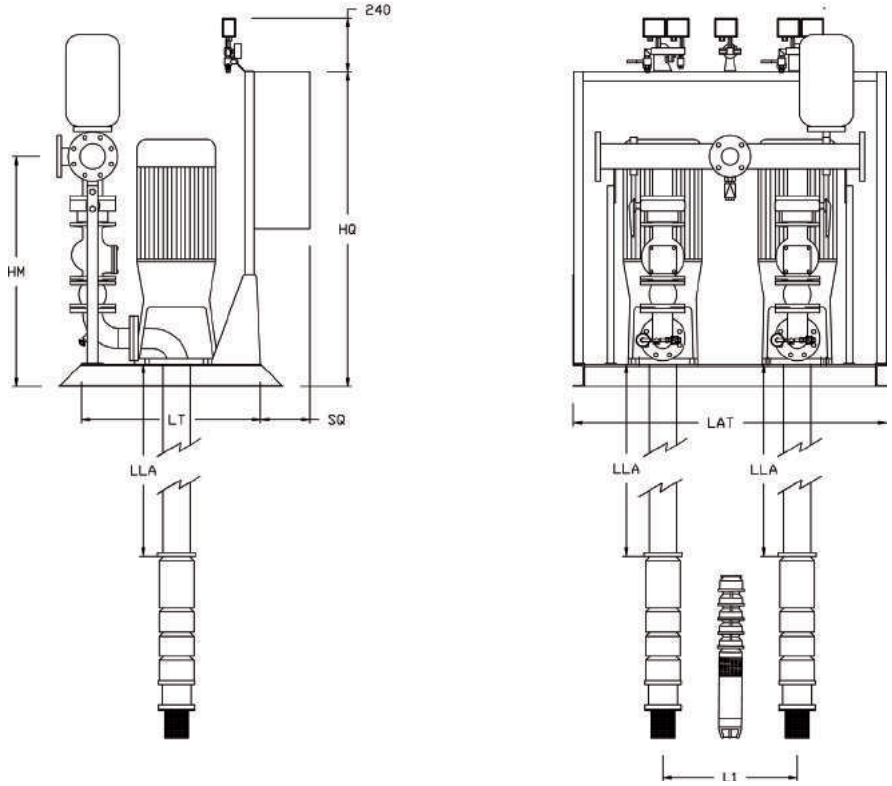
# IDROFIRE VTS P2E

## DATI TECNICI TECHNICAL DATA

| MODELLO GRUPPO<br>MODEL GROUP | ELETTROPOMPA<br>motore elettrico \| gruppo di comando<br>ELECTRIC PUMP<br>electric engine \| drive unit on the surface | | | ELETTROPOMPA PILOTA<br>JOCKEY PUMP | | LINEA D'ASSE<br>LINESHAFT | KIT FLUSSIMETRO<br>FLOW METER KIT |
|---|---|---|---|---|---|---|---|
| VTS P2E | kW | mod. | DN | mod. | kW | mod. | mod. |
| EN VTS P2E 6G/4A EC+S4/11 | 7,5 | E13/38/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM50 - V50 |
| EN VTS P2E 6G/6A EC+S4/16 | 11 | E18/42/3L/20A | 80 | S4/16 | 1,1 | LA3/20 | CM50 - V50 |
| EN VTS P2E 6G/8A EC+S4/21 | 11 | E18/42/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM50 - V50 |
| EN VTS P2E 6G/10A EC+S4/32 | 15 | E18/42/3L/20A | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P2E 6G/12A EC+S4/32 | 18,5 | E18/42/3L/20A | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P2E 6C/4A EC+S4/11 | 11 | E18/42/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V50 |
| EN VTS P2E 6C/6A EC+S4/21 | 15 | E18/42/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P2E 6C/8A EC+S4/21 | 18,5 | E18/48/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P2E 6C/10A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V50 |
| EN VTS P2E 7L/3A EC+S4/11 | 11 | E18/42/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P2E 7L/4A EC+S4/16 | 15 | E18/42/3L/20A | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P2E 7L/5A EC+S4/21 | 18,5 | E18/42/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P2E 7L/6A EC+S4/21 | 22 | E18/48/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P2E 7L/7A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2E 7L/8A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2E 7L/9A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2E 7C/2A EC+S4/11 | 11 | E18/42/4L/20A | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P2E 7C/3A EC+S4/11 | 18,5 | E18/42/4L/20A | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P2E 7C/4A EC+S4/16 | 22 | E18/48/4L/20A | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P2E 7C/5A EC+S4/21 | 30 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2E 7C/6A EC+S4/21 | 37 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2E 7C/7A EC+S4/32 | 37 | E22/55/4/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P2E 8B/2A EC+S4/11 | 11 | E18/42/3L/20A | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P2E 8B/3A EC+S4/16 | 18,5 | E18/42/3L/20A | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P2E 8B/4A EC+S4/21 | 22 | E18/48/3L/20A | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P2E 8B/5A EC+S4/32 | 30 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2E 8B/6A EC+S4/32 | 37 | E20/55/3/24 | 100 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2E 8F/2A EC+S4/11 | 15 | E18/42/4L/20A | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P2E 8F/3A EC+S4/16 | 18,5 | E18/42/4L/20A | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P2E 8F/4A EC+S4/21 | 30 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2E 8F/5A EC+S4/21 | 30 | E20/55/4/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2E 8F/6A EC+S4/32 | 37 | E20/55/4/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P2E 8L/2A EC+S4/11 | 15 | E18/42/5/20A | 125 | S4/11 | 0,75 | LA5/20 | CM80 - V80 |
| EN VTS P2E 8L/3A EC+S4/16 | 22 | E18/48/5/20A | 125 | S4/16 | 1,1 | LA5/20 | CM80 - V80 |
| EN VTS P2E 8L/4A EC+S4/21 | 30 | E20/55/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P2E 8L/5A EC+S4/21 | 37 | E20/55/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P2E 8L/6A EC+S4/32 | 45 | E22/55/5/30 | 125 | S4/32 | 2,2 | LA5/24 | CM80 - V80 |
| EN VTS P2E 8C/2A EC+S4/11 | 18,5 | E18/42/5/20A | 125 | S4/11 | 0,75 | LA5/20 | CM100 - V80 |
| EN VTS P2E 8C/3A EC+S4/16 | 30 | E20/55/5/24 | 125 | S4/16 | 1,1 | LA5/24 | CM100 - V80 |
| EN VTS P2E 8C/4A EC+S4/21 | 37 | E22/55/5/30 | 125 | S4/21 | 1,5 | LA5/24 | CM100 - V80 |
| EN VTS P2E 8C/5A EC+S4/32 | 45 | E28/60/5/30 | 150 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P2E 8C/6A EC+S4/32 | 55 | E28/60/5/30 | 150 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P2E 10F/1B EC+S4/11 | 37 | E20/55/6/24 | 150 | S4/11 | 0,75 | LA6/24 | CM150 - V125 |
| EN VTS P2E 10F/1A EC+S4/11 | 45 | E22/55/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P2E 10F/2E EC+S4/11 | 45 | E22/55/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P2E 10F/2CD EC+S4/16 | 55 | E28/60/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P2E 10F/2BC EC+S4/16 | 75 | E28/65A/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P2E 10F/3CD EC+S4/21 | 90 | E28/65A/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P2E 10F/3B EC+S4/21 | 110 | E28/65A/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P2E 12B/1B EC+S4/11 | 37 | E20/55/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P2E 12B/1A EC+S4/11 | 45 | E22/55/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P2E 12B/2C EC+S4/21 | 75 | E28/65A/7/30 | 200 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P2E 12B/2B EC+S4/21 | 75 | E28/65A/7/30 | 200 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P2E 12B/3C EC+S4/32 | 110 | E28/65A/7/35 | 200 | S4/32 | 2,2 | LA7/30 | CM125 - V125 |

# IDROFIRE VTS P2E

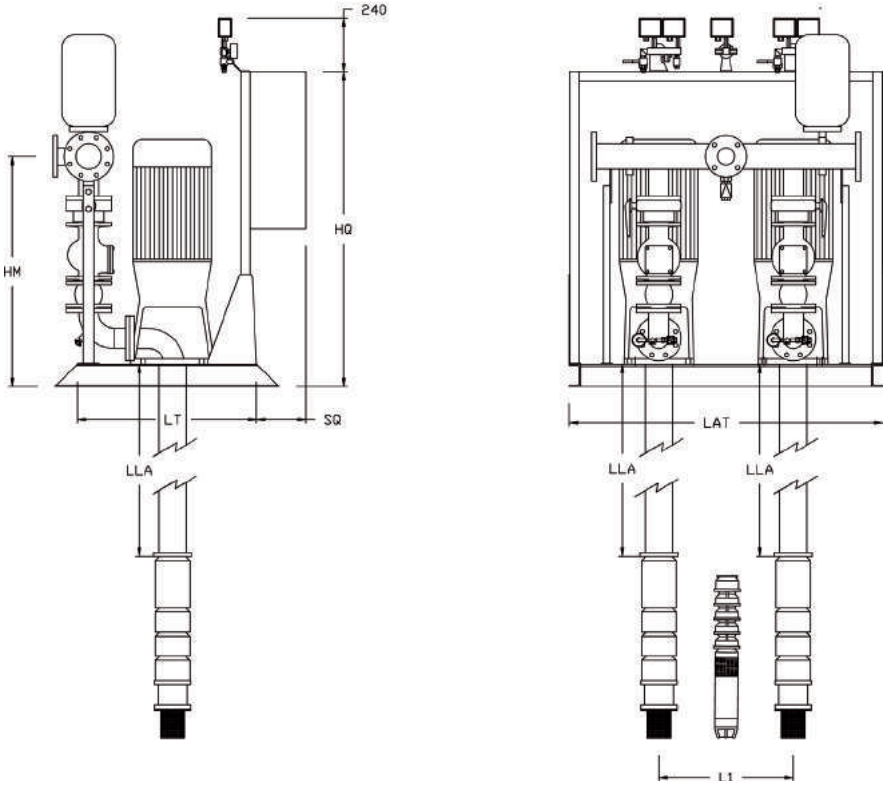
## **DIMENSIONI** DIMENSIONS




| **MODELLO GRUPPO** | **MANDATA** kit valvole | collettore | **PILOTA** | **HM** | **LAT** | **LT** | **LC** | **L1** | **HQ** | **SQ** | **LLA** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | JOCKEY PUMP | HM | LAT | LT | LC | L1 | HQ | SQ | LLA |
| VTS P2E | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN VTS P2E 6G/4A EC+S4/11 | 50 | 80 - F50 | 1¼" | 997 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6G/6A EC+S4/16 | 50 | 80 - F50 | 1¼" | 997 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6G/8A EC+S4/21 | 50 | 80 - F50 | 1¼" | 997 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6G/10A EC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6G/12A EC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6C/4A EC+S4/11 | 65 | 80 - F50 | 1¼" | 1050 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6C/6A EC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6C/8A EC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1100 | 900 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 6C/10A EC+S4/32 | 65 | 80 - F50 | 1¼" | 1031 | 1100 | 900 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7L/3A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7L/4A EC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7L/5A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7L/6A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 900 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7L/7A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 1100 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7L/8A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 1100 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7L/9A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 1100 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7C/2A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 900 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7C/3A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 900 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7C/4A EC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 900 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7C/5A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 1100 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7C/6A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 1100 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 7C/7A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 1100 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 8B/2A EC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1100 | 800 | 1000 | 500 | 1400 | 230 | 3050 |
| EN VTS P2E 8B/3A EC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 800 | 1300 | 600 | 1400 | 230 | 3050 |
| EN VTS P2E 8B/4A EC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 900 | 1300 | 600 | 1400 | 230 | 3050 |
| EN VTS P2E 8B/5A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| EN VTS P2E 8B/6A EC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |

# IDROFIRE VTS P2E

## **DIMENSIONI** DIMENSIONS




| **MODELLO GRUPPO** | **MANDATA** kit valvole | collettore | **PILOTA** | **HM** | **LAT** | **LT** | **LC** | **L1** | **HQ** | **SQ** | **LLA** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | JOCKEY PUMP | HM | LAT | LT | LC | L1 | HQ | SQ | LLA |
| VTS P2E | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| **EN VTS P2E 8F/2A EC+S4/11** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 900 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8F/3A EC+S4/16** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 900 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8F/4A EC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8F/5A EC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8F/6A EC+S4/32** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8L/2A EC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1400 | 900 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8L/3A EC+S4/16** | 100 | 125 - F80 | 1¼" | 1169 | 1400 | 900 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8L/4A EC+S4/21** | 100 | 125 - F80 | 1¼" | 1199 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8L/5A EC+S4/21** | 100 | 125 - F80 | 1¼" | 1199 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8L/6A EC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8C/2A EC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1400 | 900 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8C/3A EC+S4/16** | 100 | 125 - F80 | 1¼" | 1199 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8C/4A EC+S4/21** | 100 | 125 - F80 | 1¼" | 1199 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 8C/5A EC+S4/32** | 100 | 125 - F80 | 1¼" | 1189 | 1400 | 1300 | 1300 | 750 | 1400 | 230 | 3050 |
| **EN VTS P2E 8C/6A EC+S4/32** | 100 | 125 - F80 | 1¼" | 1189 | 1400 | 1300 | 1300 | 750 | 1400 | 230 | 3050 |
| **EN VTS P2E 10F/1B EC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 10F/1A EC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 10F/2E EC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1400 | 1100 | 1300 | 600 | 1400 | 230 | 3050 |
| **EN VTS P2E 10F/2CD EC+S4/16** | 150 | 200 - F125 | 1¼" | 1454 | 1400 | 1300 | 1300 | 750 | 1400 | 230 | 3050 |
| **EN VTS P2E 10F/2BC EC+S4/16** | 150 | 200 - F125 | 1¼" | 1454 | 1400 | 1300 | 1300 | 600 | 1400 | 330 | 3050 |
| **EN VTS P2E 10F/3CD EC+S4/21** | 150 | 200 - F125 | 1¼" | 1454 | 1400 | 1300 | 1300 | 600 | 1400 | 330 | 3050 |
| **EN VTS P2E 10F/3B EC+S4/21** | 150 | 200 - F125 | 1¼" | 1454 | 1600 | 1300 | 1500 | 750 | 1400 | 330 | 3050 |
| **EN VTS P2E 12B/1B EC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 1100 | 1500 | 750 | 1400 | 230 | 3050 |
| **EN VTS P2E 12B/1A EC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 1100 | 1500 | 750 | 1400 | 230 | 3050 |
| **EN VTS P2E 12B/2C EC+S4/21** | 150 | 200 - F125 | 1¼" | 1454 | 1900 | 1300 | 1800 | 750 | 1400 | 330 | 3050 |
| **EN VTS P2E 12B/2B EC+S4/21** | 150 | 200 - F125 | 1¼" | 1454 | 1900 | 1300 | 1800 | 750 | 1400 | 330 | 3050 |
| **EN VTS P2E 12B/3C EC+S4/32** | 150 | 200 - F125 | 1¼" | 1454 | 1900 | 1300 | 1800 | 750 | 1400 | 330 | 3050 |

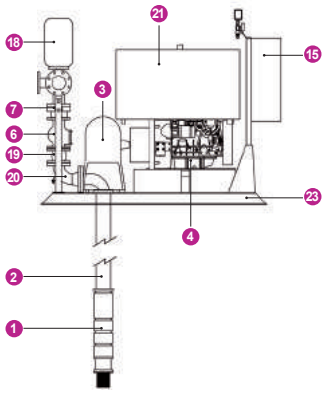
# IDROFIRE VTS P1M

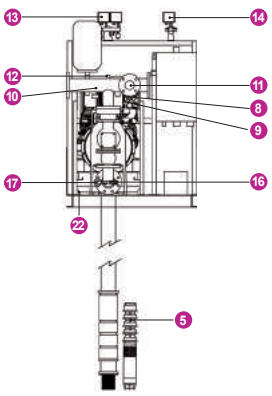
## N.1 MOTOPOMPA DI SERVIZIO + PILOTA
## NR.1 MAIN DIESEL MOTOR PUMP + JOCKEY PUMP

## ELENCO COMPONENTI
## COMPONENT LIST

1. Pompa di servizio del tipo verticale
2. Linea d'asse
3. Gruppo di comando con rinvio ad angolo per collegamento tra pompa e motore Diesel
4. Motore Diesel
5. Elettropompa pilota sommersa
6. Valvola di ritegno a clapet
7. Valvola di intercettazione lucchettabile
8. Valvola di ritegno
9. Valvola di intercettazione a sfera con leva
10. Collettore di mandata reversibile completo di flangia cieca
11. Derivazione per collettore di prova di portata
12. Predisposizione per kit sprinkler
13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
15. Quadri elettrici di comando (uno per ogni pompa)
16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
17. Manometro 0-16 bar
18. Serbatoio Autoclave 24 lt PN16
19. Giunto di compensazione in gomma
20. Curva 90° biflangiata
21. Serbatoio gasolio per motore Diesel
22. Giunti antivibranti in gomma
23. Telaio

1. Vertical service pump
2. Shaft line
3. Right angle drive unit to link the pump and the diesel engine
4. Motore Diesel engine
5. Submersible jockey pump
6. Swing Check Valve ("Clapet" Valve)
7. Shut-off valve lockable
8. Check valve
9. Ball valve with level
10. Reversible delivery manifold with blind flange
11. Shunt for flow meter
12. Predisposition for sprinkler kit
13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
14. Starting kit for jockey electric pump composed by 1pressure switch with integrated test button, 1 pressure gauge
15. Electrical control panels (one for each pump)
16. Kit recycling diaphragm complete with visual flow indicator
17. Pressure gauge 0-16 bar
18. Diaphragm pressure vessel 24LT PN16
19. Rubber strain neutralizer
20. biflanged 90° curve
21. Fuel tank for diesel engine
22. Rubber anti-vibration joints
23. Frame



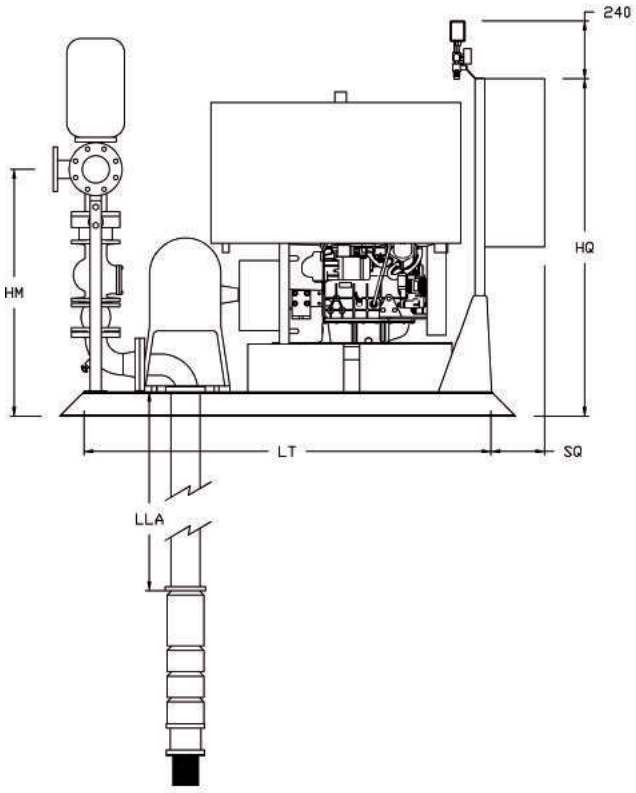
# IDROFIRE VTS P1M

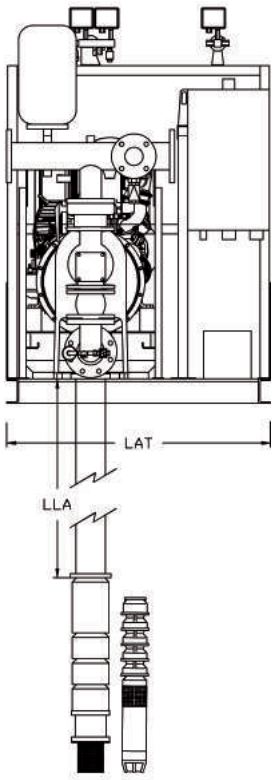
## DATI TECNICI TECHNICAL DATA

| MODELLO GRUPPO<br>MODEL GROUP | MOTOPOMPA<br>MOTOR PUMP | | | | | ELETTROPOMPA PILOTA<br>JOCKEY PUMP | | LINEA D'ASSE<br>LINESHAFT | KIT FLUSSIMETRO<br>FLOW METER KIT |
|---|---|---|---|---|---|---|---|---|---|
| | motore diesel<br>disel engine | | | rinvio ad angolo<br>right angle drive unit | | | | | |
| VTS P1M | mod. | kW NA | kW NA | mod. | DN | mod. | kW | mod. | mod. |
| EN VTS P1M 6G/4A LC+S4/11 | 15LD440 | 6,2 | 6,7 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM50 - V50 |
| EN VTS P1M 6G/6A LC+S4/16 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM50 - V50 |
| EN VTS P1M 6G/8A LC+S4/21 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM50 - V50 |
| EN VTS P1M 6G/10A LC+S4/32 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P1M 6G/12A LC+S4/32 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P1M 6C/4A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V50 |
| EN VTS P1M 6C/6A LC+S4/21 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P1M 6C/8A LC+S4/21 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P1M 6C/10A LC+S4/32 | 11LD626/3 | 24 | 26 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V50 |
| EN VTS P1M 7L/3A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P1M 7L/4A LC+S4/16 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P1M 7L/5A LC+S4/21 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P1M 7L/6A LC+S4/21 | 11LD626/3 | 24 | 26 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P1M 7L/7A LC+S4/32 | 11LD626/3 | 24 | 26 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1M 7L/8A VC+S4/32 | D703LE0 | 33 | 37 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1M 7L/9A VC+S4/32 | D703LE0 | 33 | 37 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1M 7C/2A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P1M 7C/3A LC+S4/11 | 9LD625/2 | 17 | 18,9 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P1M 7C/4A LC+S4/16 | 11LD626/3 | 24 | 26 | R16/4L/20 | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P1M 7C/5A VC+S4/21 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1M 7C/6A VC+S4/21 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1M 7C/7A VC+S4/32 | D703LTE0 | 48 | 53 | R26/4L/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P1M 8B/2A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P1M 8B/3A LC+S4/16 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P1M 8B/4A LC+S4/21 | 11LD626/3 | 24 | 26 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P1M 8B/5A VC+S4/32 | D703LE0 | 33 | 37 | R26/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1M 8B/6A VC+S4/32 | D703LE0 | 33 | 37 | R26/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P1M 8F/2A LC+S4/11 | 12LD477/2 | 13,6 | 15 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P1M 8F/3A LC+S4/16 | 9LD625/2 | 17 | 18,9 | R16/4L/20 | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P1M 8F/4A LC+S4/21 | 11LD626/3 | 24 | 26 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1M 8F/5A VC+S4/21 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P1M 8F/6A VC+S4/32 | D703LTE0 | 48 | 53 | R26/4L/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P1M 8L/2A LC+S4/11 | 12LD477/2 | 13,6 | 15 | R16/5/20 | 125 | S4/11 | 0,75 | LA5/20 | CM80 - V80 |
| EN VTS P1M 8L/3A LC+S4/16 | 11LD626/3 | 24 | 26 | R16/5/20 | 125 | S4/16 | 1,1 | LA5/20 | CM80 - V80 |
| EN VTS P1M 8L/4A VC+S4/21 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P1M 8L/5A VC+S4/21 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P1M 8L/6A VC+S4/32 | D703LTE0 | 48 | 53 | R26/5/24 | 125 | S4/32 | 2,2 | LA5/24 | CM80 - V80 |
| EN VTS P1M 8C/2A LC+S4/11 | 9LD625/2 | 17 | 18,9 | R16/5/20 | 125 | S4/11 | 0,75 | LA5/20 | CM100 - V80 |
| EN VTS P1M 8C/3A VC+S4/16 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/16 | 1,1 | LA5/24 | CM100 - V80 |
| EN VTS P1M 8C/4A VC+S4/21 | D703LTE0 | 48 | 53 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM100 - V80 |
| EN VTS P1M 8C/5A VC+S4/32 | D703LTE0 | 48 | 53 | R42/5/30 | 125 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P1M 8C/6A VC+S4/32 | D754TPE2 | 65 | 73 | R42/5/30 | 125 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P1M 10F/1B VC+S4/11 | D703LE0 | 33 | 37 | R26/6/24 | 125 | S4/11 | 0,75 | LA6/24 | CM150 - V125 |
| EN VTS P1M 10F/1A VC+S4/11 | D703LTE0 | 48 | 53 | R26/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P1M 10F/2E VC+S4/11 | D703LTE0 | 48 | 53 | R42/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P1M 10F/2CD VC+S4/16 | D754TPE2 | 65 | 73 | R42/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P1M 10F/2BC VC+S4/16 | D754TPE2 | 65 | 73 | R42/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P1M 10F/3CD VC+S4/21 | D756IPE2 | 100 | 110 | R75/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P1M 10F/3B VC+S4/21 | D756IPE2 | 100 | 110 | R75/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P1M 12B/1B VC+S4/11 | D703LTE0 | 48 | 53 | R26/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P1M 12B/1A VC+S4/11 | D703LTE0 | 48 | 53 | R42/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P1M 12B/2C VC+S4/21 | D754TPE2 | 65 | 73 | R75/7/30 | 175 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P1M 12B/2B VC+S4/21 | D756IPE2 | 100 | 110 | R75/7/30 | 175 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P1M 12B/3C VC+S4/32 | D756IPE2 | 100 | 110 | R75/7/30 | 175 | S4/32 | 2,2 | LA7/30 | CM125 - V125 |

# IDROFIRE VTS P1M

## **DIMENSIONI** DIMENSIONS

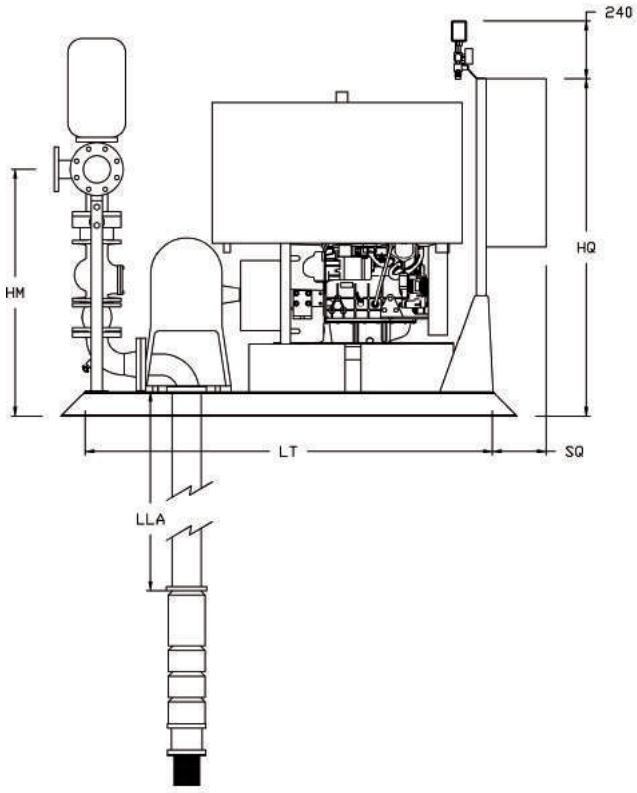


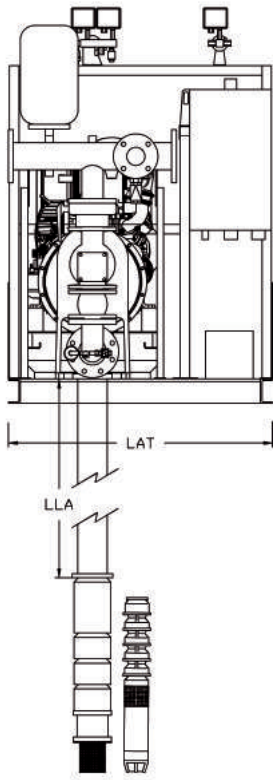




| MODELLO GRUPPO | MANDATA kit valvole | MANDATA collettore | PILOTA | HM | LAT | LT | LC | HQ | SQ | LLA |
|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | DELIVERY manifold | JOCKEY PUMP | HM | LAT | LT | LC | HQ | SQ | LLA |
| VTS P1M | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm |
| EN VTS P1M 6G/4A LC+S4/11 | 50 | 80 - F50 | 1¼" | 997 | 1000 | 1400 | 700 | 1400 | 230 | 3050 |
| EN VTS P1M 6G/6A LC+S4/16 | 50 | 80 - F50 | 1¼" | 997 | 1000 | 1400 | 700 | 1401 | 230 | 3050 |
| EN VTS P1M 6G/8A LC+S4/21 | 50 | 80 - F50 | 1¼" | 997 | 1000 | 1600 | 700 | 1402 | 230 | 3050 |
| EN VTS P1M 6G/10A LC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1200 | 1600 | 900 | 1403 | 230 | 3050 |
| EN VTS P1M 6G/12A LC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1200 | 1600 | 900 | 1404 | 230 | 3050 |
| EN VTS P1M 6C/4A LC+S4/11 | 65 | 80 - F50 | 1¼" | 1050 | 1000 | 1400 | 700 | 1405 | 230 | 3050 |
| EN VTS P1M 6C/6A LC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1000 | 1600 | 700 | 1406 | 230 | 3050 |
| EN VTS P1M 6C/8A LC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1200 | 1600 | 900 | 1407 | 230 | 3050 |
| EN VTS P1M 6C/10A LC+S4/32 | 65 | 80 - F50 | 1¼" | 1050 | 1400 | 1800 | 1100 | 1408 | 230 | 3050 |
| EN VTS P1M 7L/3A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1400 | 700 | 1409 | 230 | 3050 |
| EN VTS P1M 7L/4A LC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1600 | 700 | 1410 | 230 | 3050 |
| EN VTS P1M 7L/5A LC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1200 | 1600 | 900 | 1411 | 230 | 3050 |
| EN VTS P1M 7L/6A LC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1100 | 1412 | 230 | 3050 |
| EN VTS P1M 7L/7A LC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1100 | 1413 | 230 | 3050 |
| EN VTS P1M 7L/8A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1414 | 230 | 3050 |
| EN VTS P1M 7L/9A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1415 | 230 | 3050 |
| EN VTS P1M 7C/2A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1400 | 700 | 1416 | 230 | 3050 |
| EN VTS P1M 7C/3A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1200 | 1600 | 900 | 1417 | 230 | 3050 |
| EN VTS P1M 7C/4A LC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1100 | 1418 | 230 | 3050 |
| EN VTS P1M 7C/5A VC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1419 | 230 | 3050 |
| EN VTS P1M 7C/6A VC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1420 | 230 | 3050 |
| EN VTS P1M 7C/7A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1421 | 230 | 3050 |
| EN VTS P1M 8B/2A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1400 | 700 | 1422 | 230 | 3050 |
| EN VTS P1M 8B/3A LC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1200 | 1600 | 900 | 1423 | 230 | 3050 |
| EN VTS P1M 8B/4A LC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1100 | 1424 | 230 | 3050 |
| EN VTS P1M 8B/5A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1425 | 230 | 3050 |
| EN VTS P1M 8B/6A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1426 | 230 | 3050 |

# IDROFIRE VTS P1M

## **DIMENSIONI** DIMENSIONS

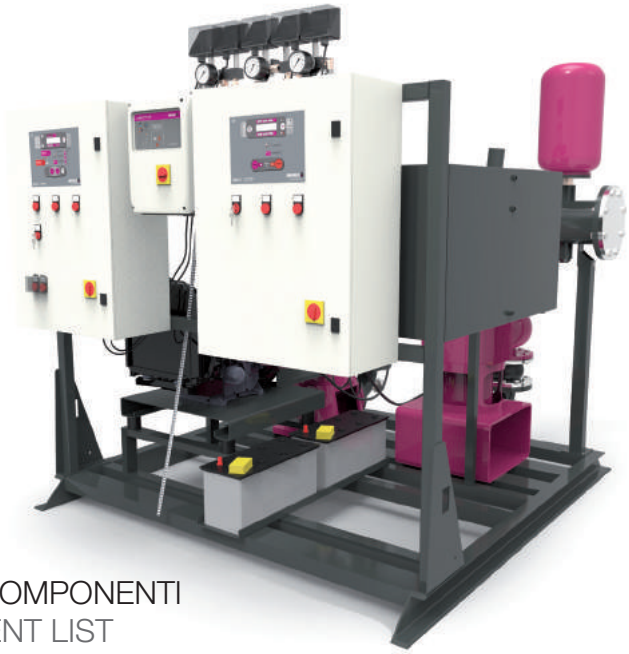


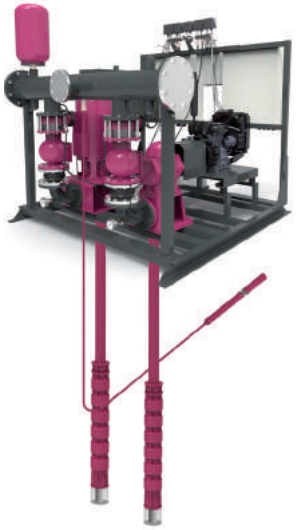




| **MODELLO GRUPPO** | **MANDATA** kit valvole | collettore | **PILOTA** | **HM** | **LAT** | **LT** | **LC** | **HQ** | **SQ** | **LLA** |
|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | JOCKEY PUMP | HM | LAT | LT | LC | HQ | SQ | LLA |
| VTS P1M | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm |
| **EN VTS P1M 8F/2A LC+S4/11** | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1600 | 700 | 1427 | 230 | 3050 |
| **EN VTS P1M 8F/3A LC+S4/16** | 80 | 100 - F65 | 1¼" | 1047 | 1200 | 1600 | 900 | 1428 | 230 | 3050 |
| **EN VTS P1M 8F/4A LC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1100 | 1429 | 230 | 3050 |
| **EN VTS P1M 8F/5A VC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1430 | 230 | 3050 |
| **EN VTS P1M 8F/6A VC+S4/32** | 80 | 100 - F65 | 1¼" | 1047 | 1000 | 1800 | 700 | 1431 | 230 | 3050 |
| **EN VTS P1M 8L/2A LC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1000 | 1600 | 700 | 1432 | 230 | 3050 |
| **EN VTS P1M 8L/3A LC+S4/16** | 100 | 125 - F80 | 1¼" | 1169 | 1400 | 1800 | 1100 | 1433 | 230 | 3050 |
| **EN VTS P1M 8L/4A VC+S4/21** | 100 | 125 - F80 | 1¼" | 1169 | 1000 | 2000 | 700 | 1434 | 230 | 3050 |
| **EN VTS P1M 8L/5A VC+S4/21** | 100 | 125 - F80 | 1¼" | 1169 | 1000 | 2000 | 700 | 1435 | 230 | 3050 |
| **EN VTS P1M 8L/6A VC+S4/32** | 100 | 125 - F80 | 1¼" | 1169 | 1000 | 2000 | 700 | 1436 | 230 | 3050 |
| **EN VTS P1M 8C/2A LC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1200 | 1600 | 900 | 1437 | 230 | 3050 |
| **EN VTS P1M 8C/3A VC+S4/16** | 100 | 125 - F80 | 1¼" | 1169 | 1000 | 2000 | 700 | 1438 | 230 | 3050 |
| **EN VTS P1M 8C/4A VC+S4/21** | 100 | 125 - F80 | 1¼" | 1169 | 1000 | 2000 | 700 | 1439 | 230 | 3050 |
| **EN VTS P1M 8C/5A VC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1000 | 2000 | 700 | 1440 | 230 | 3050 |
| **EN VTS P1M 8C/6A VC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1000 | 2300 | 700 | 1441 | 230 | 3050 |
| **EN VTS P1M 10F/1B VC+S4/11** | 150 | 200 - F125 | 1¼" | 1434 | 1000 | 2000 | 700 | 1442 | 230 | 3050 |
| **EN VTS P1M 10F/1A VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2000 | 700 | 1443 | 230 | 3050 |
| **EN VTS P1M 10F/2E VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2000 | 700 | 1444 | 230 | 3050 |
| **EN VTS P1M 10F/2CD VC+S4/16** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2300 | 700 | 1445 | 230 | 3050 |
| **EN VTS P1M 10F/2BC VC+S4/16** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2300 | 700 | 1446 | 230 | 3050 |
| **EN VTS P1M 10F/3CD VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2500 | 700 | 1447 | 230 | 3050 |
| **EN VTS P1M 10F/3B VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2500 | 700 | 1448 | 230 | 3050 |
| **EN VTS P1M 12B/1B VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2000 | 700 | 1449 | 230 | 3050 |
| **EN VTS P1M 12B/1A VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2000 | 700 | 1450 | 230 | 3050 |
| **EN VTS P1M 12B/2C VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2300 | 700 | 1451 | 230 | 3050 |
| **EN VTS P1M 12B/2B VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2500 | 700 | 1452 | 230 | 3050 |
| **EN VTS P1M 12B/3C VC+S4/32** | 150 | 200 - F125 | 1¼" | 1464 | 1000 | 2500 | 700 | 1453 | 230 | 3050 |

# IDROFIRE VTS PEM

## N.1 ELETTROPOMPA DI SERVIZIO + N.1 MOTOPOMPA DI RISERVA + PILOTA
## NR.1 MAIN ELECTRIC PUMP + NR.1 BACKUP DIESEL MOTOR PUMP + JOCKEY PUMP

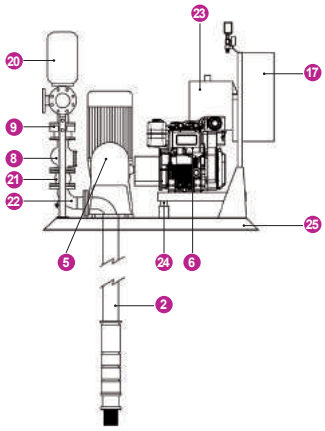


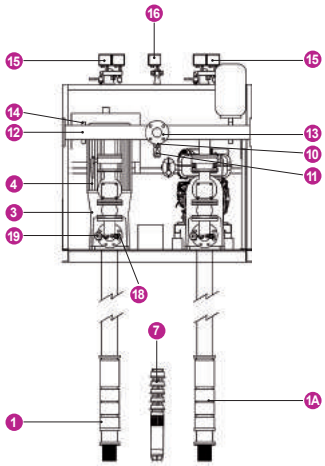


## ELENCO COMPONENTI
## COMPONENT LIST

1. Pompa di servizio del tipo verticale
1A. Pompa di riserva del tipo verticale
2. Linea d'asse per pompa di servizio e pompa di riserva
3. Gruppo di comando con rinvio ad angolo per collegamento tra pompa (di servizio) e motore Diesel
4. Motore elettrico per pompa di servizio e di riserva
5. Gruppo di comando con rinvio ad angolo per collegamento tra pompa (di riserva) e motore Diesel
6. Motore Diesel
7. Elettropompa pilota sommersa
8. Valvola di ritegno a clapet
9. Valvola di intercettazione lucchettabile
10. Valvola di ritegno
11. Valvola di intercettazione a sfera con leva
12. Collettore di mandata reversibile completo di flangia cieca
13. Derivazione per collettore di prova di portata
14. Predisposizione per kit sprinkler
15. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
16. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
17. Quadri elettrici di comando (uno per ogni pompa)
18. Kit diaframma di ricircolo completo di indicatore visivo di flusso
19. Manometro 0-16 bar
20. Serbatoio Autoclave 24 lt PN16
21. Giunto di compensazione in gomma
22. Curva 90° biflangiata
23. Serbatoio gasolio per motore Diesel
24. Giunti antivibranti in gomma
25. Telaio

1. Service vertical pump
1A. Backup vertical pump
2. Shaft line for service and backup pump
3. Drive unit to link the pump (service) and electrical \ engine
4. Electrical engine for service pump and backup pump
5. Right angle drive unit to link the pump (backup) and the diesel engine
6. Diesel engine
7. Submersible jockey pump
8. Swing Check Valve ("Clapet" Valve)
9. Shut-off valve lockable
10. Check valve
11. Ball valve with level
12. Reversible delivery manifold with blind flange
13. Shunt for flow meter
14. Predisposition for sprinkler kit
15. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
16. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
17. Electrical control panels (one for each pump)
18. Kit recycling diaphragm complete with visual flow indicator
19. Pressure gauge 0-16 bar
20. Diaphragm pressure vessel 24LT PN16
21. Rubber strain neutralizer
22. Biflanged 90° curve
23. Fuel tank for diesel engine
24. Rubber anti-vibration joints
25. Frame



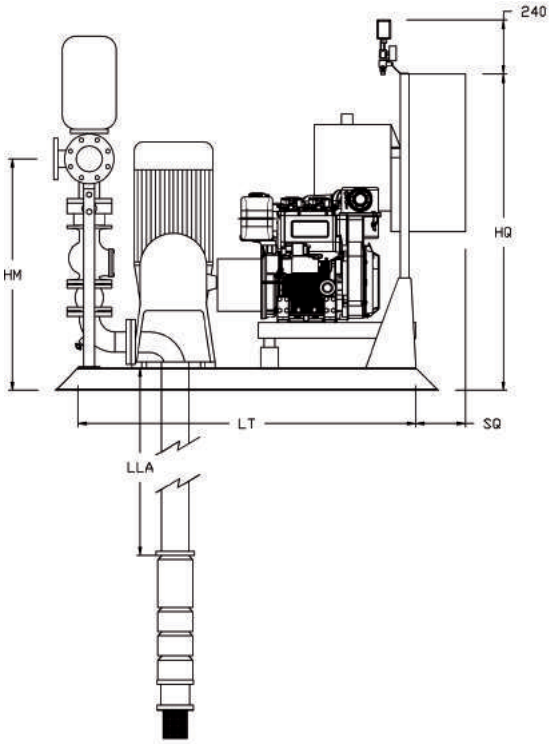
# IDROFIRE VTS PEM

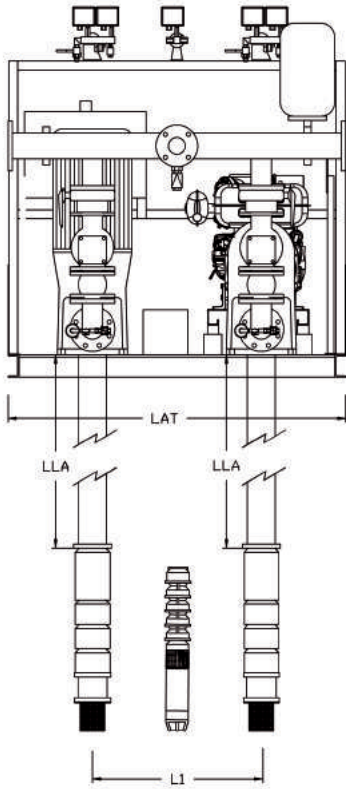
**DATI TECNICI** TECHNICAL DATA

| MODELLO GRUPPO | ELETTROPOMPA | | | MOTOPOMPA | | | | | ELETTROPOMPA PILOTA | | LINEA D'ASSE | KIT FLUSSIMETRO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mot. elett. | gruppo di comando | | mot. diesel | | | rinvio ad angolo | | | | | |
| MODEL GROUP | ELECTRIC PUMP | | | MOTOR PUMP | | | | | JOCKEY PUMP | | LINESHAFT | FLOW METER KIT |
| | el. engine | drive unit on the surface | | disel engine | | | right angle drive unit | | | | | |
| VTS PEM | kW | mod. | DN | mod. | kW NA | kW NB | mod. | DN | mod. | kW | mod. | mod. |
| EN VTS PEM 6G/4A ELC+S4/11 | 7,5 | E13/38/3L/20A | 80 | 15LD440 | 6,2 | 6,7 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM50 - V50 |
| EN VTS PEM 6G/6A ELC+S4/16 | 11 | E18/42/3L/20A | 80 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM50 - V50 |
| EN VTS PEM 6G/8A ELC+S4/21 | 11 | E18/42/3L/20A | 80 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM50 - V50 |
| EN VTS PEM 6G/10A ELC+S4/32 | 15 | E18/42/3L/20A | 80 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS PEM 6G/12A ELC+S4/32 | 18,5 | E18/42/3L/20A | 80 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS PEM 6C/4A ELC+S4/11 | 11 | E18/42/3L/20A | 80 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V50 |
| EN VTS PEM 6C/6A ELC+S4/21 | 15 | E18/42/3L/20A | 80 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS PEM 6C/8A ELC+S4/21 | 18,5 | E18/48/3L/20A | 80 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS PEM 6C/10A ELC+S4/32 | 30 | E20/55/3/24 | 100 | 11LD626/3 | 24 | 26 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V50 |
| EN VTS PEM 7L/3A ELC+S4/11 | 11 | E18/42/3L/20A | 80 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS PEM 7L/4A ELC+S4/16 | 15 | E18/42/3L/20A | 80 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS PEM 7L/5A ELC+S4/21 | 18,5 | E18/42/3L/20A | 80 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS PEM 7L/6A ELC+S4/21 | 22 | E18/48/3L/20A | 80 | 11LD626/3 | 24 | 26 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS PEM 7L/7A ELC+S4/32 | 30 | E20/55/3/24 | 100 | 11LD626/3 | 24 | 26 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS PEM 7L/8A EVC+S4/32 | 30 | E20/55/3/24 | 100 | D703LE0 | 33 | 37 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS PEM 7L/9A EVC+S4/32 | 30 | E20/55/3/24 | 100 | D703LE0 | 33 | 37 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS PEM 7C/2A ELC+S4/11 | 11 | E18/42/4L/20A | 100 | 25LD425 | 10,4 | 11,5 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS PEM 7C/3A ELC+S4/11 | 18,5 | E18/42/4L/20A | 100 | 9LD625/2 | 17 | 18,9 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS PEM 7C/4A ELC+S4/16 | 22 | E18/48/4L/20A | 100 | 11LD626/3 | 24 | 26 | R16/4L/20 | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS PEM 7C/5A EVC+S4/21 | 30 | E20/55/4/24 | 100 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS PEM 7C/6A EVC+S4/21 | 37 | E20/55/4/24 | 100 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS PEM 7C/7A EVC+S4/32 | 37 | E22/55/4/24 | 100 | D703LTE0 | 48 | 53 | R26/4L/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS PEM 8B/2A ELC+S4/11 | 11 | E18/42/3L/20A | 80 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS PEM 8B/3A ELC+S4/16 | 18,5 | E18/42/3L/20A | 80 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS PEM 8B/4A ELC+S4/21 | 22 | E18/48/3L/20A | 80 | 11LD626/3 | 24 | 26 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS PEM 8B/5A EVC+S4/32 | 30 | E20/55/3/24 | 100 | D703LE0 | 33 | 37 | R26/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS PEM 8B/6A EVC+S4/32 | 37 | E20/55/3/24 | 100 | D703LE0 | 33 | 37 | R26/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS PEM 8F/2A ELC+S4/11 | 15 | E18/42/4L/20A | 100 | 12LD477/2 | 13,6 | 15 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS PEM 8F/3A ELC+S4/16 | 18,5 | E18/42/4L/20A | 100 | 9LD625/2 | 17 | 18,9 | R16/4L/20 | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS PEM 8F/4A ELC+S4/21 | 30 | E20/55/4/24 | 100 | 11LD626/3 | 24 | 26 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS PEM 8F/5A EVC+S4/21 | 30 | E20/55/4/24 | 100 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS PEM 8F/6A EVC+S4/32 | 37 | E20/55/4/24 | 100 | D703LTE0 | 48 | 53 | R26/4L/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS PEM 8L/2A ELC+S4/11 | 15 | E18/42/5/20A | 125 | 12LD477/2 | 13,6 | 15 | R16/5/20 | 125 | S4/11 | 0,75 | LA5/20 | CM80 - V80 |
| EN VTS PEM 8L/3A ELC+S4/16 | 22 | E18/48/5/20A | 125 | 11LD626/3 | 24 | 26 | R16/5/20 | 125 | S4/16 | 1,1 | LA5/20 | CM80 - V80 |
| EN VTS PEM 8L/4A EVC+S4/21 | 30 | E20/55/5/24 | 125 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS PEM 8L/5A EVC+S4/21 | 37 | E20/55/5/24 | 125 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS PEM 8L/6A EVC+S4/32 | 45 | E22/55/5/30 | 125 | D703LTE0 | 48 | 53 | R26/5/24 | 125 | S4/32 | 2,2 | LA5/24 | CM80 - V80 |
| EN VTS PEM 8C/2A ELC+S4/11 | 18,5 | E18/42/5/20A | 125 | 9LD625/2 | 17 | 18,9 | R16/5/20 | 125 | S4/11 | 0,75 | LA5/20 | CM100 - V80 |
| EN VTS PEM 8C/3A EVC+S4/16 | 30 | E20/55/5/24 | 125 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/16 | 1,1 | LA5/24 | CM100 - V80 |
| EN VTS PEM 8C/4A EVC+S4/21 | 37 | E22/55/5/30 | 125 | D703LTE0 | 48 | 53 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM100 - V80 |
| EN VTS PEM 8C/5A EVC+S4/32 | 45 | E28/60/5/30 | 150 | D703LTE0 | 48 | 53 | R42/5/30 | 125 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS PEM 8C/6A EVC+S4/32 | 55 | E28/60/5/30 | 150 | D754TPE2 | 65 | 73 | R42/5/30 | 125 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS PEM 10F/1B EVC+S4/11 | 37 | E20/55/6/24 | 150 | D703LE0 | 33 | 37 | R26/6/24 | 125 | S4/11 | 0,75 | LA6/24 | CM150 - V125 |
| EN VTS PEM 10F/1A EVC+S4/11 | 45 | E22/55/6/30 | 150 | D703LTE0 | 48 | 53 | R26/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS PEM 10F/2E EVC+S4/11 | 45 | E22/55/6/30 | 150 | D703LTE0 | 48 | 53 | R42/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS PEM 10F/2CD EVC+S4/16 | 55 | E28/60/6/30 | 150 | D754TPE2 | 65 | 73 | R42/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS PEM 10F/2BC EVC+S4/16 | 75 | E28/65A/6/30 | 150 | D754TPE2 | 65 | 73 | R42/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS PEM 10F/3CD EVC+S4/21 | 90 | E28/65A/6/30 | 150 | D756IPE2 | 100 | 110 | R75/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS PEM 10F/3B EVC+S4/21 | 110 | E28/65A/6/30 | 150 | D756IPE2 | 100 | 110 | R75/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS PEM 12B/1B EVC+S4/11 | 37 | E20/55/7/30 | 175 | D703LTE0 | 48 | 53 | R26/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS PEM 12B/1A EVC+S4/11 | 45 | E22/55/7/30 | 175 | D703LTE0 | 48 | 53 | R42/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS PEM 12B/2C EVC+S4/21 | 75 | E28/65A/7/30 | 200 | D754TPE2 | 65 | 73 | R75/7/30 | 175 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS PEM 12B/2B EVC+S4/21 | 75 | E28/65A/7/30 | 200 | D756IPE2 | 100 | 110 | R75/7/30 | 175 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS PEM 12B/3C EVC+S4/32 | 110 | E28/65A/7/35 | 200 | D756IPE2 | 100 | 110 | R75/7/30 | 175 | S4/32 | 2,2 | LA7/30 | CM125 - V125 |

# IDROFIRE VTS PEM

## **DIMENSIONI** DIMENSIONS

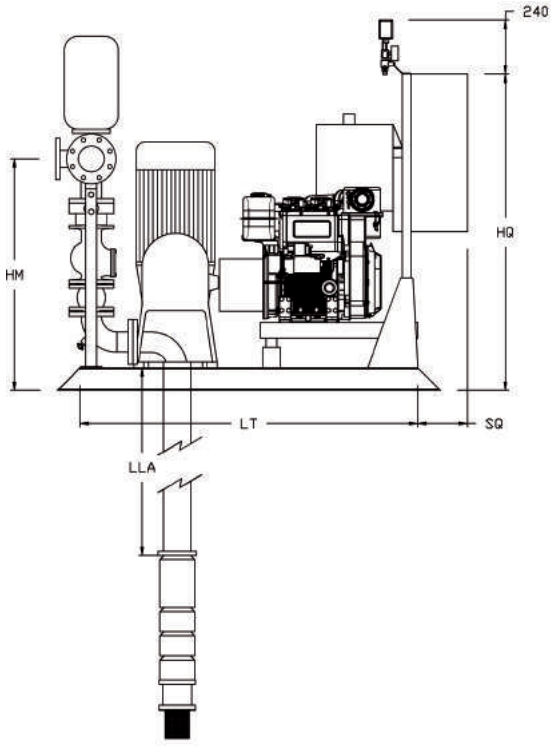


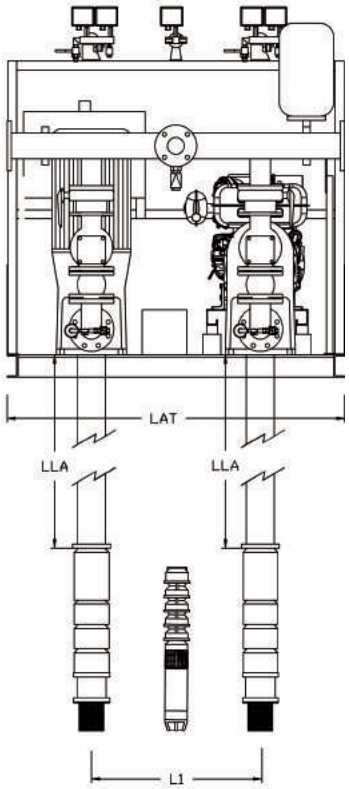




| **MODELLO GRUPPO** | **MANDATA** kit valvole | collettore | **PILOTA** | **HM** | **LAT** | **LT** | **LC** | **L1** | **HQ** | **SQ** | **LLA** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | JOCKEY PUMP | HM | LAT | LT | LC | L1 | HQ | SQ | LLA |
| VTS PEM | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN VTS PEM 6G/4A ELC+S4/11 | 50 | 80 - F50 | 1¼" | 997 | 1400 | 1400 | 1300 | 600 | 1400 | 230 | 3050 |
| EN VTS PEM 6G/6A ELC+S4/16 | 50 | 80 - F50 | 1¼" | 997 | 1400 | 1400 | 1300 | 600 | 1401 | 230 | 3050 |
| EN VTS PEM 6G/8A ELC+S4/21 | 50 | 80 - F50 | 1¼" | 997 | 1400 | 1600 | 1500 | 600 | 1402 | 230 | 3050 |
| EN VTS PEM 6G/10A ELC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1500 | 1600 | 1500 | 700 | 1403 | 230 | 3050 |
| EN VTS PEM 6G/12A ELC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1500 | 1600 | 1500 | 700 | 1404 | 230 | 3050 |
| EN VTS PEM 6C/4A ELC+S4/11 | 65 | 80 - F50 | 1¼" | 1050 | 1400 | 1400 | 1300 | 600 | 1405 | 230 | 3050 |
| EN VTS PEM 6C/6A ELC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1400 | 1600 | 1500 | 600 | 1406 | 230 | 3050 |
| EN VTS PEM 6C/8A ELC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1500 | 1600 | 1500 | 700 | 1407 | 230 | 3050 |
| EN VTS PEM 6C/10A ELC+S4/32 | 65 | 80 - F50 | 1¼" | 1050 | 1500 | 1800 | 1700 | 700 | 1408 | 230 | 3050 |
| EN VTS PEM 7L/3A ELC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1400 | 1300 | 600 | 1409 | 230 | 3050 |
| EN VTS PEM 7L/4A ELC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1600 | 1500 | 600 | 1410 | 230 | 3050 |
| EN VTS PEM 7L/5A ELC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1600 | 1500 | 700 | 1411 | 230 | 3050 |
| EN VTS PEM 7L/6A ELC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1412 | 230 | 3050 |
| EN VTS PEM 7L/7A ELC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1413 | 230 | 3050 |
| EN VTS PEM 7L/8A EVC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1414 | 230 | 3050 |
| EN VTS PEM 7L/9A EVC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1415 | 230 | 3050 |
| EN VTS PEM 7C/2A ELC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1400 | 1300 | 600 | 1416 | 230 | 3050 |
| EN VTS PEM 7C/3A ELC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1600 | 1500 | 700 | 1417 | 230 | 3050 |
| EN VTS PEM 7C/4A ELC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1418 | 230 | 3050 |
| EN VTS PEM 7C/5A EVC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1419 | 230 | 3050 |
| EN VTS PEM 7C/6A EVC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1420 | 230 | 3050 |
| EN VTS PEM 7C/7A EVC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1421 | 230 | 3050 |
| EN VTS PEM 8B/2A ELC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1400 | 1300 | 600 | 1422 | 230 | 3050 |
| EN VTS PEM 8B/3A ELC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1600 | 1500 | 700 | 1423 | 230 | 3050 |
| EN VTS PEM 8B/4A ELC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1424 | 230 | 3050 |
| EN VTS PEM 8B/5A EVC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1425 | 230 | 3050 |
| EN VTS PEM 8B/6A EVC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1426 | 230 | 3050 |

# IDROFIRE VTS PEM

## **DIMENSIONI** DIMENSIONS

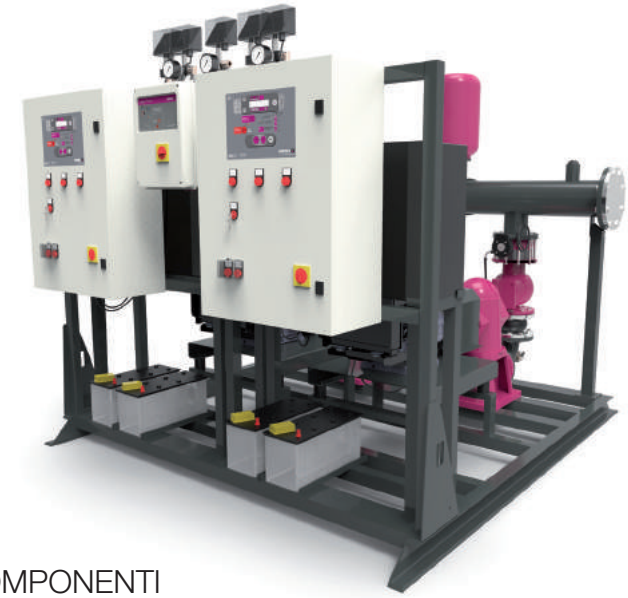



| **MODELLO GRUPPO** | **MANDATA** kit valvole | collettore | **PILOTA** | **HM** | **LAT** | **LT** | **LC** | **L1** | **HQ** | **SQ** | **LLA** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | JOCKEY PUMP | HM | LAT | LT | LC | L1 | HQ | SQ | LLA |
| VTS PEM | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| **EN VTS PEM 8F/2A ELC+S4/11** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1600 | 1500 | 600 | 1427 | 230 | 3050 |
| **EN VTS PEM 8F/3A ELC+S4/16** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1600 | 1500 | 700 | 1428 | 230 | 3050 |
| **EN VTS PEM 8F/4A ELC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1429 | 230 | 3050 |
| **EN VTS PEM 8F/5A EVC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1430 | 230 | 3050 |
| **EN VTS PEM 8F/6A EVC+S4/32** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 1800 | 1700 | 700 | 1431 | 230 | 3050 |
| **EN VTS PEM 8L/2A ELC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1400 | 1600 | 1500 | 600 | 1432 | 230 | 3050 |
| **EN VTS PEM 8L/3A ELC+S4/16** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 1800 | 1700 | 700 | 1433 | 230 | 3050 |
| **EN VTS PEM 8L/4A EVC+S4/21** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2000 | 1900 | 700 | 1434 | 230 | 3050 |
| **EN VTS PEM 8L/5A EVC+S4/21** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2000 | 1900 | 700 | 1435 | 230 | 3050 |
| **EN VTS PEM 8L/6A EVC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2000 | 1900 | 700 | 1436 | 230 | 3050 |
| **EN VTS PEM 8C/2A ELC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 1600 | 1500 | 700 | 1437 | 230 | 3050 |
| **EN VTS PEM 8C/3A EVC+S4/16** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2000 | 1900 | 700 | 1438 | 230 | 3050 |
| **EN VTS PEM 8C/4A EVC+S4/21** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2000 | 1900 | 700 | 1439 | 230 | 3050 |
| **EN VTS PEM 8C/5A EVC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2000 | 1900 | 700 | 1440 | 230 | 3050 |
| **EN VTS PEM 8C/6A EVC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2300 | 2200 | 700 | 1441 | 230 | 3050 |
| **EN VTS PEM 10F/1B EVC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2000 | 1900 | 700 | 1442 | 230 | 3050 |
| **EN VTS PEM 10F/1A EVC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2000 | 1900 | 700 | 1443 | 230 | 3050 |
| **EN VTS PEM 10F/2E EVC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2000 | 1900 | 700 | 1444 | 230 | 3050 |
| **EN VTS PEM 10F/2CD EVC+S4/16** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2300 | 2200 | 700 | 1445 | 230 | 3050 |
| **EN VTS PEM 10F/2BC EVC+S4/16** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2300 | 2200 | 700 | 1446 | 330 | 3050 |
| **EN VTS PEM 10F/3CD EVC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 2500 | 2400 | 700 | 1447 | 330 | 3050 |
| **EN VTS PEM 10F/3B EVC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 2500 | 2400 | 700 | 1448 | 330 | 3050 |
| **EN VTS PEM 12B/1B EVC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2000 | 1900 | 700 | 1449 | 230 | 3050 |
| **EN VTS PEM 12B/1A EVC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2000 | 1900 | 700 | 1450 | 230 | 3050 |
| **EN VTS PEM 12B/2C EVC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2300 | 2200 | 700 | 1451 | 330 | 3050 |
| **EN VTS PEM 12B/2B EVC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2500 | 2400 | 700 | 1452 | 330 | 3050 |
| **EN VTS PEM 12B/3C EVC+S4/32** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 2500 | 2400 | 700 | 1453 | 330 | 3050 |

# IDROFIRE VTS P2M

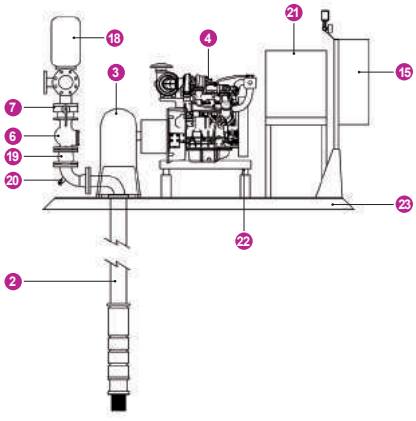
## N.1 MOTOPOMPA DI SERVIZIO + N.1 MOTOPOMPA DI RISERVA + PILOTA
## NR.1 MAIN DIESEL MOTORPUMP + NR.1 BACKUP DIESEL MOTOR PUMP + JOCKEY PUMP

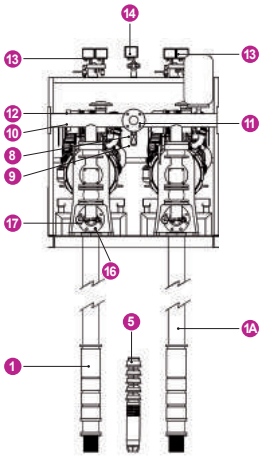


## ELENCO COMPONENTI
## COMPONENT LIST

1. Pompa di servizio del tipo verticale
1A. Pompa di riserva del tipo verticale
2. Linea d'asse per pompa di servizio e pompa di riserva
3. Gruppo di comando con rinvio ad angolo per collegamento tra pompe e motore Diesel
4. Motore Diesel per alimentazione pompa di servizio e di riserva
5. Elettropompa pilota sommersa
6. Valvola di ritegno a clapet
7. Valvola di intercettazione lucchettabile
8. Valvola di ritegno
9. Valvola di intercettazione a sfera con leva
10. Collettore di mandata reversibile completo di flangia cieca
11. Derivazione per collettore di prova di portata
12. Predisposizione per kit sprinkler
13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
15. Quadri elettrici di comando (uno per ogni pompa)
16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
17. Manometro 0-16 bar
18. Serbatoio Autoclave 24 lt PN16
19. Giunto di compensazione in gomma
20. Curva 90° biflangiata
21. Serbatoio gasolio per motore Diesel
22. Giunti antivibranti in gomma
23. Telaio

1. Service vertical pump
1A. Backup vertical pump
2. Shaft line for service and backup pump
3. Drive unit to link the pumps and diesel engine
4. Diesel engine for service pump and backup pump
5. Submersible jockey pump
6. Swing Check Valve ("Clapet" Valve)
7. Shut-off valve lockable
8. Check valve
9. Ball valve with level
10. Reversible delivery manifold with blind flange
11. Shunt for flow meter
12. Predisposition for sprinkler kit
13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
14. Starting kit for jockey electric pump composed by 1pressure switch with integrated test button, 1 pressure gauge
15. Electrical control panels (one for each pump)
16. Kit recycling diaphragm complete with visual flow indicator
17. Pressure gauge 0-16 bar
18. Diaphragm pressure vessel 24LT PN16
19. Rubber strain neutralizer
20. biflanged 90° curve
21. Fuel tank for diesel engine
22. Rubber anti-vibration joints
23. Frame



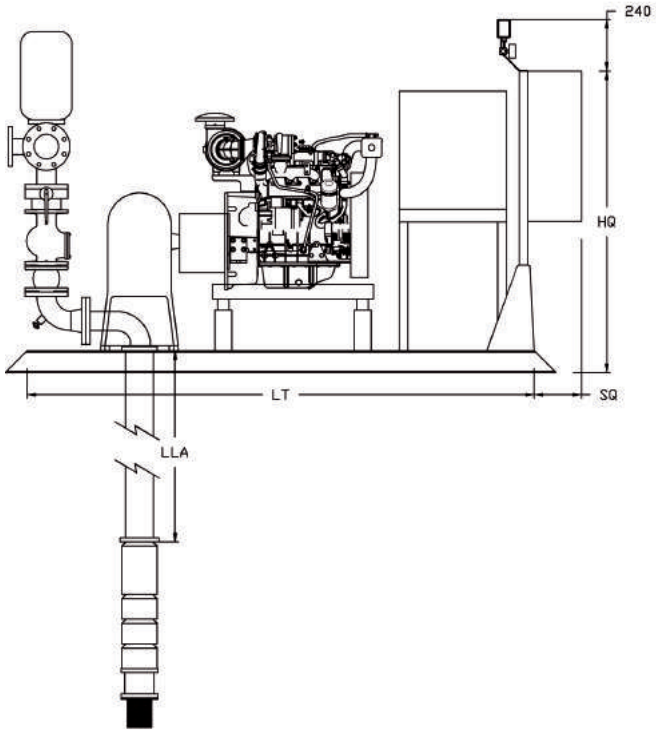
# IDROFIRE VTS P2M

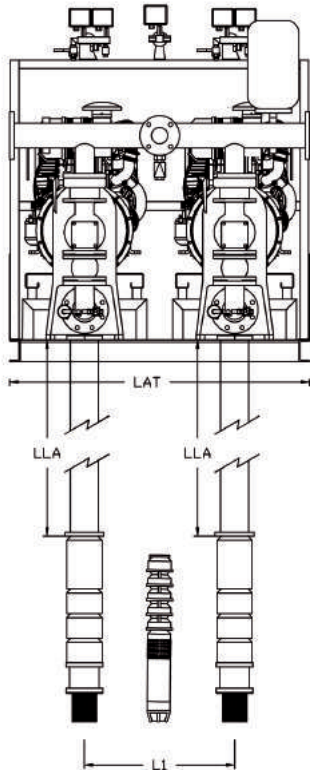
**DATI TECNICI** TECHNICAL DATA

| MODELLO GRUPPO<br>MODEL GROUP | MOTOPOMPA<br>motore diesel<br>MOTOR PUMP<br>diesel engine | | | rinvio ad angolo<br>right angle drive unit | | ELETTROPOMPA PILOTA<br>JOCKEY PUMP | | LINEA D'ASSE<br>LINESHAFT | KIT FLUSSIMETRO<br>FLOW METER KIT |
|---|---|---|---|---|---|---|---|---|---|
| VTS P2M | mod. | kW NA | kW NB | mod. | DN | mod. | kW | mod. | mod. |
| EN VTS P2M 6G/4A LC+S4/11 | 15LD440 | 6,2 | 6,7 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM50 - V50 |
| EN VTS P2M 6G/6A LC+S4/16 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM50 - V50 |
| EN VTS P2M 6G/8A LC+S4/21 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM50 - V50 |
| EN VTS P2M 6G/10A LC+S4/32 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P2M 6G/12A LC+S4/32 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/32 | 2,2 | LA3/20 | CM50 - V50 |
| EN VTS P2M 6C/4A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V50 |
| EN VTS P2M 6C/6A LC+S4/21 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P2M 6C/8A LC+S4/21 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V50 |
| EN VTS P2M 6C/10A LC+S4/32 | 11LD626/3 | 24 | 26 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V50 |
| EN VTS P2M 7L/3A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P2M 7L/4A LC+S4/16 | 12LD477/2 | 13,6 | 15 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P2M 7L/5A LC+S4/21 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P2M 7L/6A LC+S4/21 | 11LD626/3 | 24 | 26 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P2M 7L/7A LC+S4/32 | 11LD626/3 | 24 | 26 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2M 7L/8A VC+S4/32 | D703LE0 | 33 | 37 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2M 7L/9A VC+S4/32 | D703LE0 | 33 | 37 | R16/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2M 7C/2A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P2M 7C/3A LC+S4/11 | 9LD625/2 | 17 | 18,9 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P2M 7C/4A LC+S4/16 | 11LD626/3 | 24 | 26 | R16/4L/20 | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P2M 7C/5A VC+S4/21 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2M 7C/6A VC+S4/21 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2M 7C/7A VC+S4/32 | D703LTE0 | 48 | 53 | R26/4L/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P2M 8B/2A LC+S4/11 | 25LD425 | 10,4 | 11,5 | R16/3L/20 | 80 | S4/11 | 0,75 | LA3/20 | CM65 - V65 |
| EN VTS P2M 8B/3A LC+S4/16 | 9LD625/2 | 17 | 18,9 | R16/3L/20 | 80 | S4/16 | 1,1 | LA3/20 | CM65 - V65 |
| EN VTS P2M 8B/4A LC+S4/21 | 11LD626/3 | 24 | 26 | R16/3L/20 | 80 | S4/21 | 1,5 | LA3/20 | CM65 - V65 |
| EN VTS P2M 8B/5A VC+S4/32 | D703LE0 | 33 | 37 | R26/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2M 8B/6A VC+S4/32 | D703LE0 | 33 | 37 | R26/3L/24 | 80 | S4/32 | 2,2 | LA3/24 | CM65 - V65 |
| EN VTS P2M 8F/2A LC+S4/11 | 12LD477/2 | 13,6 | 15 | R16/4L/20 | 100 | S4/11 | 0,75 | LA4/20 | CM80 - V65 |
| EN VTS P2M 8F/3A LC+S4/16 | 9LD625/2 | 17 | 18,9 | R16/4L/20 | 100 | S4/16 | 1,1 | LA4/20 | CM80 - V65 |
| EN VTS P2M 8F/4A LC+S4/21 | 11LD626/3 | 24 | 26 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2M 8F/5A VC+S4/21 | D703LE0 | 33 | 37 | R26/4L/24 | 100 | S4/21 | 1,5 | LA4/24 | CM80 - V65 |
| EN VTS P2M 8F/6A VC+S4/32 | D703LTE0 | 48 | 53 | R26/4L/24 | 100 | S4/32 | 2,2 | LA4/24 | CM80 - V65 |
| EN VTS P2M 8L/2A LC+S4/11 | 12LD477/2 | 13,6 | 15 | R16/5/20 | 125 | S4/11 | 0,75 | LA5/20 | CM80 - V80 |
| EN VTS P2M 8L/3A LC+S4/16 | 11LD626/3 | 24 | 26 | R16/5/20 | 125 | S4/16 | 1,1 | LA5/20 | CM80 - V80 |
| EN VTS P2M 8L/4A VC+S4/21 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P2M 8L/5A VC+S4/21 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM80 - V80 |
| EN VTS P2M 8L/6A VC+S4/32 | D703LTE0 | 48 | 53 | R26/5/24 | 125 | S4/32 | 2,2 | LA5/24 | CM80 - V80 |
| EN VTS P2M 8C/2A LC+S4/11 | 9LD625/2 | 17 | 18,9 | R16/5/20 | 125 | S4/11 | 0,75 | LA5/20 | CM100 - V80 |
| EN VTS P2M 8C/3A VC+S4/16 | D703LE0 | 33 | 37 | R26/5/24 | 125 | S4/16 | 1,1 | LA5/24 | CM100 - V80 |
| EN VTS P2M 8C/4A VC+S4/21 | D703LTE0 | 48 | 53 | R26/5/24 | 125 | S4/21 | 1,5 | LA5/24 | CM100 - V80 |
| EN VTS P2M 8C/5A VC+S4/32 | D703LTE0 | 48 | 53 | R42/5/30 | 125 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P2M 8C/6A VC+S4/32 | D754TPE2 | 65 | 73 | R42/5/30 | 125 | S4/32 | 2,2 | LA5/30 | CM100 - V80 |
| EN VTS P2M 10F/1B VC+S4/11 | D703LE0 | 33 | 37 | R26/6/24 | 125 | S4/11 | 0,75 | LA6/24 | CM150 - V125 |
| EN VTS P2M 10F/1A VC+S4/11 | D703LTE0 | 48 | 53 | R26/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P2M 10F/2E VC+S4/11 | D703LTE0 | 48 | 53 | R42/6/30 | 150 | S4/11 | 0,75 | LA6/30 | CM150 - V125 |
| EN VTS P2M 10F/2CD VC+S4/16 | D754TPE2 | 65 | 73 | R42/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P2M 10F/2BC VC+S4/16 | D754TPE2 | 65 | 73 | R42/6/30 | 150 | S4/16 | 1,1 | LA6/30 | CM150 - V125 |
| EN VTS P2M 10F/3CD VC+S4/21 | D756IPE2 | 100 | 110 | R75/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P2M 10F/3B VC+S4/21 | D756IPE2 | 100 | 110 | R75/6/30 | 150 | S4/21 | 1,5 | LA6/30 | CM150 - V125 |
| EN VTS P2M 12B/1B VC+S4/11 | D703LTE0 | 48 | 53 | R26/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P2M 12B/1A VC+S4/11 | D703LTE0 | 48 | 53 | R42/7/30 | 175 | S4/11 | 0,75 | LA7/30 | CM125 - V125 |
| EN VTS P2M 12B/2C VC+S4/21 | D754TPE2 | 65 | 73 | R75/7/30 | 175 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P2M 12B/2B VC+S4/21 | D756IPE2 | 100 | 110 | R75/7/30 | 175 | S4/21 | 1,5 | LA7/30 | CM125 - V125 |
| EN VTS P2M 12B/3C VC+S4/32 | D756IPE2 | 100 | 110 | R75/7/30 | 175 | S4/32 | 2,2 | LA7/30 | CM125 - V125 |

# IDROFIRE VTS P2M

## **DIMENSIONI** DIMENSIONS

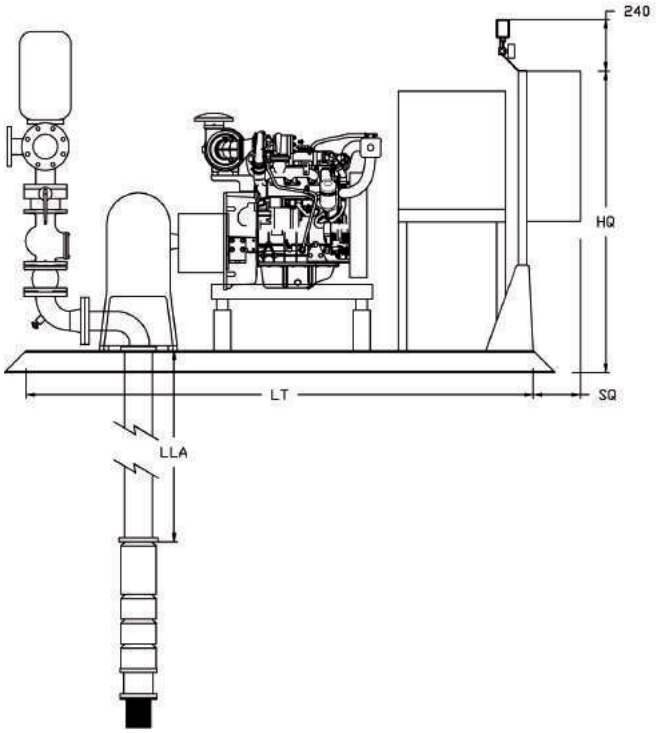


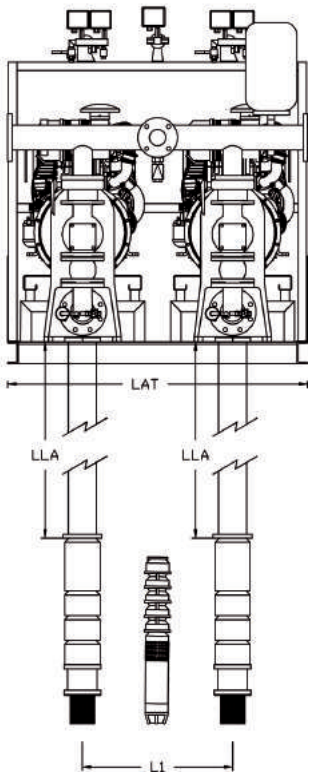




| MODELLO GRUPPO | MANDATA kit valvole | MANDATA collettore | PILOTA | HM | LAT | LT | LC | L1 | HQ | SQ | LLA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | DELIVERY manifold | JOCKEY PUMP | HM | LAT | LT | LC | L1 | HQ | SQ | LLA |
| VTS P2M | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| EN VTS P2M 6G/4A LC+S4/11 | 50 | 80 - F50 | 1¼" | 997 | 1400 | 1600 | 1300 | 600 | 1400 | 230 | 3050 |
| EN VTS P2M 6G/6A LC+S4/16 | 50 | 80 - F50 | 1¼" | 997 | 1400 | 1800 | 1300 | 600 | 1401 | 230 | 3050 |
| EN VTS P2M 6G/8A LC+S4/21 | 50 | 80 - F50 | 1¼" | 997 | 1400 | 200 | 1300 | 600 | 1402 | 230 | 3050 |
| EN VTS P2M 6G/10A LC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1500 | 2000 | 1400 | 700 | 1403 | 230 | 3050 |
| EN VTS P2M 6G/12A LC+S4/32 | 50 | 80 - F50 | 1¼" | 997 | 1500 | 2000 | 1400 | 700 | 1404 | 230 | 3050 |
| EN VTS P2M 6C/4A LC+S4/11 | 65 | 80 - F50 | 1¼" | 1050 | 1400 | 1800 | 1300 | 600 | 1405 | 230 | 3050 |
| EN VTS P2M 6C/6A LC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1400 | 2000 | 1300 | 600 | 1406 | 230 | 3050 |
| EN VTS P2M 6C/8A LC+S4/21 | 65 | 80 - F50 | 1¼" | 1050 | 1500 | 2000 | 1400 | 700 | 1407 | 230 | 3050 |
| EN VTS P2M 6C/10A LC+S4/32 | 65 | 80 - F50 | 1¼" | 1050 | 1500 | 2300 | 1400 | 700 | 1408 | 230 | 3050 |
| EN VTS P2M 7L/3A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1300 | 600 | 1409 | 230 | 3050 |
| EN VTS P2M 7L/4A LC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 2000 | 1300 | 600 | 1410 | 230 | 3050 |
| EN VTS P2M 7L/5A LC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2000 | 1400 | 700 | 1411 | 230 | 3050 |
| EN VTS P2M 7L/6A LC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1412 | 230 | 3050 |
| EN VTS P2M 7L/7A LC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1413 | 230 | 3050 |
| EN VTS P2M 7L/8A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1414 | 230 | 3050 |
| EN VTS P2M 7L/9A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1415 | 230 | 3050 |
| EN VTS P2M 7C/2A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1300 | 600 | 1416 | 230 | 3050 |
| EN VTS P2M 7C/3A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2000 | 1400 | 700 | 1417 | 230 | 3050 |
| EN VTS P2M 7C/4A LC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1418 | 230 | 3050 |
| EN VTS P2M 7C/5A VC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1419 | 230 | 3050 |
| EN VTS P2M 7C/6A VC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1420 | 230 | 3050 |
| EN VTS P2M 7C/7A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1421 | 230 | 3050 |
| EN VTS P2M 8B/2A LC+S4/11 | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 1800 | 1300 | 600 | 1422 | 230 | 3050 |
| EN VTS P2M 8B/3A LC+S4/16 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2000 | 1400 | 700 | 1423 | 230 | 3050 |
| EN VTS P2M 8B/4A LC+S4/21 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1424 | 230 | 3050 |
| EN VTS P2M 8B/5A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1425 | 230 | 3050 |
| EN VTS P2M 8B/6A VC+S4/32 | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1426 | 230 | 3050 |

# IDROFIRE VTS P2M

## **DIMENSIONI** DIMENSIONS




| **MODELLO GRUPPO** | **MANDATA** kit valvole | collettore | **PILOTA** | **HM** | **LAT** | **LT** | **LC** | **L1** | **HQ** | **SQ** | **LLA** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL GROUP | DELIVERY valves kit | manifold | JOCKEY PUMP | HM | LAT | LT | LC | L1 | HQ | SQ | LLA |
| VTS P2M | DN | DN | DN AxM | mm | mm | mm | mm | mm | mm | mm | mm |
| **EN VTS P2M 8F/2A LC+S4/11** | 80 | 100 - F65 | 1¼" | 1047 | 1400 | 2000 | 1300 | 600 | 1427 | 230 | 3050 |
| **EN VTS P2M 8F/3A LC+S4/16** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2000 | 1400 | 700 | 1428 | 230 | 3050 |
| **EN VTS P2M 8F/4A LC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1429 | 230 | 3050 |
| **EN VTS P2M 8F/5A VC+S4/21** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1430 | 230 | 3050 |
| **EN VTS P2M 8F/6A VC+S4/32** | 80 | 100 - F65 | 1¼" | 1047 | 1500 | 2300 | 1400 | 700 | 1431 | 230 | 3050 |
| **EN VTS P2M 8L/2A LC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1400 | 2000 | 1300 | 600 | 1432 | 230 | 3050 |
| **EN VTS P2M 8L/3A LC+S4/16** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 2300 | 1400 | 700 | 1433 | 230 | 3050 |
| **EN VTS P2M 8L/4A VC+S4/21** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 2300 | 1400 | 700 | 1434 | 230 | 3050 |
| **EN VTS P2M 8L/5A VC+S4/21** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 2300 | 1400 | 700 | 1435 | 230 | 3050 |
| **EN VTS P2M 8L/6A VC+S4/32** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 2300 | 1400 | 700 | 1436 | 230 | 3050 |
| **EN VTS P2M 8C/2A LC+S4/11** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 2000 | 1400 | 700 | 1437 | 230 | 3050 |
| **EN VTS P2M 8C/3A VC+S4/16** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 2300 | 1400 | 700 | 1438 | 230 | 3050 |
| **EN VTS P2M 8C/4A VC+S4/21** | 100 | 125 - F80 | 1¼" | 1169 | 1500 | 2300 | 1400 | 700 | 1439 | 230 | 3050 |
| **EN VTS P2M 8C/5A VC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2500 | 1400 | 700 | 1440 | 230 | 3050 |
| **EN VTS P2M 8C/6A VC+S4/32** | 100 | 125 - F80 | 1¼" | 1199 | 1500 | 2500 | 1400 | 700 | 1441 | 230 | 3050 |
| **EN VTS P2M 10F/1B VC+S4/11** | 150 | 200 - F125 | 1¼" | 1434 | 1500 | 2500 | 1400 | 700 | 1442 | 230 | 3050 |
| **EN VTS P2M 10F/1A VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2500 | 1400 | 700 | 1443 | 230 | 3050 |
| **EN VTS P2M 10F/2E VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2500 | 1400 | 700 | 1444 | 230 | 3050 |
| **EN VTS P2M 10F/2CD VC+S4/16** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2700 | 1400 | 700 | 1445 | 230 | 3050 |
| **EN VTS P2M 10F/2BC VC+S4/16** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2700 | 1400 | 700 | 1446 | 230 | 3050 |
| **EN VTS P2M 10F/3CD VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 3000 | 1500 | 700 | 1447 | 230 | 3050 |
| **EN VTS P2M 10F/3B VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 3000 | 1500 | 700 | 1448 | 230 | 3050 |
| **EN VTS P2M 12B/1B VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2500 | 1400 | 700 | 1449 | 230 | 3050 |
| **EN VTS P2M 12B/1A VC+S4/11** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2500 | 1400 | 700 | 1450 | 230 | 3050 |
| **EN VTS P2M 12B/2C VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 2700 | 1400 | 700 | 1451 | 230 | 3050 |
| **EN VTS P2M 12B/2B VC+S4/21** | 150 | 200 - F125 | 1¼" | 1464 | 1500 | 3000 | 1400 | 700 | 1452 | 230 | 3050 |
| **EN VTS P2M 12B/3C VC+S4/32** | 150 | 200 - F125 | 1¼" | 1464 | 1600 | 3000 | 1500 | 700 | 1453 | 230 | 3050 |

GRUPPI ANTINCENDIO
FIRE FIGHTING UNITS

# SOMMERSE SM

EN 12845
UNI 10779

IDROFIRE SM P1E

IDROFIRE SM P2E

# VOCE DI CAPITOLATO

Fornitura e posa in opera di gruppo di pressurizzazione antincendio, tipo IDROFOGLIA a norma EN12845 modello Hydrofire SM con elettropompe sommerse, composto da:

### Sezione Elettropompa pilota

n.1 elettropompa pilota del tipo sommersa, per il mantenimento della pressione all'interno dell'anello antincendio, con elementi in fusione di acciaio inossidabile, giranti radiali, albero pompa e giunto di trasmissione in acciaio inossidabile, accoppiata a motore elettrico sommerso asincrono trifase con rotore in corto circuito, flangiatura Nema, 2 poli, grado di protezione IP 68, classe di isolamento B. La pompa pilota è corredata in mandata di una valvola di ritegno, una valvola a sfera, un vaso di espansione 20 litri PN16, e raccordi per il collegamento al quadro di comando. La pompa è comandata in automatico da un quadro in lamiera zincata con applicato un pressostato di avviamento regolabile con grado di protezione IP55, manometro e circuito di prova del pressostato. L'elettropompa pilota è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto, così composto:

- interruttore blocco porta fusibilitato
- contattore e relè termico
- selettore Manuale – 0 – Automatico a chiave
- lampada di avviamento, di blocco, di presenza rete
- trasformatore 400/24/12V per circuito ausiliario
- fusibili per circuito ausiliario
- morsettiera e pressacavi
- alimentazione 400 (3F) 50 Hz

### Sezione Elettropompa di servizio

n.1 elettropompa di servizio del tipo sommersa, radiale e semiassiale, con albero pompa pompa e giunto in acciaio inossidabile, girante e diffusore in resina termoplastica o ghisa, accoppiata a motore elettrico sommerso riavvolgibile, asincrono trifase, accoppiamento a parti idrauliche Nema, 2 poli. La pompa di servizio è corredata in mandata di un giunto in gomma di compensazione, un aumento flangiato per garantire una velocità dell'acqua pari a 6 m/s, un diaframma calibrato in ottone da 3/8" per il ricircolo e lo scarico dell'aria della pompa, un manometro, una valvola di non ritorno ispezionabile, un diaframma zincato con uscita da 1/2" per il collegamento al quadro di avviamento della pompa e una valvola a farfalla d'intercettazione. La pompa è comandata in automatico da un pannello di controllo in lamiera zincata, collegato al diaframma mediante un tubo RILSAN 2034 15/12.5 pa12, dove si trovano 2 pressostati di avviamento regolabili con grado di protezione IP55, manometro e circuito di prova dei pressostati. Sul collettore di mandata vi è la predisposizione per il collettore di prova, il collettore è sorretto da 2 gambe collegate al telaio principale, per garantire la stabilità e la continuità del sevizio anche se si interviene su di una pompa. L'elettropompa principale è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto (fino a 9,2 kW) ed avviamento stella-triangolo (da 11 kW) così composto:

- interruttore blocco porta
- scheda elettronica di gestione programmabile con spie e led di segnalazione
- prova settimanale integrata
- presa interbloccata di servizio monofase 16 A
- selettore Manuale – 0 – Automatico a chiave
- pulsanti di marcia e arresto
- relè mancanza fase e sequenza fase
- batteria a tampone con carica batteria
- trasformatore 400/24/12V per circuiti ausiliari
- fusibili per circuito ausiliario e generali
- n. 3 contattori
- temporizzatore di scambio
- amperometro e voltmetro con commutatore voltmetrico;
- lampeggiante con avvisatore acustico
- morsettiera
- alimentazione 400 (3F+N) 50 Hz

Quadri, e valvolame sono installati su un telaio realizzato in acciaio zincato.

### ACCESSORI A CORREDO

- Kit Flussimetro adeguatamente dimensionato, composto da:
  - Flussimetro a lettura rinviata
  - Collettore in acciaio zincato
  - Valvola di intercettazione
- Quadro allarme acustico-luminoso di remotazione allarme
- Camicia di raffreddamento in acciaio zincato per elettropompa di servizio
- Camicia di raffreddamento in acciaio zincato per posizionamento elettropompa pilota

# PROJECT DESCRIPTION

Fire Fighting Unit IDROFOGLIA with pressurization unit according to EN12845 HYDROFIRE SM model with submersible pumps, composed by:

### Jockey Pump Section

Nr. 1 submersible jockey pump for the maintenance of the proper water pressure into the firewater ring main, with parts made of stainless steel, radiant impellers, stainless steel shaft and shaft coupling, coupled with submersible asynchronous electrical engine with squirrel-cage armature, Nema flange, 2 poles, IP68 protection, B insulation class.
The jockey pump is equipped on delivery with one check valve, one ball valve, a 20 liters expansion tank PN16, and fittings for control panel connection.
The pump is automatically controlled by a galvanized control panel with an adjustable starting pressure switch IP55 protection level, gauge and pressure switch testing circuit. The jockey electric pump is controlled by an independently control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter, composed by:

- door locking switch
- contactor and overload relay
- manual selector lever 0 automatic with key
- starting signal light, block signal light, main present signal light
- transformer 400/24/12V for auxiliary circuits
- auxiliary circuit fuses
- terminal board and cable glands
- power input 400 (3F) 50 Hz

### Service Electric Pump Section

Nr. 1 submersible electric pump, radial and semi-axial, stainless steel shaft and shaft coupling, thermoplastic resin other cast iron impeller and nozzle, coupled with electrical submersible and rewinding engine, asynchronous and three phase, Nema hydraulic parts coupling , 2 poles.
The service pump has a flanged rubber joint, a taper pipe flanged to guarantee 6 m/s, a brass orifice plate of 3/8" air pump recycle and reject, a manometer, an inspected non return valve, a galvanized diaphragm with ½" output for pump started panel connection and a shut-off butterfly valve.
The pumps are automatically controlled by galvanized control panel, connected to the diaphragm by RILSAN 2034 15/12.5 pa12 hose, where there are 2 adjustable starting pressure with IP55 level protection, gauge and pressure circuit test.
The main electric pump is controlled by and independently control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter (until 9,2 kW) and star delta starting (from 11 kW) composed by:

- door lock switches
- programmable electronic management with indicator led and light
- integrated weekly test
- interlocked mono-phase 16A service power point
- manual selector level 0 automatic with key
- start and stop buttons
- phase failure and phase sequence relay
- buffer battery with charger
- transformer 400/24/12V for auxiliary circuits
- auxiliary circuit fuses and general fuses
- nr. 3 contactors
- swap timer
- ampere meter, voltmeter with voltmeter switch
- flashing with buzzer
- terminal board
- power input 400 (3F+N) 50 Hz

Panels and valves are installed on a stainless steel frame.

### ACCESSORIES

- Flow meter Kit adequately sized, composed by:
  - Postponed reading flow meter;
  - Galvanized steel manifold;
  - Shut off valve
- Control panel for alarm maintaining with remote control. Control panel for A and B alarms grouping with the possibility to connect sirens and to interface it, trough clean contacts, with the eventual supervision system;
- Stainless steel cooling chambers to position the service electro pump
- Stainless steel cooling chambers to position the jockey electro pump

# PRESTAZIONI POMPE
# PUMPS PERFORMANCES

## **DATI TECNICI** TECHNICAL DATA

| PUMP MODEL | kW | m³/h | 0 | 5,4 | 6,3 | 7,2 | 8,1 | 9 | 10,2 | 11,4 | 12,6 | 13,8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | l/min | 0 | 90 | 105 | 120 | 135 | 150 | 170 | 190 | 210 | 230 |
| EN … 4T20 6/230 | 1,5 | H (m.c.a) | 56 | 51 | 49 | 46 | 43 | 40 | 35 | 29 | 22 | 15 |
| EN … 4TH30 9/230 | 2,2 | | 84 | 75 | 72 | 68 | 64 | 59 | 52 | 44 | 34 | 24 |
| EN … 4T40 11/230 | 3 | | 103 | 93 | 90 | 85 | 80 | 74 | 66 | 56 | 45 | 33 |

| PUMP MODEL | kW | hydraulic performance | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/h | 0 | 9 | 10,2 | 11,4 | 12,6 | 13,2 | 14,7 | 15,6 | 16,8 | 18 | 19,8 |
| | | l/min | 0 | 150 | 170 | 190 | 210 | 230 | 245 | 260 | 280 | 300 | 330 |
| EN … 4T40 7/330 | 3 | H (m.c.a) | 68 | 57 | 55 | 52 | 49 | 45 | 42 | 39 | 34 | 29 | 20 |
| EN … 4T55 9/330 | 4 | | 89 | 74 | 71 | 66 | 62 | 56 | 52 | 47 | 41 | 34 | 24 |
| EN … 4T55 10/330 | 4 | | 102 | 86 | 82 | 77 | 72 | 66 | 62 | 57 | 50 | 42 | 29 |
| EN … 6TA75 12/330 | 5,5 | | 121 | 101 | 96 | 90 | 84 | 77 | 71 | 65 | 57 | 48 | 33 |

| PUMP MODEL | kW | hydraulic performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/h | 0 | 11,4 | 13,8 | 15,6 | 18 | 19,8 | 21,6 | 24 | 27 |
| | | l/min | 0 | 190 | 230 | 260 | 300 | 330 | 360 | 400 | 450 |
| EN … 4T55 6/400 | 4 | H (m.c.a) | 75 | 63 | 59 | 55 | 50 | 46 | 41 | 34 | 25 |
| EN … 6TA75 7/400 | 5,5 | | 90 | 74 | 69 | 65 | 59 | 54 | 48 | 40 | 29 |
| EN … 6TA10 8/400 | 7,5 | | 105 | 85 | 80 | 76 | 69 | 63 | 56 | 47 | 34 |
| EN … 6TA10 10/400 | 7,5 | | 130 | 107 | 100 | 94 | 86 | 78 | 70 | 58 | 42 |

| PUMP MODEL | kW | hydraulic performance | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/h | 0 | 18 | 19,8 | 21,6 | 24 | 27 | 30 | 33 | 36 | 39 | 42 |
| | | l/min | 0 | 300 | 330 | 360 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
| EN … 6TA75 5/700 | 5,5 | H (m.c.a) | 68 | 59 | 57 | 55 | 51 | 46 | 41 | 35 | 28 | 21 | 14 |
| EN … 6TA10 6/700 | 7,5 | | 84 | 68 | 66 | 63 | 59 | 54 | 48 | 42 | 34 | 27 | 17 |
| EN … 6TA125 8/700 | 9,2 | | 113 | 93 | 91 | 87 | 83 | 76 | 69 | 60 | 50 | 40 | 29 |
| EN … 6TA15 10/700 | 11 | | 141 | 116 | 114 | 110 | 104 | 96 | 86 | 75 | 62 | 50 | 36 |

# PRESTAZIONI POMPE
# PUMPS PERFORMANCES

## **DATI TECNICI** TECHNICAL DATA

| PUMP MODEL | kW | hydraulic performance | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/h | 0 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 48 | 54 | 60 |
| | | l/min | 0 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 800 | 900 | 1000 |
| EN … 6TA125 5/900 | 9,2 | H (m.c.a) | 70 | 63 | 61 | 59 | 56 | 54 | 51 | 48 | 42 | 33 | 23 |
| EN … 6TA15 6/900 | 11 | | 86 | 76 | 73,5 | 71 | 68 | 65 | 62 | 59 | 51 | 41 | 29 |
| EN … 6TA20 8/900 | 15 | | 114 | 101 | 98 | 95 | 91 | 87 | 83 | 78 | 68 | 55 | 38 |

| PUMP MODEL | kW | hydraulic performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/h | 0 | 30 | 36 | 42 | 48 | 60 | 72 | 84 | 90 |
| | | l/min | 0 | 500 | 600 | 700 | 800 | 1000 | 1200 | 1400 | 1500 |
| EN … 6TA15 3/1500 | 11 | H (m.c.a) | 60 | 54 | 52 | 50 | 47 | 41 | 32 | 23 | 17 |
| EN … 6TA20 4/1500 | 15 | | 79 | 72 | 69 | 66 | 62 | 54 | 43 | 30 | 23 |
| EN … 6TA25 5/1500 | 18,5 | | 98 | 89 | 85 | 81 | 77 | 67 | 54 | 38 | 28 |
| EN … 6TA30 6/1500 | 22 | | 117 | 107 | 103 | 98 | 93 | 80 | 65 | 46 | 35 |

| PUMP MODEL | kW | hydraulic performance | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/h | 0 | 39,5 | 46,8 | 54 | 57,6 | 64,8 | 72 | 79,2 | 86,4 | 90 | 93,6 | 97,2 | 100,8 |
| | | l/min | 0 | 658 | 780 | 900 | 960 | 1080 | 1200 | 1320 | 1440 | 1500 | 1560 | 1620 | 1680 |
| EN … E8S55/3A | 15 | H (m.c.a) | 66 | 59 | 58 | 56 | 56 | 54 | 51 | 48 | 44,5 | 42 | 40 | 37,5 | 35 |
| EN … E8S55/4A | 18,5 | | 87 | 78 | 76 | 74 | 73 | 70 | 67 | 62 | 57 | 55 | 52 | 48,5 | 45 |
| EN … E8S55/5I | 22 | | 107 | 94 | 93 | 90 | 88 | 85 | 80 | 75 | 68 | 65 | 61 | 57 | 53 |
| EN … E8S55/5A | 26 | | 110 | 99 | 97 | 94 | 93 | 89 | 85 | 79 | 73 | 70 | 66 | 62 | 58 |

| PUMP MODEL | kW | hydraulic performance | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/h | 0 | 72 | 90 | 108 | 115,2 | 122,4 | 129,6 | 136,8 | 144 | 151,2 | 154,8 | 158,4 | 162 |
| | | l/min | 0 | 1200 | 1500 | 1800 | 1920 | 2040 | 2160 | 2280 | 2400 | 2520 | 2580 | 2640 | 2700 |
| EN … E8S64/3A | 22 | H (m.c.a) | 73 | 63 | 58 | 54 | 52 | 49 | 46,5 | 43,5 | 40,5 | 37 | 35 | 33 | 32 |
| EN … E8S64/4K | 26 | | 89 | 74 | 68 | 62 | 58 | 55 | 52 | 45 | 42,5 | 37,5 | 35 | 32,5 | 30 |
| EN … E8S64/4A | 30 | | 97 | 83 | 78 | 72 | 67 | 65 | 61 | 57 | 52 | 48 | 45,5 | 43 | 41 |

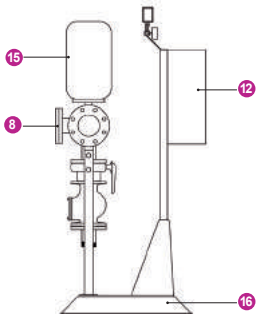
# IDROFIRE SM P1E

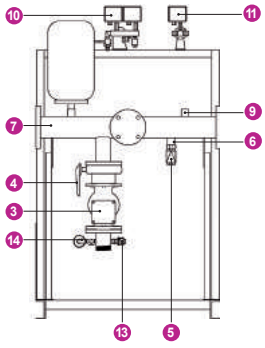
## N.1 ELETTROPOMPA DI SERVIZIO + PILOTA
## NR.1 MAIN ELECTRIC PUMP + JOCKEY PUMP

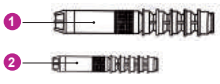
## ELENCO COMPONENTI
## COMPONENT LIST

1. Elettropompa di servizio Sommersa
2. Elettropompa Pilota Sommersa
3. Valvola di ritegno a clapet
4. Valvola di intercettazione lucchettabile
5. Valvola di ritegno
6. Valvola di intercettazione a sfera con leva
7. Collettore di mandata reversibile completo di flangia cieca
8. Derivazione per collettore di prova di portata
9. Predisposizione per kit sprinkler
10. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
11. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
12. Quadri elettrici di comando (uno per ogni pompa)
13. Kit diaframma di ricircolo completo di indicatore visivo di flusso
14. Manometro 0-16 bar
15. Serbatoio Autoclave 24 lt PN16
16. Telaio

1. Main submersible electric pump
2. Jockey submersible electric pump
3. Swing Check Valve (“Clapet” Valve)
4. Shut-off valve lockable
5. Check valve
6. Ball valve with level
7. Reversible delivery manifold with blind flange
8. Shunt for flow meter
9. Predisposition for sprinkler kit
10. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
11. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
12. Electrical control panels (one for each pump)
13. Kit recycling diaphragm complete with visual flow indicator
14. Pressure gauge 0-16 bar
15. Diaphragm pressure vessel 24LT PN16
16. Frame

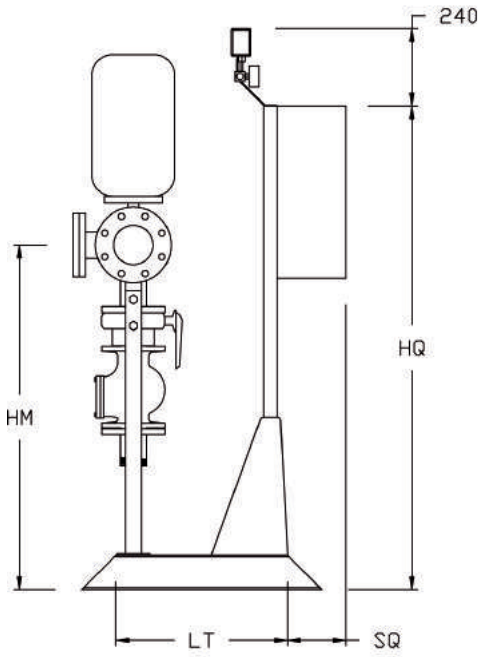


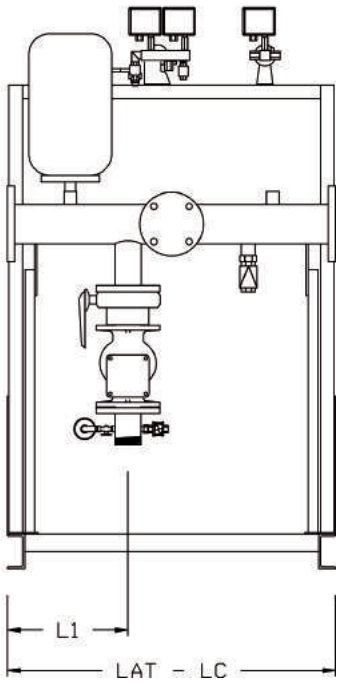



# IDROFIRE SM P1E

## **DIMENSIONI** DIMENSIONS




## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **POMPA PRINCIPALE** | | | **POMPA PILOTA** | | | **COLLETTORE DI MANDATA** | **KIT FLUSSIMETRO** | **DIMENSIONI MM** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | lung. cavo | kit valvole | | mot. el. | lung. cavo | | | | | | | | | | | |
| MODEL GROUP | MAIN PUMP | | | JOCKEY PUMP | | | DELIVERY MANIFOLD | FLOW METER KIT | DIMENSION MM | | | | | | | | |
| | | lenght cable | valves kit | | el. engine | lenght cable | | | | | | | | | | | |
| SM P1E | kW | m | DN | mod. | kW | m | | mod. | bocca1 | bocca2 | Hq | Hm | LaT-Lc | Lt | L1 | Lf | Sq |
| **EN SM P1E 4T20 6/230+S12/60** | 1,5 | 2 | 50 | S12/60 | 0,55 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½” | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 4TH30 9/230+S15/60** | 2,2 | 2 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 4T40 11/230+S18/100** | 3 | 2 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 4T40 7/330+S15/60** | 3 | 2 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 4T55 9/330+S18/100** | 4 | 2 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 4T55 10/330+S18/100** | 4 | 2 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA75 12/330+S23/60** | 5,5 | 3 | 50 | S23/60 | 1,1 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 4T55 6/400+S15/60** | 4 | 2 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA75 7/400+S18/100** | 5,5 | 3 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA10 8/400+S18/100** | 7,5 | 3 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA10 10/400+S23/60** | 7,5 | 3 | 50 | S23/60 | 1,1 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA75 5/700+S15/60** | 5,5 | 3 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA10 6/700+S18/100** | 7,5 | 3 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA125 8/700+S23/60** | 9,2 | 3 | 50 | S23/60 | 1,1 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA15 10/700+S27/100** | 11 | 3 | 50 | S27/100 | 2,2 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA125 5/900+S15/60** | 9,2 | 3 | 65 | S15/60 | 0,75 | 2 | DN80 - F50 | CM65 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA15 6/900+S18/100** | 11 | 3 | 65 | S18/100 | 1,5 | 2 | DN80 - F50 | CM65 - V50 | 3” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA20 8/900+S23/60** | 15 | 3 | 65 | S23/60 | 1,1 | 2 | DN80 - F50 | CM65 - V50 | 3” | 1½ | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E 6TA15 3/1500+S12/60** | 11 | 3 | 65 | S12/60 | 0,55 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 800 | 700 | 300 | 400 | 70 |
| **EN SM P1E 6TA20 4/1500+S15/60** | 15 | 3 | 65 | S15/60 | 0,75 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E 6TA25 5/1500+S18/100** | 18,5 | 3 | 65 | S18/100 | 1,5 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E 6TA30 6/1500+S23/60** | 22 | 3 | 65 | S23/60 | 1,1 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E E8S55/3A+S30/11** | 15 | 1,5 | 100 | S30/11 | 0,75 | 1,5 | DN100 – F65 | CM80 - V65 | 100 | 1¼” | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E E8S55/4A+S30/16** | 18,5 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN100 – F65 | CM80 - V65 | 100 | 1¼” | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E E8S55/5I+S30/16** | 22 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN100 – F65 | CM80 - V65 | 100 | 1¼” | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E E8S55/5A+S30/16** | 26 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN100 – F65 | CM80 - V65 | 100 | 1¼” | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E E8S64/3A+S30/11** | 22 | 1,5 | 100 | S30/11 | 0,75 | 1,5 | DN100 – F65 | CM80 - V65 | 125 | 1¼” | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E E8S64/4K+S30/16** | 26 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN100 – F65 | CM80 - V65 | 125 | 1¼” | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |
| **EN SM P1E E8S64/4A+S30/16** | 30 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN100 – F65 | CM80 - V65 | 125 | 1¼” | 1400 | 1000 | 900 | 700 | 350 | 450 | 120 |

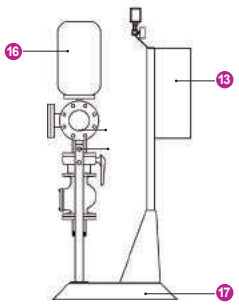
# IDROFIRE SM P2E

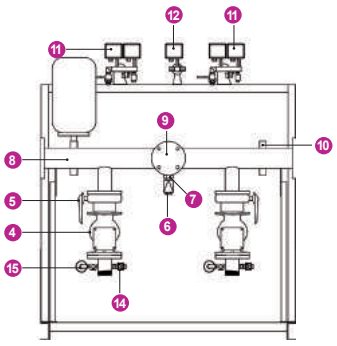
## N.1 ELETTROPOMPA DI SERVIZIO + N.1 ELETTROPOMPA DI RISERVA + PILOTA
## NR.1 MAIN ELECTRIC PUMP + NR.1 BACKUP ELECTRIC PUMP + JOCKEY PUMP

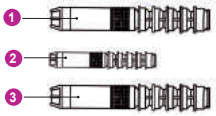
## ELENCO COMPONENTI
## COMPONENT LIST

1. Elettropompa di servizio Sommersa
2. Elettropompa di riserva Sommersa
3. Elettropompa Pilota Sommersa
4. Valvola di ritegno a clapet
5. Valvola di intercettazione lucchettabile
6. Valvola di ritegno
7. Valvola di intercettazione a sfera con leva
8. Collettore di mandata reversibile completo di flangia cieca
9. Derivazione per collettore di prova di portata
10. Predisposizione per kit sprinkler
11. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
12. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
13. Quadri elettrici di comando (uno per ogni pompa)
14. Kit diaframma di ricircolo completo di indicatore visivo di flusso
15. Manometro 0-16 bar
16. Serbatoio Autoclave 24 lt PN16
17. Telaio

1. Main submersible electric pump
2. Backup submersible electric pump
3. Jockey submersible electric pump
4. Swing Check Valve (“Clapet” Valve)
5. Shut-off valve lockable
6. Check valve
7. Ball valve with level
8. Reversible delivery manifold with blind flange
9. Shunt for flow meter
10. Predisposition for sprinkler kit
11. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button,1 pressure gauge 0-16 bar and by-pass circuit
12. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
13. Electrical control panels (one for each pump)
14. Kit recycling diaphragm complete with visual flow indicator
15. Pressure gauge 0-16 bar
16. Diaphragm pressure vessel 24LT PN16
17. Frame

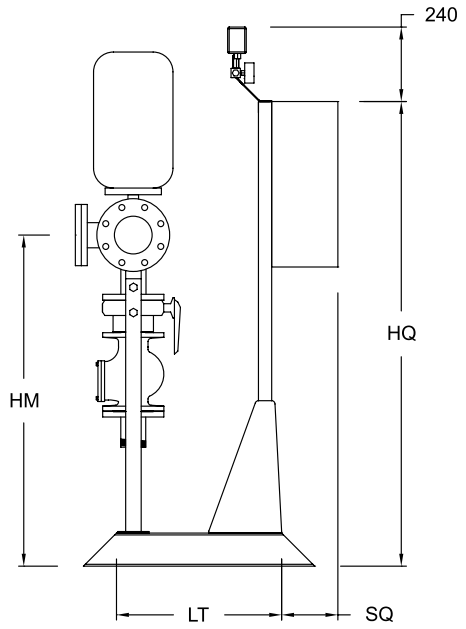


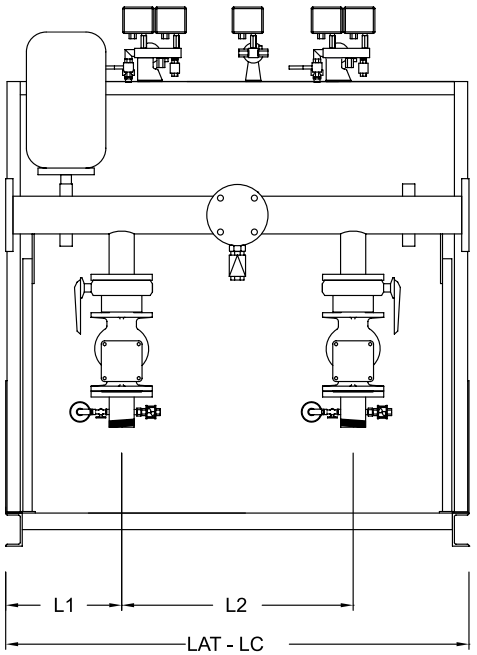



# IDROFIRE SM P2E

## **DIMENSIONI** DIMENSIONS




## **DATI TECNICI** TECHNICAL DATA

| **MODELLO GRUPPO** | **POMPA PRINCIPALE** | | | **POMPA PILOTA** | | | **COLLETTORE DI MANDATA** | **KIT FLUSSIMETRO** | **DIMENSIONI MM** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | lung. cavo | kit valvole | | mot. el. | lung. cavo | | | | | | | | | | | | |
| MODEL GROUP | MAIN PUMP | | | | | | DELIVERY MANIFOLD | FLOW METER KIT | DIMENSION MM | | | | | | | | |
| | lenght cable | valves kit | | el. engine | lenght cable | | | | | | | | | | | | |
| SM P2E | kW | mod. | DN | mod. | kW | m | | mod. | bocca1 | bocca2 | Hq | Hm | LaT-Lc | Lt | L1 | L2 | Lf | Sq |
| **EN SM P2E 4T20 6/230+S12/60** | 1,5 | 2 | 50 | S12/60 | 0,55 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½” | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 4TH30 9/230+S15/60** | 2,2 | 2 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 4T40 11/230+S18/100** | 3 | 2 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 4T40 7/330+S15/60** | 3 | 2 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 4T55 9/330+S18/100** | 4 | 2 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 4T55 10/330+S18/100** | 4 | 2 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA75 12/330+S23/60** | 5,5 | 3 | 50 | S23/60 | 1,1 | 2 | DN80 - F50 | CM50 - V50 | 2” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 4T55 6/400+S15/60** | 4 | 2 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA75 7/400+S18/100** | 5,5 | 3 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA10 8/400+S18/100** | 7,5 | 3 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA10 10/400+S23/60** | 7,5 | 3 | 50 | S23/60 | 1,1 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA75 5/700+S15/60** | 5,5 | 3 | 50 | S15/60 | 0,75 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA10 6/700+S18/100** | 7,5 | 3 | 50 | S18/100 | 1,5 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA125 8/700+S23/60** | 9,2 | 3 | 50 | S23/60 | 1,1 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA15 10/700+S27/100** | 11 | 3 | 50 | S27/100 | 2,2 | 2 | DN80 - F50 | CM50 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA125 5/900+S15/60** | 9,2 | 3 | 65 | S15/60 | 0,75 | 2 | DN80 - F50 | CM65 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA15 6/900+S18/100** | 11 | 3 | 65 | S18/100 | 1,5 | 2 | DN80 - F50 | CM65 - V50 | 3” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA20 8/900+S23/60** | 15 | 3 | 65 | S23/60 | 1,1 | 2 | DN80 - F50 | CM65 - V50 | 3” | 1½ | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P2E 6TA15 3/1500+S12/60** | 11 | 3 | 65 | S12/60 | 0,55 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 1200 | 700 | 300 | 600 | 600 | 70 |
| **EN SM P2E 6TA20 4/1500+S15/60** | 15 | 3 | 65 | S15/60 | 0,75 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P2E 6TA25 5/1500+S18/100** | 18,5 | 3 | 65 | S18/100 | 1,5 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P2E 6TA30 6/1500+S23/60** | 22 | 3 | 65 | S23/60 | 1,1 | 2 | DN80 - F50 | CM65 - V50 | 4” | 1½ | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P1E E8S55/3A+S30/11** | 15 | 1,5 | 100 | S30/11 | 0,75 | 1,5 | DN125 – F80 | CM80–V80 | 100 | 1¼” | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P1E E8S55/4A+S30/16** | 18,5 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN125 – F80 | CM80–V80 | 100 | 1¼” | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P1E E8S55/5I+S30/16** | 22 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN125 – F80 | CM80–V80 | 100 | 1¼” | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P1E E8S55/5A+S30/16** | 26 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN125 – F80 | CM80–V80 | 100 | 1¼” | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P1E E8S64/3A+S30/11** | 22 | 1,5 | 100 | S30/11 | 0,75 | 1,5 | DN125 – F80 | CM80–V80 | 125 | 1¼” | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P1E E8S64/4K+S30/16** | 26 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN125 – F80 | CM80–V80 | 125 | 1¼” | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |
| **EN SM P1E E8S64/4A+S30/16** | 30 | 1,5 | 100 | S30/16 | 1,1 | 1,5 | DN125 – F80 | CM80–V80 | 125 | 1¼” | 1400 | 1000 | 1400 | 700 | 350 | 700 | 700 | 120 |

# ACCESSORI

GAMMA BG - VTS - SM

# ACCESSORIES

BG - VTS - SM RANGE

## KIT FLUSSIMETRO

Il kit comprende:

- Flussimetro di derivazione a lettura rinviata.
  Può essere installato sia in posizione verticale che orizzontale e va dimensionato in base alla portata massima dell'impianto.
- Collettore costruito in acciaio zincato con la funzione di un circuito dove convogliare l'acqua per effettuare la misurazione della portata. Va installato nell'apposita derivazione posta al centro del collettore di mandata
- Valvola di intercettazione lucchettabile tipo LUG posizionata tra il collettore e l'apposita derivazione del gruppo antincendio.

## FLOWMETER KIT

The kit is composed by:

- Derivation flowmeter. It can be installed either horizontally or vertically.
  It has to be dimensioned according to the maximum of the system
- The manifold is made of galvanized steel. It has the function to convey the water to the flowmeter to measure the capacity.
  It has to be installed in the centre of the delivery manifold.
- LUG Lockable ball valve between the manifold and the appropriate derivation flange of the fire fighting unit


## QUADRO DI ALLARME AUTOALIMENTATO CON BATTERIA A TAMPONE MOD. UNIT ALARM-EN

Quadro riporto allarmi da installare all'interno del locale di controllo degli sprinkler o nel locale pompe. Autoalimentato con batteria a tampone, segnala a distanza l'avviamento ed eventuali anomalie del gruppo. Obbligatorio come da norma EN12845.

## SELF-POWERED CONTROL ALARM PANEL WITH BUFFER BATTERY MOD. UNIT ALARM-EN

Control alarm panel to be installed inside the sprinklers checking room or pumps room. It is self-powered with buffer battery and it has the remote start and default signals. It is mandatory as per EN12845 norm.

## SIRENA ACUSTICO-LUMINOSA

Sirena acustico-luminosa da 90 dB. Come specifica la norma gli allarmi, devono essere trasmessi ad una postazione permanentemente presidiata, dentro o fuori dal fabbricato oppure ad una persona responsabile in modo tale che possa essere intrapresa immediatamente un'azione appropriata.

## BEACON AND FLASHING ALARM

Beacon and flashing alarm 90 dB. As requested by the norm the alarms must be sent to a permanent overseen place, inside or outside the building or to a responsible person. Therefore the most appropriate action can be undertaken immediately.

## GSM - MOD. MIKROS GSM

Combinatore telefonico GSM Dual Band multifunzione, particolarmente adatto a molteplici altre applicazioni quali l'attivazione da remoto di apparati elettrici in genere, così come la trasmissione di avvisi vocali, SMS o digitali di eventi tecnici o di allarme quali incendio, limiti di temperatura, assenza rete elettrica, soccorso ecc. ti avvisa con messaggi vocali, SMS o digitali.

## GSM - MOD. MIKROS GSM

Automatic phone dialler GSM Dual Band multifunction,.
It is suitable for several other applications such as electrical devices remote start, SMS, vocal, digital alerts transmissions of technical information or alarms such us fire, temperature limits, electrical mains absence, assistance etc.

## KIT SPRINKLER

- Sprinkler
- Valvola di prova flussostato per verificare il funzionamento di esso
- Scarico valvola di prova da scaricare singolarmente all'esterno o in vasca
- Flussostato a paletta

Adibito per la protezione del locale pompe in caso di incendio.

## SPRINKLER KIT

- Sprinkler.
- Water flow switch to check the functioning
- Discharge test valve into the tank
- Flow switch

- It is for the protection of the pumps room in case of fire

Technical information or alarms such us fire, temperature limits, electrical mains absence, assistance etc.

## GIUNTO DI COMPENSAZIONE

Disponibile in tre diverse tipologie.

- Giunto in gomma di compensazione flangiato (obbligatorio in caso di motopompa).
- Giunto in acciaio INOX.

## RUBBER JOINT

It is available in 3 different types:

- Flanged rubber joint (this is mandatory in case of motorpump)
- Galvanized steel joint

# ACCESSORI PER MOTOPOMPA

GAMMA BG - VTS

# ACCESSORIES FOR MOTORPUMP

BG - VTS RANGE

## KIT RICAMBI MOTORE DIESEL

Set kit manutenzione per motore diesel per 2 anni.

## DIESEL ENGINE SPARE PART KIT

Maintenance kit for diesel engine for 2 years

## SCAMBIATORE DI CALORE ACQUA-ACQUA PER MOTORI DIESEL RAFFREDDATI A LIQUIDO

Accessorio che viene applicato a motori diesel raffreddati a liquido, viene installato in sostituzione del radiatore tradizionale per facilitare e evitare la presenza di un convogliatore d'aria.

## HEAT EXCHANGER FOR LIQUID COOLED DIESEL ENGINE

This is installed in stead of the standard cooler in order to avoid the presence of an air conveyor

## VALVOLA DI SFIORO DI PRESSIONE

Valvola di sicurezza tarabile ultilizzata per scaricare l'eccesso di pressione.

## PRESSURE VENT VALVE

Adjustable safety valve to discharge the overpressure.

# ACCESSORI PER ASPIRAZIONE POMPE
GAMMA BG

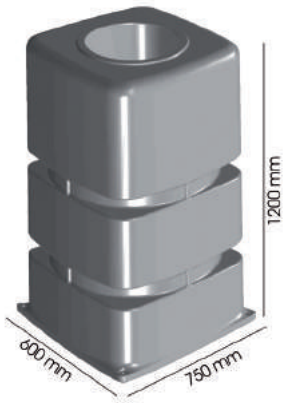
# ACCESSORIES FOR SUCTION PUMP
BG RANGE

## ACCESSORI PER GRUPPI INSTALLATI SOTTOBATTENTE
## ACCESSORIES FOR BELOW HEAD SUCTION PUMP

### KIT ASPIRAZIONE POMPE SOTTOBATTENTI
Come specificato nella norma EN12845, sull'aspirazione di ogni pompa che lavori sottobattente è obbligatorio installare:
- Una riduzione eccentrica bi flangiata in acciaio zincato per maggiorazione della sezione dell'impianto di aspirazione per far si che l'acqua scorra ad una velocità Max di 1,8 m/sec.
- Una valvola a farfalla tipo LUG del DN maggiorato della riduzione eccentrica
- Valvola a sfera con giunto 3 pezzi (per pompa pilota).

### ASPIRATION KIT FOR BELOW SUCTION PUMPS
As required in the norm EN12845, on the aspiration of each below suction pump, the below accessories are mandatory:
- Eccentric double flanged galvanized steel reduction to increase the diameter of the aspiration system piping in order to let the water flow with a maximum speed of 1,8 m/sec.
- LUG butterfly valve with the DN bigger than the one of the eccentric reduction.
- Ball valve with 3 pieces joint ( for jockey pump)

## ACCESSORI PER GRUPPI INSTALLATI SOPRABATTENTE
## ACCESSORIES FOR ABOVE HEAD SUCTION PUMP




### SERBATOIO DI ADESCAMENTO (n.1 per ogni pompa principale)
Serbatoio della capacità di 100 o 500 lt a seconda della classificazione di rischio dello stabilimento (par. 10.6.2.3 norma EN12845), costruito in polietilene lineare con la funzione di adescare le pompe quando il gruppo è installato soprabattente. Viene fornito provvisto di raccordi, valvole e tubazioni per consentirne il corretto funzionamento.
Per le versioni P1E (1 elettropompa+pilota) e P1M (1 motopompa+pilota), esiste la possibilità di installare il serbatoio a bordo macchina mediante un supporto in acciaio zincato applicato direttamente sul telaio.
In tal caso il collegamento del serbatoio con le pompe verrà effettuato c/o nostro stabilimento.

### PRIMINING TANK (1 for each main pump)
100 or 500 lt tank according to the building classification of risk (par. 10.6.2.3 norma EN12845) with the function to prime the pump. It is made of linear polyethylene and is complete with connections, valves and piping to make it work properly. For the P1E (1electro pump + jockey) and P1M (1motor pump + jockey ), the tank can also be installed on board through a galvanized steel support based on the frame. In this case the connection between the tank and the pump will be made in our premises.
- Ball valve with 3 pieces joint (for jockey pump)

## RIDUZIONE ECCENTRICA BIFLANGIATA

Come specificato nella norma EN12845, sull'aspirazione di ogni pompa che lavori soprabattente è obbligatorio installare:

- Una riduzione eccentrica biflangiata in acciaio zincato con pendenza max di 20° per maggiorare la sezione dell'impianto di aspirazione per far si che l'acqua scorra ad una velocità Max di 1,5 m/sec.

## ECCENTRIC DOUBLE FLANGED REDUCTION

As required in the norm EN12845, on the aspiration of each above suction pump, the below accessories are mandatory:

- Eccentric double flanged galvanized steel reduction with a max slope of 20° to increase the diameter of the aspiration system piping in order to let the water flow with a maximum speed of 1,5 m/sec.

## KIT ASPIRAZIONE POMPE SOTTOBATTENTI

- Una valvola di fondo con succheruola flangiata del DN maggiorato della riduzione eccentrica per pompe principali
- Una valvola di fondo con filtro, filettata per pompa pilota (opzionale)

## ASPIRATION KIT FOR BELOW HEAD SUCTION PUMPS

- Flanged foot valve with strainer with a DN bigger than the one of the eccentric reduction of the main pumps
- Threaded foot valve with filter for jockey pump (optional)

# ACCESSORI
GAMMA SM

# ACCESSORIES
SM RANGE

## CAMICIA DI RAFFREDDAMENTO PER ELETTROPOMPA SOMMERSA

Composto da un tubo in acciaio zincato con dadi di centraggio e filtro per evitare l'aspirazione di scorie.
La tubazione è tenuta in obliquo grazie a dei supporti di diversa altezza e con predisposti due fori per il fissaggio della camicia sul fondo del serbatoio. Consigliato per elettropompe sommerse.

## COOLING CHAMBER FOR SUBMERSIBLE ELECTRO PUMP

It is composed by a galvanized steel pipe with centring pins and filter to avoid the aspiration of slag.
The piping is oblique thanks to supports of different height and it has 2 locks to fix the chamber at the bottom of the tank.
It is advisable for submersible electro pump.

## SUPPORTO AD ANELLO PER ELETTROPOMPA SOMMERSA

Costruiti con anelli di larghezza 5 cm in acciaio zincato, con saldati 3 dadi per permettere il centraggio delle pompe.
Vengono utilizzati per elettropompe sommerse in caso di installazione orizzontale, al contrario della camicia di raffreddamento viene utilizzato solo come supporto.

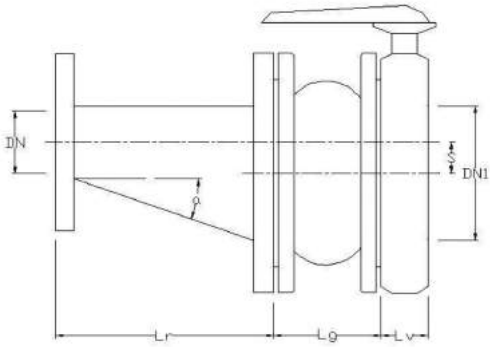
## RING SUPPORTS FOR SUBMERSIBLE ELECTRO PUMP

The 5 cm galvanized steel rings have 3 welded nuts to centre the pumps. They are used for the submersible electro pump with horizontal installation only like supports.

# INFORMAZIONI TECNICHE
## ASPIRAZIONE POMPE GAMMA BG
# TECHNICAL INFORMATION
## BG RANGE PUMP SUCTION

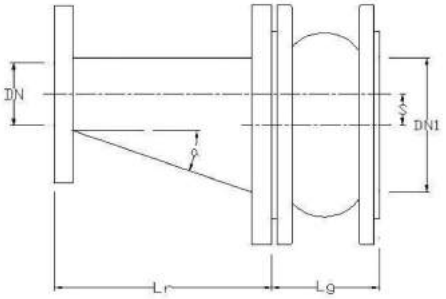
### INSTALLAZIONE **SOTTOBATTENTE**
Rif. Accessorio - Kit aspirazione sottobattente mod. P (DN) - S (DN1)
(Giunto di compensazione obbligatorio solo in caso di motopompa)

### **BELOW HEAD** INSTALLATION
Rif. Accessory - aspiration kit below head suction pump mod. P (DN) - S (DN1)
(Flanged rubber joint mandatory only in case of motor pump)




### INSTALLAZIONE **SOPRABATTENTE**
Rif. Accessorio - Riduzione eccentrica mod. DN x DN1
(Giunto di compensazione obbligatorio solo in caso di motopompa)

### **ABOVEHEAD** INSTALLATION
Rif. Accessory - eccentric double flanged mod. DN x DN1
(Eccentric double wall redcution mandatory only in case of motor pump)




**DATI TECNICI** TECHNICAL DATA

| DN | DN1 | Lr | Lg | Lv | s |
|---|---|---|---|---|---|
| **50** | 65 | 155 | 115 | 46 | 7,5 |
| **50** | 80 | 160 | 130 | 46 | 15 |
| **50** | 100 | 190 | 135 | 52 | 27,5 |
| **65** | 80 | 190 | 130 | 46 | 7,5 |
| **65** | 100 | 220 | 135 | 52 | 20 |
| **65** | 125 | 220 | 170 | 56 | 32,5 |
| **65** | 150 | 315 | 180 | 56 | 49 |
| **80** | 100 | 225 | 135 | 52 | 12,5 |
| **80** | 125 | 225 | 170 | 56 | 25 |
| **80** | 150 | 265 | 180 | 56 | 40 |
| **80** | 200 | 405 | 205 | 60 | 65 |
| **80** | 250 | 562 | 245 | 68 | 94,5 |
| **100** | 150 | 250 | 180 | 56 | 25,5 |
| **100** | 200 | 340 | 205 | 60 | 52,5 |
| **100** | 250 | 495 | 245 | 68 | 80 |
| **125** | 200 | 300 | 205 | 60 | 40 |
| **125** | 250 | 440 | 245 | 68 | 67,5 |
| **125** | 300 | 565 | 260 | 78 | 92,5 |
| **125** | 350 | 680 | 265 | 78 | 112,5 |
| **150** | 200 | 350 | 205 | 60 | 27,5 |
| **150** | 250 | 360 | 245 | 68 | 52,5 |
| **150** | 300 | 485 | 260 | 78 | 77,5 |
| **150** | 350 | 600 | 265 | 78 | 97,5 |
| **150** | 400 | 765 | 265 | 102 | 127,5 |
| **200** | 300 | 460 | 260 | 78 | 55 |
| **200** | 350 | 480 | 265 | 78 | 75 |
| **200** | 400 | 630 | 265 | 102 | 102,5 |
| **200** | 450 | 740 | 265 | 114 | 122,5 |
| **250** | 350 | 570 | 265 | 78 | 40 |
| **250** | 400 | 570 | 265 | 102 | 72,5 |
| **250** | 450 | 580 | 265 | 114 | 92,5 |

**LEGENDA** LEGEND

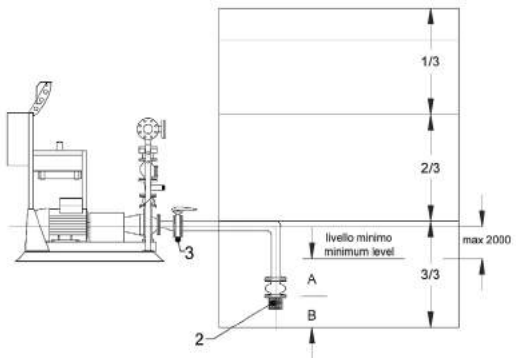
**a**: angolo massimo 20° come da par.10.6.2.1 della UNI EN 12845:2009
**Tolleranze Lunghezza**: +/- 5 mm
**Tolleranze**: +/- 5 mm
**DN**: Diametro Aspirazione lato pompa
**DN1**: Diametro Aspirazione dimensionato come da norma EN12845 par. 10.6.2
**Lr**: Lunghezza riduzione eccentrica
**Lg**: Lunghezza giunto di compensazione
**Lv**: Lunghezza Valvola di intercettazione
**s**: disassamento

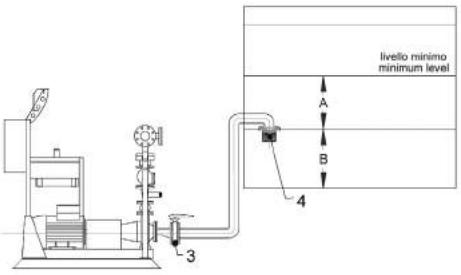
a: maximum 20° as per par.10.6.2.1 of the UNI EN 12845:2009
Lenght tolerances : +/- 5 mm
TS tolerances : +/- 5 mm
DN: Diameter aspiration pump side
DN1: Aspiration diameter dimensioned accoring to EN12845 par. 10.6.2
Lr: Eccentric double flanged reduction lenght
Lg: Flanged rubber joint lenght
Lv: Ball valve lenght
s: offset

# INFORMAZIONI TECNICHE
## TIPO DI INSTALLAZIONE
# TECHNICAL INFORMATION
## INSTALLATION TYPE

### INSTALLAZIONE **SOTTOBATTENTE**
- DN minimo 65 (par. 10.6.2.2 - EN12845)
- Velocita' acqua 1.8 m/s (par. 10.6.2.2 - EN12845)
- Nel caso di serbatoi aperti applicare un filtro all'esterno del serbatoio.
- Tra serbatoio e filtro installare una valvola d'intercettazione (par. 9.3.6 - EN12845)
- Aspirazioni interconnesse con valvole d'intercettazione (par. 10.6.2.2 - EN12845)

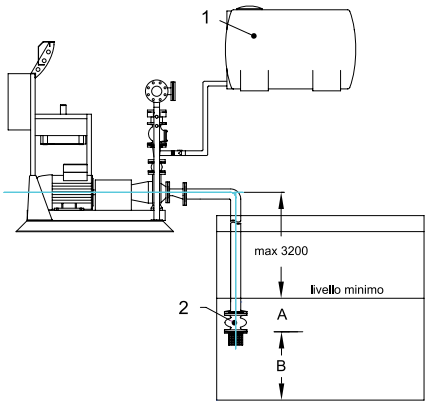
### **BELOWHEAD** INSTALLATION
- Minimum DN 65DN (par. 10.6.2.2- EN12845)
- Water speediness 1.8 m/s (par. 10.6.2.2 - EN12845)
- In case of open tank, you should put an external filter outside the tank
- An intercept valve has to be installed between the tank and the filter (par. 9.3.6 - EN12845)
- Interconnected aspirations with intercept valves (par. 10.6.2.2 - EN12845)




### INSTALLAZIONE **SOPRABATTENTE**
- DN minimo 80 (par. 10.6.2.3 - EN12845)
- Velocitá acqua 1.5 m/s (par. 10.6.2.3 - EN12845)
- In aspirazione applicare una valvola di fondo con a monte un filtro da poter pulire senza svuotare il serbatoio (par. 9.3.6 - EN12845)
- Aspirazioni singole per ogni pompa (par. 10.6.2.3 - EN12845)
- Ogni pompa deve essere dotata di un serbatoio di adescamento automatico (par. 10.6.2.4 - EN12845)

### **ABOVEHEAD** INSTALLATION
- Minimum DN 80 (par. 10.6.2.3 - EN12845)
- Water speediness 1.5 m/s (par. 10.6.2.3 - EN12845)
- Aspiration shut-down valve with a filter installed at the end of it. It has to be possible to clean the filter without empty the tank (par. 9.3.6 - EN12845)
- Single aspiration for each pump (par. 10.6.2.3 - EN12845)
- Each pump has to be equipped with a priming automatic tank (par. 10.6.2.4 - EN12845)




**DATI TECNICI** TECHNICAL DATA

| Ø nominale tubo di aspirazione | h A minimo | h B minimo | Dim. minima piastra antivortice |
|---|---|---|---|
| Nominal Ø aspiration pipe | Minimum h A | Minimum h B | Minimum dimensions for the anivortex plate |
| mm | m | m | m |
| **65** | 65 | 0.08 | 0.20 |
| **80** | 80 | 0.08 | 0.20 |
| **100** | 100 | 0.10 | 0.40 |
| **150** | 150 | 0.10 | 0.60 |
| **200** | 200 | 0.15 | 0.80 |
| **250** | 250 | 0.20 | 1.00 |
| **300** | 300 | 0.20 | 1.20 |
| **400** | 400 | 0.30 | 1.20 |
| **500** | 500 | 0.35 | 1.20 |

| Classe di pericolo | Capacità min. del serbatoio | Ø tubazione minima |
|---|---|---|
| Hazard Class | Miminum tank capacity | Minimum pipe Ø |
| | lt | mm |
| **LH** | 100 | 25 |
| **OH-HHP-HHS** | 500 | 50 |

**LEGENDA** LEGEND

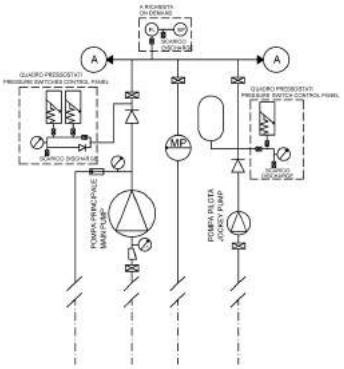
**1**: serbatoio adescamento
**2**: valvola di fondo con filtro
**3**: valvola d'intercettazione
**4**: filtro
**A**: distanza tra livello min.ed aspirazione
**B**: distanza dall'aspirazione al fondo.
Se applicata una piastra antivortice a=0.1 m (par. 9.3.5 – EN12845)

1: priming tank
2: shut-down valve with filter
3: intercept valve
4: filter
A: distance between aspiration and min. level
B: Distance between aspiration and bottom. In case there is the antivortex plate a=0.1 m (par. 9.3.5 – EN12845)

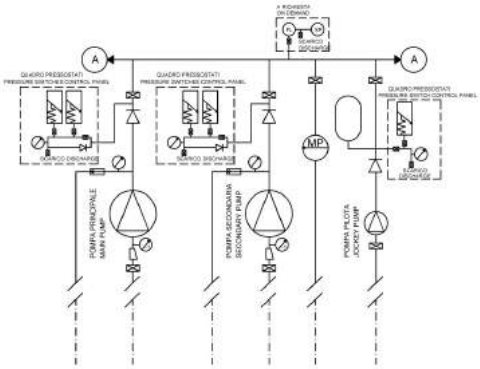
# INFORMAZIONI TECNICHE
## SCHEMI IDRAULICI
# TECHNICAL INFORMATION
## HYDRAULIC DIAGRAMS

### SCHEMA MONTAGGIO GRUPPO ANTINCENDIO EN12845 INSTALLAZIONE SOTTOBATTENTE
### FIRE FIGHTING UNIT ASSEMBLY DIAGRAM EN12845 UNDER HEAD SUCTION INSTALLATION

**1 POMPA** 1 PUMP

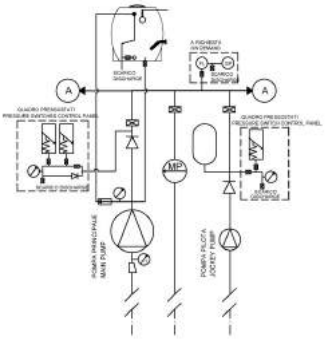



**2 POMPE** 2 PUMPS

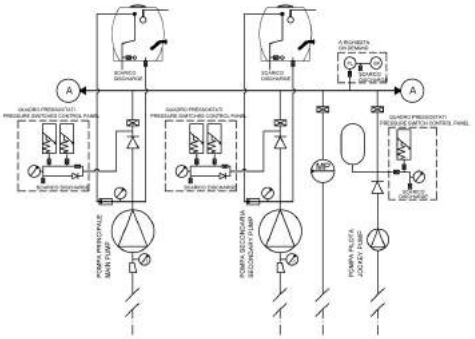


### SCHEMA MONTAGGIO GRUPPO ANTINCENDIO EN12845 INSTALLAZIONE SOPRABATTENTE
### FIRE FIGHTING UNIT ASSEMBLY DIAGRAM EN12845 OVER HEAD SUCTION INSTALLATION

**1 POMPA** 1 PUMP

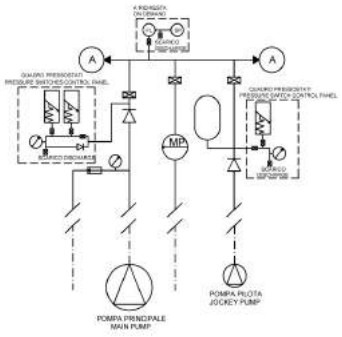



**2 POMPE** 2 PUMPS

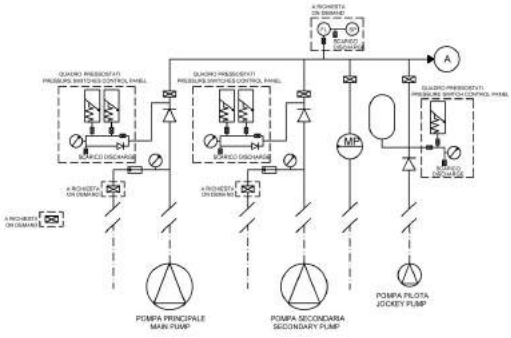


### SCHEMA MONTAGGIO GRUPPO ANTINCENDIO EN12845 CON POMPE SOMMERSE
### FIRE FIGHTING UNIT ASSEMBLY DIAGRAM EN12845 WITH SUBMERGED PUMP

**1 POMPA** 1 PUMP

**2 POMPE** 2 PUMPS



# COMPONENTI PER IMPIANTI
# COMPONENTS FOR INSTALLATION

## IMPIANTI AD IDRANTI
## HYDRANT INSTALLATIONS

Naspi DN25.
DN25 Fire hose.

Idranti DN45 a muro da interno e da esterno.
DN45 Internal and externale Fire Hydrants.

Idranti soprasuolo DN70.
DN70 Overground hydrants.

Cassetta corredo idrante soprasuolo DN70.
DN70 Hose rack cabinet for overground hydrants.

Gruppi attacco autopompa di mandata.
Delivery coupling units.

Armadio corredo idrante sottosuolo.
Cabinets for underground hydrant.

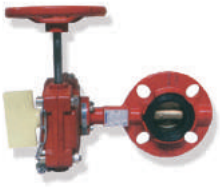
Idranti sottosuolo con attacco baionetta o filettato.
Underground hydrants with bayonet coupling or threaded end.

# IMPIANTI SPRINKLER
## SPRINKLERS INSTALLATIONS

Valvole di allarme Sprinkler ad umido assemblate.
Wed alarm sprinkler valve assembly.

Valvole di allarme Sprinkler a secco assemblate.
Dry alarm valve sprinkler assembly.

Valvole di allarme Sprinkler a diluvio ad attuazione elettrica assemblate.
Deluge alarm valve sprinkler assembly.



Valvole a farfalla PN10/16 - ANSI 125.
PN10/16 - ANSI 125 Butterfly valves.

Saracinesche a vite esterna UL/FM.
UL/FM Gate valves, outside screw.

Valvole di sicurezza UL/FM.
UL/FM Reliev valves.

Sprinkler Upright DN 15 K=80 ½" NPT.
Upright DN 15 K=80 ½" NPT Sprinklers.

Sprinkler per magazzini – ESFR.
Storage sprinklers – ESFR.

Sprinkler orizzontali.
Horizontal sprinklers.

Ugello nebulizzatore.
Atomizer nozzles.

# IMPIANTI A SCHIUMA
## FOAM INSTALLATIONS

Gruppi mobili a schiuma.
Mobile foam groups.

Miscelatore variabile da 1% a 6%.
Miscelatore variabile da 1% a 6%.

Lancia schiuma media espansione.
Foam nozzles, medium expansion.

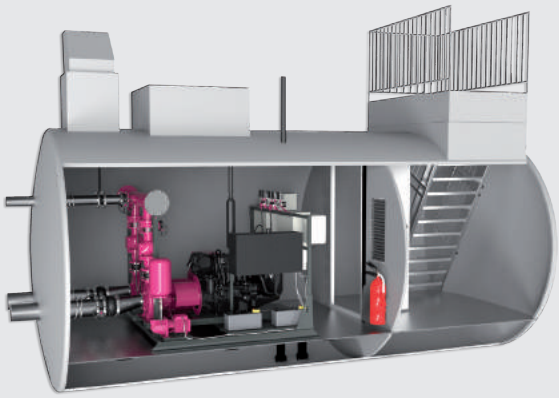
Lance schiuma bassa espansione.
Foam nozzles, low expansion.

Nella catalogo specifico **LOCALI E SISTEMI** illustreremo tutte le nostre soluzioni per ciò che riguarda sia l'alloggiamento dei gruppi antincendio all'interno dei locali tecnici che le riserve idriche.

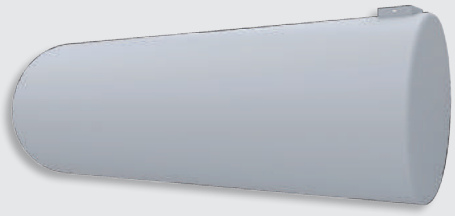
In the other catalogue we show all our solutions for the fire fighting unit rooms and for the water storages.

# LA GAMMA COMPLETA
# COMPLETE RANGE

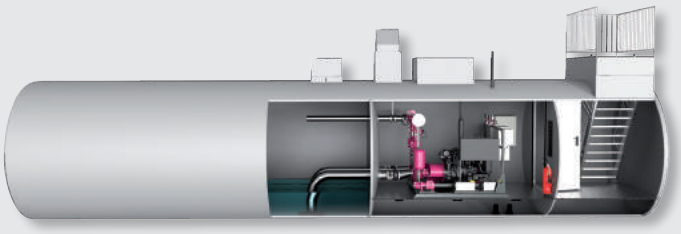
UNISHELT: Locale tecnico da ESTERNO a norma UNI11292 per alloggio gruppi pompe della gamma BG.
UNISHELT: External room for the fire fighting units (BG, VTS e SM models) according to UNI11292 norm.



UNIVAIN: Locale tecnico da INTERRO a norma UNI11292 per alloggio gruppi pompe della gamma BG.
UNIVAIN: Underground room for the fire fighting units (BG models) according to UNI11292 norm.



Riserve idriche per impianti antincendio da interro o da esterno, nella versione in acciaio o in polietilene.
Polietylen and steel water storage for underground and external fire fighting units.



Sistemi integrati da interro o da esterno a norma UNI11292.
Underground and externa integrated systems accordin to UNI11292 norm.

Per tutte le informazioni consultare la sezione dedicata del nostro catalogo.
For any information please look at appropriate catalogue.


**CATALOGO SISTEMI ANTINCENDIO UNI EN 12845**
UNI EN 12845 FIRE FIGHTING SYSTEMS CATALOGUE


**CATALOGO LOCALI TECNICI E SISTEMI INTEGRATI UNI 11292 PER GRUPPI ANITNCENDIO**
UNI 11292 TECHNICAL PREMISES AND INTEGRATED SYSTEMS FOR FIRE FIGHTING UNITS CATALOGUE


**CATALOGO GRUPPI DI PRESSURIZZAZIONE**
PRESSURIZZATION UNITS CATALOGUE

Edition **May 2014**

MEMBER OF

EPTA gruppo

**CATALOGO TECNICO** TECHNICAL CATALOGUE

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