

Tecnologia di trasferimento dei fluidi per il settore marino  
*Fluid transfer technology for marine sector*



**LIVERANI**  
FLUID TRANSFER TECHNOLOGY

LIVERANI nasce nel 1950 come costruttore di pompe in bronzo e in acciaio inox. La lunga esperienza nella produzione di pompe per i diversi settori, ci consente con la divisione nautica, di proporci come partner ideale per i costruttori di imbarcazioni da diporto, da pesca, da lavoro e militari.

La gamma comprende pompe a puleggia, con frizione manuale o magnetica, con motore idraulico; elettropompe, autoclavi e elettroventilatori con motorizzazioni in corrente continua e alternata, motopompe con motore diesel, pompe a mano. I materiali utilizzati sono tutti idonei per l'ambiente marino.

L'azienda si sviluppa su un'area di 12000 m<sup>2</sup> di cui 6800 coperti, dove operano in sinergia circa 35 persone. Le lavorazioni vengono effettuate su macchine automatiche a controllo numerico, le linee di montaggio sono ben organizzate ed il magazzino ricambi è totalmente automatizzato.

La progettazione viene effettuata all'interno, in un apposito reparto di progettazione, ricerca e sviluppo.

*LIVERANI was born in the 1950 as a manufacturer of bronze and stainless steel pumps. The long experience in pumps construction for different sectors, allows us with the nautic division, to be considered as an ideal partner for the manufacturer of yachts, merchant, fishing and military ships.*




*The company's production includes: pumps with pulley, with manual or magnetic clutch, with hydraulic motor; electric pumps, pressure boosters and electric blowers with DC and AC motors, diesel engine pumps, hand pumps. The construction materials are selected for marine use.*

*The factory covers an area of 12000 m<sup>2</sup> of which 6800 indoors, where about 35 people works in full synergy. The machineries are made with CNC machines, the assembly lines are very well organized and the spares warehouse is fully automated.*

*The engineering is developed in house, in a special R&D department.*



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Pompe autoadescanti bisenso ad anello liquido in bronzo e in acciaio inox AISI 316. A seconda del materiale utilizzato trovano applicazione nel settore nautico per svuotamento di sentine e travaso di liquidi chiari come acqua dolce, acqua di mare, gasolio, liquidi alimentari e chimici. Pompe a puleggia (**NAUTIC-SPECIAL**), con frizione manuale (**NAUTIC F**), con frizione elettromagnetica 12 o 24V (**SPECIAL FM**), predisposte o complete di motore idraulico (**MID**).

*Liquid ring pumps, selfpriming and reversible, made of bronze and stainless steel AISI 316. According to the construction materials they are widely used in the nautical sector to empty bilges and transfer clear liquids such as fresh water, sea water, diesel-oil, food and chemical products. Pumps are with pulley (NAUTIC-SPECIAL), with manual clutch (NAUTIC F), with electromagnetic clutch 12 or 24V (SPECIAL FM), flanged or with hydraulic motor (MID).*



| Modello<br>Type          | Materiale<br>Material              | Collegamento<br>Connection  | Giri/min.<br>RPM | kW * | Portata<br>Capacity | Prevalenza<br>Head |
|--------------------------|------------------------------------|---|------------------|------|---------------------|--------------------|
| SPECIAL NEOS 3/4"        | Inox AISI 316<br>S. Steel AISI 316 | Albero nudo o puleggia<br>Bare shaft or pulley                    | 2800             | 0.25 | 0 - 29 l/min        | 22 - 0 m           |
|                          |                                    |   | 3300             | 0.30 | 0 - 36 l/min        | 24 - 0 m           |
| SPECIAL JUNIOR 1"1/4     | Inox AISI 316<br>S. Steel AISI 316 | Albero nudo o puleggia<br>Bare shaft or pulley                    | 2800             | 0.55 | 0 - 58 l/min        | 22 - 0 m           |
|                          |                                    |   | 3300             | 0.75 | 0 - 62 l/min        | 24 - 0 m           |
| SPECIAL SENIOR 1" 1/2    | Inox AISI 316<br>S. Steel AISI 316 | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 1.10 | 0 - 120 l/min       | 22 - 0 m           |
|                          |                                    |   | 2000             | 1.85 | 0 - 170 l/min       | 35 - 0 m           |
| SPECIAL MASTER 2"        | Inox AISI 316<br>S. Steel AISI 316 | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                          |                                    |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| SPECIAL 60 Inox 2"       | Inox AISI 316<br>S. Steel AISI 316 | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 4.0  | 0 - 350 l/min       | 35 - 0 m           |
|                          |                                    |   | 2000             | 5.5  | 0 - 450 l/min       | 50 - 0 m           |
| NAUTIC 70 Inox           | Inox AISI 316<br>S. Steel AISI 316 | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                          |                                    |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |
| NAUTIC 80 Inox           | Inox AISI 316<br>S. Steel AISI 316 | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 15.0 | 0 - 900 l/min       | 55 - 0 m           |
|                          |                                    |   | 2000             | 22.5 | 0 - 1000 l/min      | 65 - 0 m           |
| NAUTIC 70 Inox F         | Inox AISI 316<br>S. Steel AISI 316 | Puleggia con frizione<br>Pulley with clutch                       | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                          |                                    |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |
| NAUTIC 80 Inox F         | Inox AISI 316<br>S. Steel AISI 316 | Puleggia con frizione<br>Pulley with clutch                       | 1400             | 15.0 | 0 - 900 l/min       | 55 - 0 m           |
|                          |                                    |   | 2000             | 22.5 | 0 - 1000 l/min      | 65 - 0 m           |
| SPECIAL SENIOR 1" 1/2 FM | Inox AISI 316<br>S. Steel AISI 316 | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12V or 24V | 1400             | 1.10 | 0 - 120 l/min       | 22 - 0 m           |
|                          |                                    |   | 2000             | 1.85 | 0 - 170 l/min       | 35 - 0 m           |
| SPECIAL MASTER 2" FM     | Inox AISI 316<br>S. Steel AISI 316 | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12V or 24V | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                          |                                    |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| SPECIAL 60 Inox 2" FM    | Inox AISI 316<br>S. Steel AISI 316 | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12V or 24V | 1400             | 4.0  | 0 - 350 l/min       | 35 - 0 m           |
|                          |                                    |   | 2000             | 5.5  | 0 - 450 l/min       | 50 - 0 m           |
| NAUTIC 70 Inox FM        | Inox AISI 316<br>S. Steel AISI 316 | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12V or 24V | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                          |                                    |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |
| NAUTIC 80 Inox FM        | Inox AISI 316<br>S. Steel AISI 316 | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12V or 24V | 1400             | 15.0 | 0 - 900 l/min       | 55 - 0 m           |
|                          |                                    |   | 2000             | 22.5 | 0 - 1000 l/min      | 65 - 0 m           |
| MID MASTER 2"            | Inox AISI 316<br>S. Steel AISI 316 | Motore idraulico<br>Hydraulic motor                               | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                          |                                    |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| MID 60 Inox 2"           | Inox AISI 316<br>S. Steel AISI 316 | Motore idraulico<br>Hydraulic motor                               | 1400             | 4.0  | 0 - 350 l/min       | 35 - 0 m           |
|                          |                                    |   | 2000             | 5.5  | 0 - 450 l/min       | 50 - 0 m           |
| MID 70 Inox              | Inox AISI 316<br>S. Steel AISI 316 | Motore idraulico<br>Hydraulic motor                               | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                          |                                    |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |
| MID 80 Inox              | Inox AISI 316<br>S. Steel AISI 316 | Motore idraulico<br>Hydraulic motor                               | 1400             | 15.0 | 0 - 900 l/min       | 55 - 0 m           |
|                          |                                    |   | 2000             | 22.5 | 0 - 1000 l/min      | 65 - 0 m           |

\* Potenza richiesta / Required power



NAUTIC 50



SPECIAL 50



MID 50



MID 70



NAUTIC 70



NAUTIC 50 F



NAUTIC 70 F



SPECIAL 30 FM

| Modello<br>Type | Materiale<br>Material | Collegamento<br>Connection  | Giri/min.<br>RPM | kW * | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|---|------------------|------|---------------------|--------------------|
| NAUTIC 25       | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 2800             | 0.55 | 0 - 60 l/min        | 18 - 0 m           |
|                 |                       |   | 3300             | 0.75 | 0 - 75 l/min        | 22 - 0 m           |
| NAUTIC 30       | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 0.75 | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       |   | 2000             | 1.10 | 0 - 120 l/min       | 30 - 0 m           |
| NAUTIC 40       | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 1.10 | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       |   | 2000             | 1.85 | 0 - 170 l/min       | 35 - 0 m           |
| NAUTIC 50       | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                 |                       |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| NAUTIC 70       | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                 |                       |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |
| SPECIAL 20      | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 2800             | 0.25 | 0 - 29 l/min        | 15 - 0 m           |
|                 |                       |   | 3300             | 0.30 | 0 - 36 l/min        | 24 - 0 m           |
| SPECIAL 25      | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 2800             | 0.55 | 0 - 60 l/min        | 18 - 0 m           |
|                 |                       |   | 3300             | 0.75 | 0 - 75 l/min        | 22 - 0 m           |
| SPECIAL 30      | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 0.75 | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       |   | 2000             | 1.10 | 0 - 120 l/min       | 30 - 0 m           |
| SPECIAL 40      | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 1.10 | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       |   | 2000             | 1.85 | 0 - 170 l/min       | 35 - 0 m           |
| SPECIAL 50      | Bronzo<br>Bronze      | Albero nudo o puleggia<br>Bare shaft or pulley                    | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                 |                       |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| NAUTIC 30 F     | Bronzo<br>Bronze      | Puleggia con frizione<br>Pulley with clutch                       | 1400             | 0.75 | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       |   | 2000             | 1.10 | 0 - 120 l/min       | 30 - 0 m           |
| NAUTIC 40 F     | Bronzo<br>Bronze      | Puleggia con frizione<br>Pulley with clutch                       | 1400             | 1.10 | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       |   | 2000             | 1.85 | 0 - 170 l/min       | 35 - 0 m           |
| NAUTIC 50 F     | Bronzo<br>Bronze      | Puleggia con frizione<br>Pulley with clutch                       | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                 |                       |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| NAUTIC 70 F     | Bronzo<br>Bronze      | Puleggia con frizione<br>Pulley with clutch                       | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                 |                       |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |
| SPECIAL 30 FM   | Bronzo<br>Bronze      | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12v or 24V | 1400             | 0.75 | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       |   | 2000             | 1.10 | 0 - 120 l/min       | 30 - 0 m           |
| SPECIAL 40 FM   | Bronzo<br>Bronze      | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12v or 24V | 1400             | 1.10 | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       |   | 2000             | 1.85 | 0 - 170 l/min       | 35 - 0 m           |
| SPECIAL 50 FM   | Bronzo<br>Bronze      | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12v or 24V | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                 |                       |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| NAUTIC 70 FM    | Bronzo<br>Bronze      | Frizione magnetica 12V o 24V<br>Electromagnetic clutch 12v or 24V | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                 |                       |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |
| MID 40          | Bronzo<br>Bronze      | Motore idraulico<br>Hydraulic motor                               | 1400             | 1.10 | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       |   | 2000             | 1.85 | 0 - 170 l/min       | 35 - 0 m           |
| MID 50          | Bronzo<br>Bronze      | Motore idraulico<br>Hydraulic motor                               | 1400             | 1.85 | 0 - 230 l/min       | 30 - 0 m           |
|                 |                       |   | 2000             | 3.0  | 0 - 300 l/min       | 50 - 0 m           |
| MID 70          | Bronzo<br>Bronze      | Motore idraulico<br>Hydraulic motor                               | 1400             | 7.5  | 0 - 500 l/min       | 40 - 0 m           |
|                 |                       |   | 2000             | 11.0 | 0 - 590 l/min       | 60 - 0 m           |

\* Potenza richiesta / Required power

## Elettropompe autoadescanti bisenso *Selfpriming and reversible electric pumps*

Elettropompe autoadescanti bisenso ad anello liquido in bronzo e in acciaio inox AISI 316. A seconda del materiale utilizzato trovano applicazione nel settore nautico per svuotamento di sentine e travaso di liquidi chiari come acqua dolce, acqua di mare, gasolio, liquidi alimentari e chimici.

*Liquid ring electric pumps, selfpriming and reversible, made of bronze and stainless steel AISI 316. According to the construction materials the pumps are widely used in the nautical sector to empty bilges and transfer clear liquids such as fresh water, sea water, diesel-oil, food and chemical products.*



Elettropompe in bronzo monofase o trifase / *Bronze single-phase or three-phase electric pumps*

| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| EPH 20          | Bronzo / Bronze       | 0.22 | 230V - 50Hz                  | 2800             | 0 - 29 l/min        | 15 - 0 m           |
| EPH 25          | Bronzo / Bronze       | 0.45 | 230V - 50Hz                  | 2800             | 0 - 60 l/min        | 18 - 0 m           |
| EP 20           | Bronzo<br>Bronze      | 0.22 | 230V - 50Hz                  | 2800             | 0 - 29 l/min        | 15 - 0 m           |
|                 |                       | 0.26 | 230/400V - 50Hz              | 2800             | 0 - 29 l/min        | 15 - 0 m           |
|                 |                       | 0.25 | ADPE-ATEX 230/400V - 50Hz    | 2800             | 0 - 29 l/min        | 15 - 0 m           |
| EP 25           | Bronzo<br>Bronze      | 0.45 | 230V - 50Hz                  | 2800             | 0 - 60 l/min        | 18 - 0 m           |
|                 |                       | 0.56 | 230/400V - 50Hz              | 2800             | 0 - 60 l/min        | 18 - 0 m           |
|                 |                       | 0.55 | ADPE-ATEX 230/400V - 50Hz    | 2800             | 0 - 60 l/min        | 18 - 0 m           |
| EP 30           | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 1400             | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       | 0.75 | 230/400V - 50Hz              | 1400             | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       | 0.75 | ADPE-ATEX 230/400V - 50Hz    | 1400             | 0 - 75 l/min        | 18 - 0 m           |
| EP 40           | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 1400             | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       | 1.1  | 230V - 50Hz                  | 1400             | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       | 0.75 | 230/400V - 50Hz              | 1400             | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       | 1.1  | 230/400V - 50Hz              | 1400             | 0 - 120 l/min       | 22 - 0 m           |
|                 |                       | 0.75 | ADPE-ATEX 230/400V - 50Hz    | 1400             | 0 - 120 l/min       | 22 - 0 m           |
| EP 50           | Bronzo<br>Bronze      | 1.87 | 230V - 50Hz                  | 1400             | 0 - 230 l/min       | 30 - 0 m           |
|                 |                       | 1.87 | 230/400V - 50Hz              | 1400             | 0 - 230 l/min       | 30 - 0 m           |
|                 |                       | 1.5  | ADPE-ATEX 230/400V - 50Hz    | 1400             | 0 - 230 l/min       | 30 - 0 m           |
| EP 70           | Bronzo<br>Bronze      | 5.5  | 400/690V - 50Hz              | 1400             | 0 - 500 l/min       | 40 - 0 m           |
|                 |                       | 7.5  | 400/690V - 50Hz              | 1400             | 0 - 500 l/min       | 40 - 0 m           |
|                 |                       | 5.5  | ADPE-ATEX 400/690V - 50Hz    | 1400             | 0 - 500 l/min       | 40 - 0 m           |
|                 |                       | 7.5  | ADPE-ATEX 400/690V - 50Hz    | 1400             | 0 - 500 l/min       | 40 - 0 m           |

Elettropompe in bronzo a corrente continua / *Bronze direct current electric pumps*

| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| EP 20           | Bronzo<br>Bronze      | 0.33 | 12V - 26A                    | 2000             | 0 - 25 l/min        | 10 - 0 m           |
|                 |                       | 0.33 | 24V - 14A                    | 2000             | 0 - 25 l/min        | 10 - 0 m           |
| EP 20 T         | Bronzo<br>Bronze      | 0.45 | 12V - 36A                    | 3000             | 0 - 32 l/min        | 22 - 0 m           |
|                 |                       | 0.45 | 24V - 22A                    | 3000             | 0 - 32 l/min        | 22 - 0 m           |
| EP 25           | Bronzo<br>Bronze      | 0.45 | 12V - 38A                    | 2000             | 0 - 53 l/min        | 12 - 0 m           |
|                 |                       | 0.45 | 24V - 22A                    | 2000             | 0 - 53 l/min        | 12 - 0 m           |
| EP 30           | Bronzo / Bronze       | 0.6  | 24V - 28A                    | 1400             | 0 - 75 l/min        | 18 - 0 m           |
| EP 40           | Bronzo / Bronze       | 1.1  | 24V - 45A                    | 1400             | 0 - 120 l/min       | 22 - 0 m           |
| EP 50           | Bronzo / Bronze       | 1.5  | 24V - 95A                    | 1400             | 0 - 230 l/min       | 30 - 0 m           |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / *Available on request with other voltages at 50-60Hz*

Elettropompe in bronzo a corrente continua a magneti permanenti / *Bronze direct current electric pumps with permanent magnets*

| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| EP 20 MP        | Bronzo<br>Bronze      | 0.33 | 12V - 16A                    | 2800             | 0 - 29 l/min        | 15 - 0 m           |
|                 |                       | 0.33 | 24V - 8A                     | 2800             | 0 - 29 l/min        | 15 - 0 m           |
| EP 25 MP        | Bronzo<br>Bronze      | 0.45 | 12V - 45A                    | 2800             | 0 - 60 l/min        | 18 - 0 m           |
|                 |                       | 0.45 | 24V - 26A                    | 2800             | 0 - 60 l/min        | 18 - 0 m           |
| EP 30 MP        | Bronzo<br>Bronze      | 0.75 | 12V - 52A                    | 1400             | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       | 0.75 | 24V - 28A                    | 1400             | 0 - 75 l/min        | 18 - 0 m           |
|                 |                       | 0.90 | 24V - 32A                    | 1700             | 0 - 95 l/min        | 22 - 0 m           |
| EP 40 MP        | Bronzo / Bronze       | 1.1  | 24V - 45A                    | 1400             | 0 - 120 l/min       | 22 - 0 m           |

Elettropompe in acciaio inox AISI 316 monofase o trifase / *Stainless steel AISI 316 single-phase or three-phase electric pumps*

| Modello<br>Type  | Materiale<br>Material              | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|------------------|------------------------------------|------|------------------------------|------------------|---------------------|--------------------|
| EPH NEOS 3/4"    | Inox A316/S.S.A316                 | 0.22 | 230V - 50Hz                  | 2800             | 0 - 29 l/min        | 22 - 0 m           |
| EP NEOS 3/4"     | Inox AISI 316<br>S. Steel AISI 316 | 0.22 | 230V - 50Hz                  | 2800             | 0 - 29 l/min        | 22 - 0 m           |
|                  |                                    | 0.26 | 230/400V - 50Hz              | 2800             | 0 - 29 l/min        | 22 - 0 m           |
|                  |                                    | 0.25 | ADPE-ATEX 230/400V-50Hz      | 2800             | 0 - 29 l/min        | 22 - 0 m           |
| EP JUNIOR 1" 1/4 | Inox AISI 316<br>S. Steel AISI 316 | 0.45 | 230V - 50Hz                  | 2800             | 0 - 58 l/min        | 22 - 0 m           |
|                  |                                    | 0.56 | 230/400V - 50Hz              | 2800             | 0 - 58 l/min        | 22 - 0 m           |
|                  |                                    | 0.55 | ADPE-ATEX 230/400V-50Hz      | 2800             | 0 - 58 l/min        | 22 - 0 m           |
| EP SENIOR 1" 1/2 | Inox AISI 316<br>S. Steel AISI 316 | 1.1  | 230V - 50Hz                  | 1400             | 0 - 120 l/min       | 22 - 0 m           |
|                  |                                    | 1.1  | 230/400V - 50Hz              | 1400             | 0 - 120 l/min       | 22 - 0 m           |
|                  |                                    | 0.75 | ADPE-ATEX 230/400V-50Hz      | 1400             | 0 - 120 l/min       | 22 - 0 m           |
| EP MASTER 2"     | Inox AISI 316<br>S. Steel AISI 316 | 1.85 | 230V - 50Hz                  | 1400             | 0 - 230 l/min       | 30 - 0 m           |
|                  |                                    | 1.85 | 230/400V - 50Hz              | 1400             | 0 - 230 l/min       | 30 - 0 m           |
|                  |                                    | 1.5  | ADPE-ATEX 230/400V-50Hz      | 1400             | 0 - 230 l/min       | 30 - 0 m           |
| EP 60 Inox 2"    | Inox AISI 316<br>S. Steel AISI 316 | 4.0  | 230/400V - 50Hz              | 1400             | 0 - 350 l/min       | 35 - 0 m           |
|                  |                                    | 4.0  | ADPE-ATEX 230/400V-50Hz      | 1400             | 0 - 350 l/min       | 35 - 0 m           |
| EP 70 Inox       | Inox AISI 316<br>S. Steel AISI 316 | 5.5  | 400/690V - 50Hz              | 1400             | 0 - 500 l/min       | 40 - 0 m           |
|                  |                                    | 7.5  | 400/690V - 50Hz              | 1400             | 0 - 500 l/min       | 40 - 0 m           |
|                  |                                    | 5.5  | ADPE-ATEX 400/690V-50Hz      | 1400             | 0 - 500 l/min       | 40 - 0 m           |
|                  |                                    | 7.5  | ADPE-ATEX 400/690V-50Hz      | 1400             | 0 - 500 l/min       | 40 - 0 m           |
| EP 80 Inox       | Inox AISI 316<br>S. Steel AISI 316 | 15.0 | 400/690V - 50Hz              | 1400             | 0 - 900 l/min       | 55 - 0 m           |
|                  |                                    | 15.0 | ADPE-ATEX 400/690V-50Hz      | 1400             | 0 - 900 l/min       | 55 - 0 m           |

Elettropompe in acciaio inox AISI 316 a corrente continua / *Stainless steel AISI 316 direct current electric pumps*

| Modello<br>Type  | Materiale<br>Material              | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|------------------|------------------------------------|------|------------------------------|------------------|---------------------|--------------------|
| EP NEOS 3/4"     | Inox AISI 316<br>S. Steel AISI 316 | 0.33 | 12V - 26A                    | 2000             | 0 - 25 l/min        | 12 - 0 m           |
|                  |                                    | 0.33 | 24V - 14A                    | 2000             | 0 - 25 l/min        | 12 - 0 m           |
| EP NEOS 3/4" T   | Inox AISI 316<br>S. Steel AISI 316 | 0.45 | 12V - 36A                    | 3000             | 0 - 36 l/min        | 22 - 0 m           |
|                  |                                    | 0.45 | 24V - 22A                    | 3000             | 0 - 36 l/min        | 22 - 0 m           |
| EP JUNIOR 1" 1/4 | Inox AISI 316<br>S. Steel AISI 316 | 0.37 | 12V - 32A                    | 2000             | 0 - 43 l/min        | 10 - 0 m           |
|                  |                                    | 0.37 | 24V - 20A                    | 2000             | 0 - 43 l/min        | 10 - 0 m           |
| EP SENIOR 1" 1/2 | Inox AISI 316<br>S. Steel AISI 316 | 1.1  | 24V - 45A                    | 1400             | 0 - 120 l/min       | 22 - 0 m           |
| EP MASTER 2"     | Inox AISI 316<br>S. Steel AISI 316 | 1.5  | 24V - 105A                   | 1400             | 0 - 230 l/min       | 30 - 0 m           |

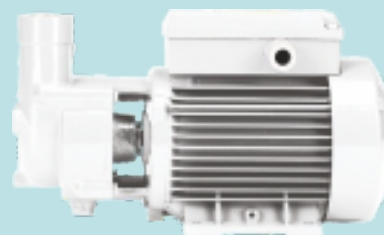
Elettropompe in acciaio inox AISI 316 a magneti permanenti / *Stainless steel AISI 316 electric pumps with permanent magnets*

| Modello<br>Type     | Materiale<br>Material              | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|---------------------|------------------------------------|------|------------------------------|------------------|---------------------|--------------------|
| EP NEOS 3/4" MP     | Inox AISI 316<br>S. Steel AISI 316 | 0.33 | 12V - 16A                    | 2800             | 0 - 29 l/min        | 22 - 0 m           |
|                     |                                    | 0.33 | 24V - 8A                     | 2800             | 0 - 29 l/min        | 22 - 0 m           |
| EP JUNIOR 1" 1/4 MP | Inox AISI 316<br>S. Steel AISI 316 | 0.45 | 12V - 30A                    | 2800             | 0 - 58 l/min        | 22 - 0 m           |
|                     |                                    | 0.45 | 24V - 15A                    | 2800             | 0 - 58 l/min        | 22 - 0 m           |
| EP SENIOR 1" 1/2 MP | Inox AISI 316<br>S. Steel AISI 316 | 1.1  | 24V - 45A                    | 1400             | 0 - 120 l/min       | 22 - 0 m           |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / *Available on request with other voltages at 50-60Hz*

Elettropompe centrifughe autoadescanti in bronzo ad anello liquido ad alta prevalenza largamente utilizzate nel settore nautico per i servizi di svuotamento di sentine, antincendio, lavaggio catene, travaso di gasolio, ecc.

*High pressure liquid-ring centrifugal selfpriming electric pumps made of bronze. These pumps are widely used in the nautical sector to empty bilges, to supply anti-fire equipment, to wash chains and for diesel-oil transfer.*

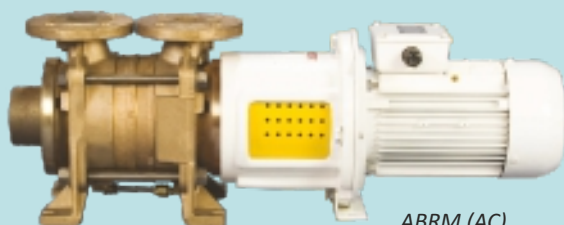


| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| BAHP 80         | Bronzo<br>Bronze      | 0.45 | 230V - 50Hz                  | 2800             | 0 - 50 l/min        | 35 - 0 m           |
|                 |                       | 0.45 | 230/400V - 50Hz              | 2800             | 0 - 50 l/min        | 35 - 0 m           |
| BAHP 90         | Bronzo<br>Bronze      | 0.60 | 24V - 30A                    | 2800             | 0 - 50 l/min        | 36 - 0 m           |
|                 |                       | 0.55 | 230V - 50Hz                  | 2800             | 0 - 55 l/min        | 42 - 0 m           |
| BAHP 91         | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 2800             | 0 - 60 l/min        | 53 - 0 m           |
|                 |                       | 0.75 | 230/400V - 50Hz              | 2800             | 0 - 60 l/min        | 53 - 0 m           |

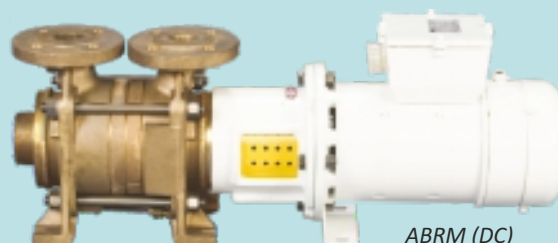
\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

Elettropompe autoadescanti in bronzo a giranti stellari multistadio ad alta e altissima prevalenza largamente utilizzate nel settore nautico per i servizi di svuotamento di sentine, antincendio, lavaggio catene, travaso di gasolio, ecc.

*Multi-stage high pressure selfpriming electric pumps made of bronze fitted with radial impellers. These electric pumps are widely used in the nautical sector to empty bilges, to supply anti-fire equipment, to wash chains and for diesel-oil transfer.*



ABRM (AC)



ABRM (DC)

| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| ABRM 32/1       | Bronzo<br>Bronze      | 1.1  | 24V                          | 1400             | 60 - 160 l/min      | 25 - 0 m           |
|                 |                       | 1.1  | 230V - 50Hz                  | 1400             | 60 - 160 l/min      | 25 - 0 m           |
|                 |                       | 1.1  | 230/400V - 50Hz              | 1400             | 60 - 160 l/min      | 25 - 0 m           |
| ABRM 32/2       | Bronzo<br>Bronze      | 1.5  | 24V                          | 1400             | 60 - 160 l/min      | 50 - 0 m           |
|                 |                       | 1.8  | 230V - 50Hz                  | 1400             | 60 - 160 l/min      | 50 - 0 m           |
|                 |                       | 1.8  | 230/400V - 50Hz              | 1400             | 60 - 160 l/min      | 50 - 0 m           |
| ABRM 32/3       | Bronzo<br>Bronze      | 3.0  | 230V - 50Hz                  | 1400             | 60 - 160 l/min      | 78 - 0 m           |
|                 |                       | 3.0  | 230/400V - 50Hz              | 1400             | 60 - 160 l/min      | 78 - 0 m           |
| ABRM 40/1       | Bronzo<br>Bronze      | 1.5  | 24V                          | 1400             | 100 - 220 l/min     | 35 - 0 m           |
|                 |                       | 2.2  | 230V - 50Hz                  | 1400             | 100 - 220 l/min     | 35 - 0 m           |
|                 |                       | 2.2  | 230/400V - 50Hz              | 1400             | 100 - 220 l/min     | 35 - 0 m           |
| ABRM 40/2       | Bronzo<br>Bronze      | 4.0  | 230V - 50Hz                  | 1400             | 100 - 220 l/min     | 73 - 0 m           |
|                 |                       | 4.0  | 230/400V - 50Hz              | 1400             | 100 - 220 l/min     | 73 - 0 m           |
| ABRM 50/1       | Bronzo / Bronze       | 4.0  | 230/400V - 50Hz              | 1400             | 175 - 400 l/min     | 44 - 0 m           |
| ABRM 50/2       | Bronzo / Bronze       | 9.2  | 230/400V - 50Hz              | 1400             | 175 - 400 l/min     | 81 - 0 m           |
| ABRM 65/1       | Bronzo / Bronze       | 7.5  | 230/400V - 50Hz              | 1400             | 267 - 600 l/min     | 43 - 0 m           |
| ABRM 65/2       | Bronzo / Bronze       | 15.0 | 230/400V - 50Hz              | 1400             | 267 - 600 l/min     | 85 - 0 m           |
| ABRM 65/3       | Bronzo / Bronze       | 22.0 | 230/400V - 50Hz              | 1400             | 267 - 600 l/min     | 128 - 0 m          |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz



Elettropompe centrifughe autoadescanti tipo Jet  
*Centrifugal selfpriming electric pumps Jet type*

Elettropompe centrifughe autoadescanti tipo Jet a girante chiusa dalla elevata capacità di aspirazione. Le serie inox IJ e IJMG sono idonee per il trasferimento di acque dolci; la serie BJ con corpo in bronzo è idonea al trasferimento di acqua dolce e di mare.

*Selfpriming centrifugal electric pumps, Jet type, with closed impeller featuring a high suction capacity. Inox models IJ and IJMG are suitable for fresh water; BJ models, with bronze body, are suitable for fresh and sea water.*



IJ

BJ 3

| Modello<br>Type | Materiale<br>Material   | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-------------------------|------|------------------------------|------------------|---------------------|--------------------|
| IJ S            | Inox<br>Stainless Steel | 0.35 | 12V - 33A                    | 2200             | 10 - 50 l/min       | 25 - 10 m          |
|                 |                         | 0.35 | 24V - 16A                    | 2600             | 10 - 50 l/min       | 27 - 10 m          |
|                 |                         | 0.6  | 230V - 50Hz                  | 2800             | 10 - 50 l/min       | 38 - 19 m          |
|                 |                         | 0.6  | 230/400V - 50Hz              | 2800             | 10 - 50 l/min       | 38 - 19 m          |
| IJ              | Inox<br>Stainless Steel | 0.52 | 12V - 40A                    | 2400             | 10 - 40 l/min       | 26 - 14 m          |
|                 |                         | 0.6  | 24V - 28A                    | 2700             | 10 - 40 l/min       | 34 - 18 m          |
|                 |                         | 0.7  | 230V - 50Hz                  | 2800             | 10 - 50 l/min       | 42 - 20 m          |
|                 |                         | 0.7  | 230/400V - 50Hz              | 2800             | 10 - 50 l/min       | 42 - 20 m          |
| IJ MG           | Inox<br>Stainless Steel | 0.75 | 24V - 40A                    | 2800             | 10 - 80 l/min       | 48 - 12 m          |
|                 |                         | 1.0  | 230V - 50Hz                  | 2800             | 10 - 90 l/min       | 58 - 15 m          |
|                 |                         | 1.0  | 230/400V - 50Hz              | 2800             | 10 - 90 l/min       | 58 - 15 m          |
| BJ 3            | Bronzo<br>Bronze        | 0.52 | 12V - 40A                    | 2200             | 3.5 - 42 l/min      | 28 - 3 m           |
|                 |                         | 0.6  | 24V - 28A                    | 2600             | 3.5 - 50 l/min      | 34 - 3 m           |
|                 |                         | 0.55 | 230V - 50Hz                  | 2800             | 4.1 - 50 l/min      | 49 - 24 m          |
|                 |                         | 0.55 | 230/400V - 50Hz              | 2800             | 4.1 - 50 l/min      | 49 - 24 m          |
| BJ 4            | Bronzo<br>Bronze        | 0.75 | 24V - 45A                    | 2800             | 4.1 - 66.6 l/min    | 40 - 21 m          |
|                 |                         | 0.75 | 230V - 50Hz                  | 2800             | 4.1 - 66.6 l/min    | 41 - 21 m          |
|                 |                         | 0.75 | 230/400V - 50Hz              | 2800             | 4.1 - 66.6 l/min    | 41 - 21 m          |
| BJ 5            | Bronzo<br>Bronze        | 1.1  | 24V - 60A                    | 2800             | 8.3 - 100 l/min     | 48.5 - 28 m        |
|                 |                         | 1.1  | 230V - 50Hz                  | 2800             | 8.3 - 100 l/min     | 48.5 - 28 m        |
|                 |                         | 1.1  | 230/400V - 50Hz              | 2800             | 8.3 - 100 l/min     | 48.5 - 28 m        |
| BJ 6            | Bronzo<br>Bronze        | 1.5  | 230V - 50Hz                  | 2800             | 8.3 - 158 l/min     | 47 - 23 m          |
|                 |                         | 1.5  | 230/400V - 50Hz              | 2800             | 8.3 - 158 l/min     | 51.5 - 27 m        |
| BJ 7            | Bronzo / Bronze         | 2.2  | 230/400V - 50Hz              | 2800             | 8.3 - 158 l/min     | 59 - 34 m          |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

Elettropompe periferiche  
*Peripheral electric pumps*

Elettropompe periferiche in bronzo in grado di sviluppare pressioni elevate in rapporto a portate limitate, utilizzate nel settore nautico per circolazione e sollevamento acqua dolce e marina in pressione, lavaggio ponti e catene.

*Peripheral bronze electric pumps able to develop high pressure as compared to the limited flow rate, used on nautical sector to circulation and deliver pressurised fresh and sea water, to wash decks and chains.*



BP 60

BPL 70

| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| BP 60           | Bronzo<br>Bronze      | 0.44 | 12V - 36A                    | 3000             | 3 - 33 l/min        | 38 - 5 m           |
|                 |                       | 0.48 | 24V - 22A                    | 3000             | 3 - 35 l/min        | 40 - 5 m           |
| BPL 61          | Bronzo<br>Bronze      | 0.33 | 230V - 50Hz                  | 2800             | 6.3 - 40 l/min      | 38 - 5 m           |
|                 |                       | 0.33 | 230/400V - 50Hz              | 2800             | 6.3 - 40 l/min      | 38 - 5 m           |
| BPL 70          | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 2800             | 8 - 60 l/min        | 59 - 10 m          |
|                 |                       | 0.75 | 230/400V - 50Hz              | 2800             | 8 - 60 l/min        | 59 - 10 m          |
| BPL 80          | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 2800             | 6.3 - 31.5 l/min    | 90 - 20 m          |
|                 |                       | 0.75 | 230/400V - 50Hz              | 2800             | 6.3 - 31.5 l/min    | 90 - 20 m          |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

Pompe centrifughe autoadescanti in bronzo (adescamento lento) largamente utilizzate nel settore nautico per i servizi di svuotamento di sentine, antincendio, lavaggio catene, travaso di gasolio, ecc. La conformazione della girante permette il passaggio di liquido anche con piccoli corpi solidi in sospensione.

*Centrifugal selfpriming pumps made of bronze (slow priming). These pumps are widely used in the nautical sector to empty bilges, to supply anti-fire equipment, to wash chains and for diesel oil transfer. The impeller shape allows the transferring of liquids with small solid parts in suspension.*



AML 50 DILAM

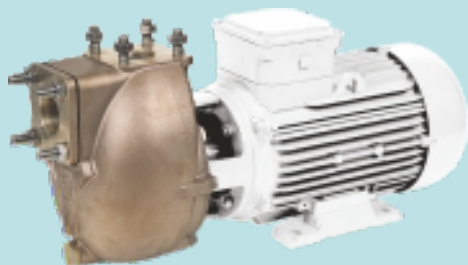
AML 50 CON BASE BARELLABILE\*  
AML 50 WITH STRETCHABLE BASE\*Motopompe diesel centrifughe autoadescanti / *Centrifugal selfpriming diesel motor pumps*

| Modello<br>Type           | Materiale<br>Material | kW   | Alimentazione<br>Feeding | Avviamento<br>Starting | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|---------------------------|-----------------------|------|--------------------------|------------------------|------------------|---------------------|--------------------|
| AML 40 DILAM              | Bronzo<br>Bronze      | 5.5  | Diesel                   | Manuale<br>Manual      | 3000÷3600        | 117 - 700 l/min     | 42.2 - 7 m         |
| AML 40 DILAE              | Bronzo<br>Bronze      | 5.5  | Diesel                   | Elettrico<br>Electric  | 3000÷3600        | 117 - 700 l/min     | 42.2 - 7 m         |
| AML B G2TMK-A<br>DILAM    | Bronzo<br>Bronze      | 4.7  | Diesel                   | Manuale<br>Manual      | 2600÷3600        | 70 - 375 l/min      | 48.2 - 25.9 m      |
| AML B G2TMK-A<br>DILAE    | Bronzo<br>Bronze      | 4.7  | Diesel                   | Elettrico<br>Electric  | 2600÷3600        | 70 - 375 l/min      | 48.2 - 25.9 m      |
| AML 50 DILAM              | Bronzo<br>Bronze      | 7.5  | Diesel                   | Manuale<br>Manual      | 3000÷3600        | 192 - 766 l/min     | 53.7 - 24 m        |
| AML 50 DILAE              | Bronzo<br>Bronze      | 7.5  | Diesel                   | Elettrico<br>Electric  | 3000÷3600        | 192 - 766 l/min     | 53.7 - 24 m        |
| AML 65 DILAE              | Bronzo<br>Bronze      | 15.5 | Diesel                   | Elettrico<br>Electric  | 1500÷3000        | 380 - 1466 l/min    | 57.6 - 22 m        |
| AML B B3ZPM 9LD<br>DILAE  | Bronzo<br>Bronze      | 17.7 | Diesel                   | Elettrico<br>Electric  | 1500÷3000        | 160 - 1230 l/min    | 68 - 21 m          |
| AML B B3ZPM 11LD<br>DILAE | Bronzo<br>Bronze      | 26.3 | Diesel                   | Elettrico<br>Electric  | 1500÷3000        | 180 - 1250 l/min    | 80 - 47 m          |

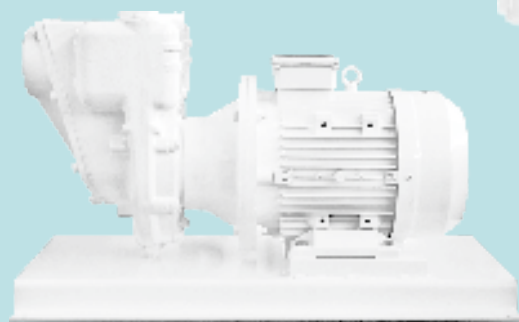
Motopompe a benzina centrifughe autoadescanti / *Centrifugal selfpriming gasoline motor pumps*

| Modello<br>Type        | Materiale<br>Material | kW  | Alimentazione<br>Feeding | Avviamento<br>Starting | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|------------------------|-----------------------|-----|--------------------------|------------------------|------------------|---------------------|--------------------|
| AML 40 BELAM           | Bronzo<br>Bronze      | 5.5 | Benzina<br>Gasoline      | Manuale<br>Manual      | 3000÷3600        | 117 - 700 l/min     | 42.2 - 7 m         |
| AML 40 BELAE           | Bronzo<br>Bronze      | 5.5 | Benzina<br>Gasoline      | Elettrico<br>Electric  | 3000÷3600        | 117 - 700 l/min     | 42.2 - 7 m         |
| AML B G2TMK-A<br>BELAM | Bronzo<br>Bronze      | 4.7 | Benzina<br>Gasoline      | Manuale<br>Manual      | 2600÷3600        | 70 - 375 l/min      | 48.2 - 25.9 m      |
| AML B G2TMK-A<br>BELAE | Bronzo<br>Bronze      | 4.7 | Benzina<br>Gasoline      | Elettrico<br>Electric  | 2600÷3600        | 70 - 375 l/min      | 48.2 - 25.9 m      |
| AML 50 BELAM           | Bronzo<br>Bronze      | 7.5 | Benzina<br>Gasoline      | Manuale<br>Manual      | 3000÷3600        | 192 - 766 l/min     | 53.7 - 24 m        |
| AML 50 BELAE           | Bronzo<br>Bronze      | 7.5 | Benzina<br>Gasoline      | Elettrico<br>Electric  | 3000÷3600        | 192 - 766 l/min     | 53.7 - 24 m        |

\* Accessorio disponibile a richiesta per AML 40 e AML 50 / *Accessory available on request for AML 40 and AML 50*



AML 50



AML B G3



AML 50/125

Elettropompe centrifughe autoadescanti / Centrifugal selfpriming electric pumps

| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| AML 40/110 B    | Bronzo<br>Bronze      | 0.55 | 230V - 50Hz                  | 2900             | 60 - 300 l/min      | 12.9 - 3.4 m       |
|                 |                       | 0.55 | 230/400V - 50Hz              | 2900             | 60 - 300 l/min      | 12.9 - 3.4 m       |
| AML 40/110      | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 2900             | 60 - 300 l/min      | 15.4 - 5.6 m       |
|                 |                       | 0.75 | 230/400V - 50Hz              | 2900             | 60 - 300 l/min      | 15.4 - 5.6 m       |
| AML 40 R1       | Bronzo<br>Bronze      | 1.5  | 24V                          | 2900             | 87 - 500 l/min      | 22.0 - 3.0 m       |
|                 |                       | 1.5  | 230V - 50Hz                  | 2900             | 87 - 500 l/min      | 22.0 - 3.0 m       |
|                 |                       | 1.5  | 230/400V - 50Hz              | 2900             | 87 - 500 l/min      | 22.0 - 3.0 m       |
| AML 40 R2       | Bronzo<br>Bronze      | 2.2  | 24V                          | 2900             | 108 - 608 l/min     | 23.5 - 4.0 m       |
|                 |                       | 2.2  | 230V - 50Hz                  | 2900             | 108 - 608 l/min     | 23.5 - 4.0 m       |
|                 |                       | 2.2  | 230/400V - 50Hz              | 2900             | 108 - 608 l/min     | 23.5 - 4.0 m       |
| AML 40          | Bronzo<br>Bronze      | 3.0  | 230V - 50Hz                  | 2900             | 87 - 675 l/min      | 27.0 - 5.5 m       |
|                 |                       | 3.0  | 230/400V - 50Hz              | 2900             | 87 - 675 l/min      | 27.0 - 5.5 m       |
| AML 50/125 C    | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 2900             | 100 - 450 l/min     | 12.8 - 3.3 m       |
|                 |                       | 0.75 | 230/400V - 50Hz              | 2900             | 100 - 450 l/min     | 12.8 - 3.3 m       |
| AML 50/125 B    | Bronzo<br>Bronze      | 1.1  | 24V - 50A                    | 2900             | 100 - 500 l/min     | 15.5 - 4.0 m       |
|                 |                       | 1.1  | 230V - 50Hz                  | 2900             | 100 - 500 l/min     | 15.5 - 4.0 m       |
|                 |                       | 1.1  | 230/400V - 50Hz              | 2900             | 100 - 500 l/min     | 15.5 - 4.0 m       |
| AML 50/125      | Bronzo<br>Bronze      | 1.5  | 230V - 50Hz                  | 2900             | 100 - 550 l/min     | 19.5 - 5.0 m       |
|                 |                       | 1.5  | 230/400V - 50Hz              | 2900             | 100 - 550 l/min     | 19.5 - 5.0 m       |
| AML 50 R3       | Bronzo<br>Bronze      | 3    | 230V - 50Hz                  | 2900             | 75 - 592 l/min      | 30 - 17 m          |
|                 |                       | 3    | 230/400V - 50Hz              | 2900             | 75 - 592 l/min      | 30 - 17 m          |
| AML 50 R4       | Bronzo<br>Bronze      | 4    | 230V - 50Hz                  | 2900             | 42 - 708 l/min      | 34 - 17 m          |
|                 |                       | 4    | 230/400V - 50Hz              | 2900             | 42 - 708 l/min      | 34 - 17 m          |
| AML 50          | Bronzo<br>Bronze      | 5.5  | 230V - 50Hz                  | 2900             | 250 - 835 l/min     | 35 - 20 m          |
|                 |                       | 5.5  | 400/690V - 50Hz              | 2900             | 250 - 835 l/min     | 35 - 20 m          |
| AML 65/150 C    | Bronzo / Bronze       | 2.2  | 230/400V - 50Hz              | 2900             | 250 - 800 l/min     | 17.5 - 6.5 m       |
| AML 65/150 B    | Bronzo / Bronze       | 3    | 230/400V - 50Hz              | 2900             | 250 - 900 l/min     | 21.5 - 6.5 m       |
| AML 65/150      | Bronzo / Bronze       | 4    | 400/690V - 50Hz              | 2900             | 250 - 950 l/min     | 29.0 - 11.0 m      |
| AML 65          | Bronzo<br>Bronze      | 11   | 400/690V - 50Hz              | 2900             | 166 - 1467 l/min    | 46 - 22 m          |
|                 |                       | 15   | 400/690V - 50Hz              | 2900             | 300 - 1467 l/min    | 52 - 28 m          |
|                 |                       | 18.5 | 400/690V - 50Hz              | 2900             | 350 - 1250 l/min    | 53 - 36 m          |
| AML 80/170 B    | Bronzo / Bronze       | 5.5  | 400/690V - 50Hz              | 2900             | 250 - 1100 l/min    | 27.3 - 13.7 m      |
| AML 80/170      | Bronzo / Bronze       | 7.5  | 400/690V - 50Hz              | 2900             | 250 - 1100 l/min    | 33.6 - 20.4 m      |
| AML B G3/7.5    | Bronzo / Bronze       | 7.5  | 400/690V - 50Hz              | 2900             | 175 - 875 l/min     | 44 - 25 m          |
| AML B G3/9.2    | Bronzo / Bronze       | 9.2  | 400/690V - 50Hz              | 2900             | 20 - 1060 l/min     | 50 - 19 m          |
| AML B G3/11     | Bronzo / Bronze       | 11   | 400/690V - 50Hz              | 2900             | 20 - 1120 l/min     | 55 - 19 m          |
| AML B B3ZPM/15  | Bronzo / Bronze       | 15   | 400/690V - 50Hz              | 2900             | 10 - 1225 l/min     | 64 - 20 m          |
| AML B B3ZPM/18  | Bronzo / Bronze       | 18.5 | 400/690V - 50Hz              | 2900             | 10 - 1225 l/min     | 71 - 21 m          |
| AML B B3ZPM/22  | Bronzo / Bronze       | 22   | 400/690V - 50Hz              | 2900             | 175 - 1225 l/min    | 76 - 45 m          |
| AML B B4ZPM/22  | Bronzo / Bronze       | 22   | 400/690V - 50Hz              | 2900             | 300 - 1700 l/min    | 63 - 30 m          |
| AML B B4ZPM/30  | Bronzo / Bronze       | 30   | 400/690V - 50Hz              | 2900             | 320 - 1700 l/min    | 64 - 35 m          |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

Elettropompe centrifughe non autoadescenti in bronzo largamente utilizzate nel settore nautico per i servizi di circolazione liquidi, impianti di condizionamento e raffreddamento.

*Centrifugal not selfpriming electric pumps made of bronze. These pumps are widely used in the nautical sector for liquid circulation, air conditioning, cooling.*



LCB (motor AC)



LCG (motor DC)

| Modello **<br>Type ** | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| LCB 16/1E             | Bronzo<br>Bronze      | 0.15 | 12V - 10A                    | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
|                       |                       | 0.15 | 24V - 4.5A                   | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
|                       |                       | 0.15 | 230V - 50Hz                  | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
|                       |                       | 0.15 | 230/400V - 50Hz              | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
| LCB 20E               | Bronzo<br>Bronze      | 0.37 | 12V - 18A                    | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
|                       |                       | 0.37 | 24V - 8.5A                   | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
|                       |                       | 0.37 | 230V - 50Hz                  | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
|                       |                       | 0.37 | 230/400V - 50Hz              | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
| LCB 22/1E             | Bronzo<br>Bronze      | 0.45 | 230V - 50Hz                  | 2800             | 25 - 110 l/min      | 18 - 7.5 m         |
|                       |                       | 0.45 | 230/400V - 50Hz              | 2800             | 25 - 110 l/min      | 18 - 7.5 m         |
| LCB 22E               | Bronzo<br>Bronze      | 0.55 | 24V - 26A                    | 2800             | 25 - 110 l/min      | 21 - 10 m          |
|                       |                       | 0.55 | 230V - 50Hz                  | 2800             | 25 - 110 l/min      | 21 - 10 m          |
|                       |                       | 0.55 | 230/400V - 50Hz              | 2800             | 25 - 110 l/min      | 21 - 10 m          |
| LCB 41/1E             | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 2800             | 60 - 250 l/min      | 19 - 13 m          |
|                       |                       | 0.75 | 230/400V - 50Hz              | 2800             | 60 - 250 l/min      | 19 - 13 m          |
| LCB 41E               | Bronzo<br>Bronze      | 1.1  | 230V - 50Hz                  | 2800             | 60 - 250 l/min      | 23.5 - 15.5 m      |
|                       |                       | 1.1  | 230/400V - 50Hz              | 2800             | 60 - 250 l/min      | 23.5 - 15.5 m      |
| LCB 25/12BE           | Bronzo<br>Bronze      | 0.55 | 230V - 50Hz                  | 2800             | 40 - 200 l/min      | 20 - 11 m          |
|                       |                       | 0.55 | 230/400V - 50Hz              | 2800             | 40 - 200 l/min      | 20 - 11 m          |
| LCB 25/12AE           | Bronzo<br>Bronze      | 0.75 | 230V - 50Hz                  | 2800             | 40 - 200 l/min      | 23.5 - 15.2 m      |
|                       |                       | 0.75 | 230/400V - 50Hz              | 2800             | 40 - 200 l/min      | 23.5 - 15.2 m      |
| LCB 25/160BE          | Bronzo<br>Bronze      | 1.1  | 230V - 50Hz                  | 2800             | 50 - 160 l/min      | 31 - 23 m          |
|                       |                       | 1.1  | 230/400V - 50Hz              | 2800             | 50 - 160 l/min      | 31 - 23 m          |
| LCB 25/160AE          | Bronzo<br>Bronze      | 1.5  | 230V - 50Hz                  | 2800             | 50 - 200 l/min      | 36.5 - 26 m        |
|                       |                       | 1.5  | 230/400V - 50Hz              | 2800             | 50 - 200 l/min      | 36.5 - 26 m        |
| LCG 16/1E             | Ghisa<br>Cast Iron    | 0.15 | 12V - 10A                    | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
|                       |                       | 0.15 | 24V - 4.5A                   | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
|                       |                       | 0.15 | 230V - 50Hz                  | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
|                       |                       | 0.15 | 230/400V - 50Hz              | 2800             | 10 - 40 l/min       | 5 - 3.6 m          |
| LCG 20E               | Ghisa<br>Cast Iron    | 0.37 | 12V - 18A                    | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
|                       |                       | 0.37 | 24V - 8.5A                   | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
|                       |                       | 0.37 | 230V - 50Hz                  | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
|                       |                       | 0.37 | 230/400V - 50Hz              | 2800             | 25 - 80 l/min       | 12.3 - 9 m         |
| LCG 22/1E             | Ghisa<br>Cast Iron    | 0.45 | 230V - 50Hz                  | 2800             | 25 - 110 l/min      | 18 - 7.5 m         |
|                       |                       | 0.45 | 230/400V - 50Hz              | 2800             | 25 - 110 l/min      | 18 - 7.5 m         |
| LCG 22E               | Ghisa<br>Cast Iron    | 0.55 | 24V - 26A                    | 2800             | 25 - 110 l/min      | 21 - 10 m          |
|                       |                       | 0.55 | 230V - 50Hz                  | 2800             | 25 - 110 l/min      | 21 - 10 m          |
|                       |                       | 0.55 | 230/400V - 50Hz              | 2800             | 25 - 110 l/min      | 21 - 10 m          |
| LCG 41/1E             | Ghisa<br>Cast Iron    | 0.75 | 230V - 50Hz                  | 2800             | 60 - 250 l/min      | 19 - 13 m          |
|                       |                       | 0.75 | 230/400V - 50Hz              | 2800             | 60 - 250 l/min      | 19 - 13 m          |
| LCG 41E               | Ghisa<br>Cast Iron    | 1.1  | 230V - 50Hz                  | 2800             | 60 - 250 l/min      | 23.5 - 15.5 m      |
|                       |                       | 1.1  | 230/400V - 50Hz              | 2800             | 60 - 250 l/min      | 23.5 - 15.5 m      |
| LCG 25/12BE           | Ghisa<br>Cast Iron    | 0.55 | 230V - 50Hz                  | 2800             | 40 - 200 l/min      | 20 - 11 m          |
|                       |                       | 0.55 | 230/400V - 50Hz              | 2800             | 40 - 200 l/min      | 20 - 11 m          |
| LCG 25/12AE           | Ghisa<br>Cast Iron    | 0.75 | 230V - 50Hz                  | 2800             | 40 - 200 l/min      | 23.5 - 15.2 m      |
|                       |                       | 0.75 | 230/400V - 50Hz              | 2800             | 40 - 200 l/min      | 23.5 - 15.2 m      |
| LCG 25/160BE          | Ghisa<br>Cast Iron    | 1.1  | 230V - 50Hz                  | 2800             | 50 - 160 l/min      | 31 - 23 m          |
|                       |                       | 1.1  | 230/400V - 50Hz              | 2800             | 50 - 160 l/min      | 31 - 23 m          |
| LCG 25/160AE          | Ghisa<br>Cast Iron    | 1.5  | 230V - 50Hz                  | 2800             | 50 - 200 l/min      | 36.5 - 26 m        |
|                       |                       | 1.5  | 230/400V - 50Hz              | 2800             | 50 - 200 l/min      | 36.5 - 26 m        |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* Disponibili a richiesta altri modelli con diverse portate / Available on request other models with different capacities

Elettropompe centrifughe non autoadescanti in bronzo largamente utilizzate nel settore nautico per i servizi di circolazione liquidi, impianti di condizionamento e raffreddamento.

*Centrifugal not selfpriming electric pumps made of bronze. These pumps are widely used in the nautical sector for liquid circulation, air conditioning, cooling.*



LCB-F

| Modello **<br>Type ** | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| LCB-F32/125AE         | Bronzo                | 1.1  | 230V - 50Hz                  | 2800             | 110 - 250 l/min     | 23 - 19 m          |
|                       | Bronze                | 1.1  | 230/400V - 50Hz              | 2800             | 110 - 250 l/min     | 23 - 19 m          |
| LCB-F40/125FE         | Bronzo                | 1.1  | 230V - 50Hz                  | 2800             | 250 - 550 l/min     | 14 - 6 m           |
|                       | Bronze                | 1.1  | 230/400V - 50Hz              | 2800             | 250 - 550 l/min     | 14 - 6 m           |
| LCB-F40/125AE         | Bronzo/Bronze         | 2.2  | 230/400V - 50Hz              | 2800             | 250 - 700 l/min     | 22 - 11.5 m        |
| LCB-F40/160AE         | Bronzo/Bronze         | 4.0  | 400/690V - 50Hz              | 2800             | 250 - 800 l/min     | 37 - 17 m          |
| LCB-F50/125AE         | Bronzo/Bronze         | 4.0  | 400/690V - 50Hz              | 2800             | 500 - 1300 l/min    | 24 - 10 m          |
| LCB-F50/160AE         | Bronzo/Bronze         | 7.5  | 400/690V - 50Hz              | 2800             | 500 - 1350 l/min    | 38.5 - 19 m        |
| LCB-F65/160CE         | Bronzo/Bronze         | 9.2  | 400/690V - 50Hz              | 2800             | 800 - 2200 l/min    | 28.1 - 17.7 m      |
| LCB-F80/160BE         | Bronzo/Bronze         | 15.0 | 400/690V - 50Hz              | 2800             | 1250 - 3200 l/min   | 34.8 - 22.4 m      |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* Disponibili a richiesta altri modelli con diverse portate / Available on request other models with different capacities

Elettropompe autoadescanti in bronzo ad anello liquido laterale, girante stellare con tritratore integrato . Queste elettropompe sono particolarmente indicate nel settore nautico per gli impianti di trattamento delle acque di scarico e lo svuotamento delle casse contenenti acque nere (anche in presenza di piccoli corpi solidi organici in sospensione).

*Bronze self-priming electric pump with liquid side ring, star impeller with integrated grinder widely used in the nautical sector for sewage water treatment plants and to emptying black water waste tanks (even in the presence of small solid organic suspended solids).*



STRM 75 (motor AC)



STRM 75 (motor DC 24V)

| Modello<br>Type | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata max<br>Capacity max | Prevalenza max<br>Head max |
|-----------------|-----------------------|------|------------------------------|------------------|-----------------------------|----------------------------|
| STRM 75         | Bronzo<br>Bronze      | 0.75 | 24V - 28A                    | 1400             | 96 l/min                    | 18 m                       |
|                 |                       | 0.75 | 230V - 50Hz - 5A             | 1400             | 96 l/min                    | 18 m                       |
|                 |                       | 0.75 | 230/400V - 50Hz - 2÷3.5 A    | 1400             | 96 l/min                    | 18 m                       |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

**Serie RUBBER - girante in Neoprene (CR):** Pompe volumetriche rotative Inox AISI 316 autoadescanti a girante flessibile largamente utilizzate nel settore nautico per il trasferimento e lo svuotamento sulle imbarcazioni di: casse rifiuti, acque nere degli scarichi dei wc, liquidi particolarmente viscosi e con corpi solidi in sospensione.

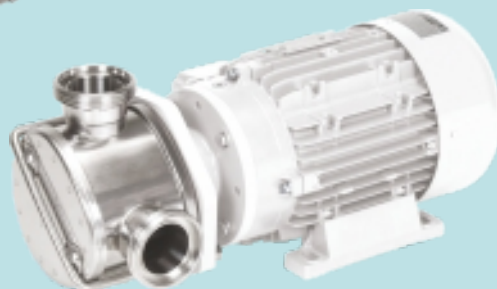
**RUBBER Type - impeller in Neoprene rubber (CR):** *Stainless steel AISI 316 volumetric rotary pumps with flexible impeller, selfpriming and reversible, widely used in the nautical sector on boats for transfer and emptying waste tanks, toilet sewage, viscous fluids also with solid parts in suspension.*

**Serie RUBBER OIL - girante in Nitrile (NBR):** Pompe volumetriche rotative Inox AISI 316 autoadescanti a girante flessibile largamente utilizzate nel settore nautico per il trasferimento e lo svuotamento di liquidi particolarmente viscosi, oleosi anche con corpi solidi in sospensione come olii lubrificanti, olii esausti, olio combustibile, gasolio, ecc.

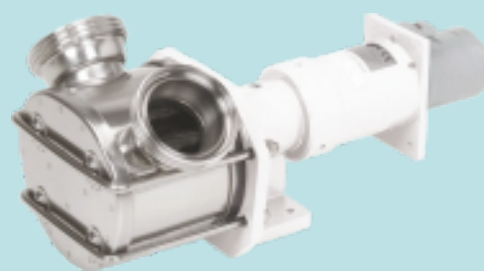
**RUBBER OIL Type - impeller in Nitrile (NBR):** *Stainless steel AISI 316 volumetric rotary pumps with flexible impeller, selfpriming and reversible, widely used in the nautical sector for transfer and emptying viscous and oily liquids also with solid parts in suspension, like lubricating oils, exhausted oils, fuel oil, diesel oil, etc.*



EP MIDEX 1" 1/4 (24V)



EP MAJOR 2"



MID MAXI 3"

| RUBBER (CR)        | RUBBER OIL (NBR)    | Materiale Material             | kW   | Alimentazione * Feeding * | Giri/min. RPM          | Portata Capacity               | Prevalenza Head      |
|--------------------|---------------------|--------------------------------|------|---------------------------|------------------------|--------------------------------|----------------------|
| EP MINI 3/4" CR    | EP MINI 3/4" NBR    | Inox AISI 316<br>S.S. AISI 316 | 0.37 | 230V - 50Hz               | 900                    | 0 - 16 l/min                   | 24 - 0 m             |
|                    |                     |                                | 0.37 | 230/400V - 50Hz           | 900                    | 0 - 16 l/min                   | 24 - 0 m             |
|                    |                     |                                | 0.3  | 12V - 30A                 | 1400                   | 0 - 27 l/min                   | 32 - 0 m             |
|                    |                     |                                | 0.3  | 24V - 16A                 | 1400                   | 0 - 27 l/min                   | 32 - 0 m             |
|                    |                     |                                | 0.56 | 230V - 50Hz               | 1400                   | 0 - 27 l/min                   | 32 - 0 m             |
|                    |                     |                                | 0.56 | 230/400V - 50Hz           | 1400                   | 0 - 27 l/min                   | 32 - 0 m             |
| EP MIDEX 1"1/4 CR  | EP MIDEX 1"1/4 NBR  | Inox AISI 316<br>S.S. AISI 316 | 0.55 | 12V - 55A                 | 1100                   | 0 - 80 l/min                   | 28 - 0 m             |
|                    |                     |                                | 0.55 | 24V - 28A                 | 1100                   | 0 - 80 l/min                   | 28 - 0 m             |
|                    |                     |                                | 0.56 | 230V - 50Hz               | 900                    | 0 - 64 l/min                   | 27 - 0 m             |
|                    |                     |                                | 0.56 | 230/400V - 50Hz           | 900                    | 0 - 64 l/min                   | 27 - 0 m             |
|                    |                     |                                | 0.75 | 230V - 50Hz               | 1400                   | 0 - 96 l/min                   | 30 - 0 m             |
|                    |                     |                                | 0.75 | 230/400V - 50Hz           | 1400                   | 0 - 96 l/min                   | 30 - 0 m             |
| EP MINOR 1"1/2 CR  | EP MINOR 1"1/2 NBR  | Inox AISI 316<br>S.S. AISI 316 | 1.5  | 230V - 50Hz               | 900                    | 0 - 115 l/min                  | 27 - 0 m             |
|                    |                     |                                | 1.5  | 230/400V - 50Hz           | 900                    | 0 - 115 l/min                  | 27 - 0 m             |
|                    |                     |                                | 1.5  | 230/400V - 50Hz           | 1400                   | 0 - 160 l/min                  | 30 - 0 m             |
| EP MAJOR 2" CR     | EP MAJOR 2" NBR     | Inox AISI 316<br>S.S. AISI 316 | 1.5  | 230/400V - 50Hz           | 700                    | 0 - 300 l/min                  | 18 - 0 m             |
|                    |                     |                                | 1.87 | 230/400V - 50Hz           | 900                    | 0 - 375 l/min                  | 18 - 0 m             |
| EP MAXI 3" CR      | EP MAXI 3" NBR      | Inox AISI 316<br>S.S. AISI 316 | 3.4  | 230/400V - 50Hz           | 470                    | 0 - 600 l/min                  | 18 - 0 m             |
|                    |                     |                                | 3.4  | 230/400V - 50Hz           | 600                    | 0 - 730 l/min                  | 18 - 0 m             |
| MID MINOR 1"1/2 CR | MID MINOR 1"1/2 NBR | Inox AISI 316<br>S.S. AISI 316 | -    | MID 50 CC **              | 175 (min)<br>900 (max) | 0 - 22 l/min<br>0 - 115 l/min  | 4 - 0 m<br>27 - 0 m  |
| MID MAJOR 2" CR    | MID MAJOR 2" NBR    | Inox AISI 316<br>S.S. AISI 316 | -    | MID 50 CC **              | 175 (min)<br>900 (max) | 0 - 72 l/min<br>0 - 375 l/min  | 12 - 0 m<br>18 - 0 m |
| MID MAXI 3" CR     | MID MAXI 3" NBR     | Inox AISI 316<br>S.S. AISI 316 | -    | MID 50 CC **              | 150 (min)<br>600 (max) | 0 - 200 l/min<br>0 - 730 l/min | 12 - 0 m<br>18 - 0 m |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* Pompa con/per motore idraulico / Pump with/for hydraulic motor

**Serie MO-B:** Pompe monovite con corpo in bronzo largamente utilizzate nel settore nautico per il trasferimento e lo svuotamento sulle imbarcazioni di: casse rifiuti, acque nere degli scarichi dei wc, liquidi pesanti anche con corpi in sospensione, liquidi particolarmente viscosi, oleosi come olii lubrificanti, olii esausti, olio combustibile, gasolio, ecc.

**MO-B Type:** Single screw pumps with bronze pump body, widely used in the nautical sector on boats for transfer and emptying waste tanks, toilet sewage, heavy liquids also with solid parts in suspension, viscous and oily liquids, like lubricating oils, exhausted oils, fuel oil, diesel oil, etc.

**Serie MO-I:** Pompe monovite con corpo inox utilizzate per il trasferimento di liquidi alimentari e chimici, liquidi densi anche con corpi in sospensione, viscosi come olio di oliva e in generale tutti gli olii alimentari.

**MO-I Type:** Single screw pumps with stainless steel pump body for transfer of food and chemical fluids, heavy liquids also with solid parts in suspension, viscous like olive oil and in general all food oils.



MO-I



MO-B

| Modello<br>Type | Materiale **<br>Material ** | Alimentazione *<br>Feeding * | kW   | Giri/min.<br>RPM | Portata l/h<br>Capacity l/h | Prevalenza m<br>Head m | Codice<br>Code |
|-----------------|-----------------------------|------------------------------|------|------------------|-----------------------------|------------------------|----------------|
| MO-I 28         | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,25 | 1400             | 375-310-250                 | 0 - 20 - 40            | 8245MOI28-4TF  |
| MO-I 28/6       | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,18 | 900              | 240-200-160                 | 0 - 20 - 40            | 8245MOI28-6TF  |
| MO-I 28         | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 0,25 | 1400             | 375-310-250                 | 0 - 20 - 40            | 8245MOI28-4MF  |
| MO-I 25         | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,25 | 1400             | 700-500-400                 | 0 - 20 - 40            | 8245MOI25-4TF  |
| MO-I 25/6       | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,18 | 900              | 450-325-250                 | 0 - 20 - 40            | 8245MOI25-6TF  |
| MO-I 25         | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 0,25 | 1400             | 700-500-400                 | 0 - 20 - 40            | 8245MOI25-4MF  |
| MO-I 49         | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,55 | 1400             | 1350-950-750                | 0 - 20 - 40            | 8245MOI49-4TF  |
| MO-I 49/6       | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,55 | 900              | 850-600-475                 | 0 - 20 - 40            | 8245MOI49-6TF  |
| MO-I 49         | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 0,55 | 1400             | 1350-950-750                | 0 - 20 - 40            | 8245MOI49-4MF  |
| MO-I 49/6       | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 0,55 | 900              | 850-600-475                 | 0 - 20 - 40            | 8245MOI49-6MF  |
| MO-I 44         | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,55 | 1400             | 3150-2450-1750              | 0 - 20 - 40            | 8245MOI44-4TF  |
| MO-I 44/6       | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,55 | 900              | 2000-1550-1100              | 0 - 20 - 40            | 8245MOI44-6TF  |
| MO-I 44         | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 0,55 | 1400             | 3150-2450-1750              | 0 - 20 - 40            | 8245MOI44-4MF  |
| MO-I 44/6       | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 0,55 | 900              | 2000-1550-1100              | 0 - 20 - 40            | 8245MOI44-6MF  |
| MO-I 44         | Acciaio Inox / St. Steel    | 24V - 20A                    | 0,55 | 1400             | 3150-2450-1750              | 0 - 20 - 40            | 8245MOI4424    |
| MO-I 44         | Acciaio Inox / St. Steel    | 12V - 36A                    | 0,55 | 1400             | 3150-2450-1750              | 0 - 20 - 40            | 8245MOI4412    |
| MO-I 64         | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 1,10 | 1400             | 4050-3350-2300              | 0 - 20 - 55            | 8245MOI64-4TF  |
| MO-I 64/6       | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 0,75 | 900              | 2900-2300-1300              | 0 - 20 - 55            | 8245MOI64-6TF  |
| MO-I 64         | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 1,10 | 1400             | 4050-3350-2300              | 0 - 20 - 55            | 8245MOI64-4MF  |
| MO-I 64         | Acciaio Inox / St. Steel    | 24V - 60A                    | 1,10 | 1400             | 4050-3350-2300              | 0 - 20 - 55            | 8245MOI6424    |
| MO-I 100        | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 1,50 | 1400             | 7000-4750-2800              | 0 - 20 - 40            | 8245MOI100-4TF |
| MO-I 100/6      | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 1,10 | 900              | 4500-3000-1750              | 0 - 20 - 40            | 8245MOI100-6TF |
| MO-I 100        | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 1,50 | 1400             | 7000-4750-2800              | 0 - 20 - 40            | 8245MOI100-4MF |
| MO-I 100/6      | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 1,10 | 900              | 4500-3000-1750              | 0 - 20 - 40            | 8245MOI100-6MF |
| MO-I 100        | Acciaio Inox / St. Steel    | 24V - 85A                    | 1,50 | 1400             | 7000-4750-2800              | 0 - 20 - 40            | 8245MOI10024   |
| MO-I 200        | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 4,0  | 1400             | 18000-13000-10500           | 0 - 20 - 40            | 8245MOI200-4TF |
| MO-I 200/6      | Acciaio Inox / St. Steel    | 230/400V - 50Hz              | 2,20 | 900              | 11500-8000-5900             | 0 - 20 - 40            | 8245MOI200-6TF |
| MO-I 200        | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 3,0  | 1400             | 18000-13000-10500           | 0 - 20 - 40            | 8245MOI200-4MF |
| MO-I 200/6      | Acciaio Inox / St. Steel    | 230V - 50Hz                  | 2,20 | 900              | 11500-8000-5900             | 0 - 20 - 40            | 8245MOI200-6MF |
| MO-B 44         | Bronzo / Bronze             | 230/400V - 50Hz              | 0,55 | 1400             | 3150-2100-1650              | 0 - 20 - 40            | 8245MOB44-4TF  |
| MO-B 44         | Bronzo / Bronze             | 230V - 50Hz                  | 0,55 | 1400             | 3150-2100-1650              | 0 - 20 - 40            | 8245MOB44-4MF  |
| MO-B 44         | Bronzo / Bronze             | 24V - 20A                    | 0,55 | 1400             | 3150-2100-1650              | 0 - 20 - 40            | 8245MOB4424    |
| MO-B 44         | Bronzo / Bronze             | 12V - 36A                    | 0,55 | 1400             | 3150-2100-1650              | 0 - 20 - 40            | 8245MOB4412    |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* Disponibili a richiesta modelli con corpo in ghisa / Available on request cast-iron body versions

Pompe autoadescanti volumetriche ad ingranaggi monoblocco, adatte per il trasferimento di liquidi viscosi e privi di sostanze solide in sospensione come olio lubrificante, olio combustibile e gasolio. Per viscosità superiori ai 150-200 cP richiedere motore a 900 giri/min.

*Selfpriming volumetric monobloc gear electric pumps suitable for transferring of viscous liquids but without any solid parts in suspension like lubricating oil, fuel oil and diesel oil. For viscosities higher than 150-200 cP please ask for 900 RPM motor.*



| Modello **<br>Type ** | Materiale<br>Material | kW        | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------------|-----------------------|-----------|------------------------------|------------------|---------------------|--------------------|
| GEAR 2-G              | Ghisa<br>Cast Iron    | 0.11      | 230V - 50Hz                  | 1400             | 2 l/min             | 50 m               |
|                       |                       | 0.13      | 230/400V - 50Hz              | 1400             | 2 l/min             | 100 m              |
| GEAR 3-G              | Ghisa<br>Cast Iron    | 0.11      | 230V - 50Hz                  | 1400             | 3 l/min             | 50 m               |
|                       |                       | 0.13      | 230/400V - 50Hz              | 1400             | 3 l/min             | 50 m               |
| GEAR 4-G              | Ghisa<br>Cast Iron    | 0.18      | 230V - 50Hz                  | 1400             | 4 l/min             | 50 m               |
|                       |                       | 0.18      | 230/400V - 50Hz              | 1400             | 4 l/min             | 50 m               |
| GEAR 5-G              | Ghisa<br>Cast Iron    | 0.25      | 12V                          | 1400             | 5 l/min             | 50 m               |
|                       |                       | 0.25      | 24V                          | 1400             | 5 l/min             | 50 m               |
|                       |                       | 0.29-0.37 | 230V - 50Hz                  | 1400             | 5 l/min             | 50 - 100 m         |
|                       |                       | 0.25-0.37 | 230/400V - 50Hz              | 1400             | 5 l/min             | 50 - 100 m         |
| GEAR 10-G             | Ghisa<br>Cast Iron    | 0.37      | 12V                          | 1400             | 10 l/min            | 50 m               |
|                       |                       | 0.37      | 24V                          | 1400             | 10 l/min            | 50 m               |
|                       |                       | 0.25-0.37 | 230V - 50Hz                  | 1400             | 10 l/min            | 50 - 100 m         |
|                       |                       | 0.25-0.37 | 230/400V - 50Hz              | 1400             | 10 l/min            | 50 - 100 m         |
| GEAR 15-G             | Ghisa<br>Cast Iron    | 0.55      | 24V                          | 1400             | 15 l/min            | 100 m              |
|                       |                       | 0.37-0.55 | 230V - 50Hz                  | 1400             | 15 l/min            | 50 - 100 m         |
|                       |                       | 0.37-0.55 | 230/400V - 50Hz              | 1400             | 15 l/min            | 50 - 100 m         |
| GEAR 25-G             | Ghisa<br>Cast Iron    | 0.55      | 24V                          | 1400             | 25 l/min            | 50 m               |
|                       |                       | 0.55-0.75 | 230V - 50Hz                  | 1400             | 25 l/min            | 50 - 100 m         |
|                       |                       | 0.55-0.75 | 230/400V - 50Hz              | 1400             | 25 l/min            | 50 - 100 m         |
| GEAR 35-G             | Ghisa<br>Cast Iron    | 0.75      | 24V                          | 1400             | 35 l/min            | 50 m               |
|                       |                       | 0.75-1.1  | 230V - 50Hz                  | 1400             | 35 l/min            | 50 - 100 m         |
|                       |                       | 0.75-1.1  | 230/400V - 50Hz              | 1400             | 35 l/min            | 50 - 100 m         |
| GEAR 50-G             | Ghisa<br>Cast Iron    | 1.1-1.5   | 230V - 50Hz                  | 1400             | 50 l/min            | 50 - 100 m         |
|                       |                       | 1.1-1.5   | 230/400V - 50Hz              | 1400             | 50 l/min            | 50 - 100 m         |
| GEAR 60-G             | Ghisa<br>Cast Iron    | 1.5-1.85  | 230V - 50Hz                  | 1400             | 60 l/min            | 50 - 100 m         |
|                       |                       | 1.5-1.85  | 230/400V - 50Hz              | 1400             | 60 l/min            | 50 - 100 m         |
| GEAR 70-G             | Ghisa<br>Cast Iron    | 1.5       | 230V - 50Hz                  | 1400             | 70 l/min            | 50 m               |
|                       |                       | 1.85      | 230/400V - 50Hz              | 1400             | 70 l/min            | 50 m               |
| GEAR 2-B              | Bronzo<br>Bronze      | 0.11      | 230V - 50Hz                  | 1400             | 2 l/min             | 50 m               |
|                       |                       | 0.13      | 230/400V - 50Hz              | 1400             | 2 l/min             | 100 m              |
| GEAR 5-B              | Bronzo<br>Bronze      | 0.25      | 12V                          | 1400             | 5 l/min             | 50 m               |
|                       |                       | 0.25      | 24V                          | 1400             | 5 l/min             | 50 m               |
|                       |                       | 0.29-0.37 | 230V - 50Hz                  | 1400             | 5 l/min             | 50 - 100 m         |
| GEAR 10-B             | Bronzo<br>Bronze      | 0.25-0.37 | 230/400V - 50Hz              | 1400             | 5 l/min             | 50 - 100 m         |
|                       |                       | 0.37      | 12V                          | 1400             | 10 l/min            | 50 m               |
|                       |                       | 0.37      | 24V                          | 1400             | 10 l/min            | 50 m               |
|                       |                       | 0.25-0.37 | 230V - 50Hz                  | 1400             | 10 l/min            | 50 - 100 m         |
| GEAR 15-B             | Bronzo<br>Bronze      | 0.25-0.37 | 230/400V - 50Hz              | 1400             | 10 l/min            | 50 - 100 m         |
|                       |                       | 0.55      | 24V                          | 1400             | 15 l/min            | 100 m              |
|                       |                       | 0.37-0.55 | 230V - 50Hz                  | 1400             | 15 l/min            | 50 - 100 m         |
| GEAR 25-B             | Bronzo<br>Bronze      | 0.37-0.55 | 230/400V - 50Hz              | 1400             | 15 l/min            | 50 - 100 m         |
|                       |                       | 0.55      | 24V                          | 1400             | 25 l/min            | 50 m               |
|                       |                       | 0.55-0.75 | 230V - 50Hz                  | 1400             | 25 l/min            | 50 - 100 m         |
| GEAR 35-B             | Bronzo<br>Bronze      | 0.55-0.75 | 230/400V - 50Hz              | 1400             | 25 l/min            | 50 - 100 m         |
|                       |                       | 0.75      | 24V                          | 1400             | 35 l/min            | 50 m               |
|                       |                       | 0.75-1.1  | 230V - 50Hz                  | 1400             | 35 l/min            | 50 - 100 m         |
| GEAR 50-B             | Bronzo<br>Bronze      | 0.75-1.1  | 230/400V - 50Hz              | 1400             | 35 l/min            | 50 - 100 m         |
|                       |                       | 1.1-1.5   | 230V - 50Hz                  | 1400             | 50 l/min            | 50 - 100 m         |
| GEAR 60-B             | Bronzo<br>Bronze      | 1.1-1.5   | 230/400V - 50Hz              | 1400             | 50 l/min            | 50 - 100 m         |
|                       |                       | 1.5-1.85  | 230V - 50Hz                  | 1400             | 60 l/min            | 50 - 100 m         |
| GEAR 70-B             | Bronzo<br>Bronze      | 1.5-1.85  | 230/400V - 50Hz              | 1400             | 60 l/min            | 50 - 100 m         |
|                       |                       | 1.5       | 230V - 50Hz                  | 1400             | 70 l/min            | 50 m               |
| GEAR 70-B             | Bronzo<br>Bronze      | 1.85      | 230/400V - 50Hz              | 1400             | 70 l/min            | 50 m               |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* Disponibili a richiesta con valvola by-pass / Available on request with by-pass valve



Pompe autoadescanti volumetriche ad ingranaggi, costruzione base-giunto, adatte per il trasferimento di liquidi viscosi e privi di sostanze solide in sospensione come olio lubrificante, olio combustibile e gasolio. Per viscosità superiori ai 150-200 cP richiedere motore a 900 giri/min.

*Selfpriming volumetric gear electric pumps on base frame suitable for transferring of viscous liquids but without any solid parts in suspension like lubricating oil, fuel oil and diesel oil. For viscosities higher than 150-200 cP please ask for 900 RPM motor.*



| Modello **<br>Type ** | Materiale<br>Material | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------------|-----------------------|------|------------------------------|------------------|---------------------|--------------------|
| GEAR BASE 100-G       | Ghisa<br>Cast Iron    | 2.2  | 230V - 50 Hz                 | 1400             | 115 l/min           | 50 m               |
|                       |                       | 2.2  | 230/400V - 50Hz              | 1400             | 115 l/min           | 50 m               |
|                       |                       | 3.0  | 230/400V - 50Hz              | 1400             | 105 l/min           | 100 m              |
| GEAR BASE 150-G       | Ghisa<br>Cast Iron    | 3.0  | 230/400V - 50Hz              | 1400             | 164 l/min           | 50m                |
|                       |                       | 4.0  | 230/400V - 50Hz              | 1400             | 156 l/min           | 100 m              |
| GEAR BASE 200-G       | Ghisa<br>Cast Iron    | 4.0  | 230/400V - 50Hz              | 1400             | 212 l/min           | 50 m               |
|                       |                       | 5.5  | 400/690V - 50Hz              | 1400             | 205 l/min           | 100 m              |
| GEAR BASE 250-G       | Ghisa<br>Cast Iron    | 4.0  | 230/400V - 50Hz              | 1400             | 258 l/min           | 50 m               |
|                       |                       | 7.5  | 400/690V - 50Hz              | 1400             | 250 l/min           | 100 m              |
| GEAR BASE 300-G       | Ghisa<br>Cast Iron    | 5.5  | 400/690V - 50Hz              | 1400             | 314 l/min           | 50 m               |
|                       |                       | 7.5  | 400/690V - 50Hz              | 1400             | 302 l/min           | 100 m              |
| GEAR BASE 350-G       | Ghisa<br>Cast Iron    | 5.5  | 400/690V - 50Hz              | 1400             | 365 l/min           | 50 m               |
|                       |                       | 11.0 | 400/690V - 50Hz              | 1400             | 350 l/min           | 100 m              |
| GEAR BASE 400-G       | Ghisa<br>Cast Iron    | 7.5  | 400/690V - 50Hz              | 1400             | 415 l/min           | 50 m               |
|                       |                       | 11.0 | 400/690V - 50Hz              | 1400             | 405 l/min           | 100 m              |
| GEAR BASE 500-G       | Ghisa<br>Cast Iron    | 11.0 | 400/690V - 50Hz              | 1400             | 515 l/min           | 50 m               |
|                       |                       | 15.0 | 400/690V - 50Hz              | 1400             | 505 l/min           | 100 m              |
| GEAR BASE 600-G       | Ghisa<br>Cast Iron    | 11.0 | 400/690V - 50Hz              | 1400             | 620 l/min           | 50 m               |
|                       |                       | 15.0 | 400/690V - 50Hz              | 1400             | 600 l/min           | 100 m              |
| GEAR BASE 1500/8-G    | Ghisa<br>Cast Iron    | 11.0 | 400/690V - 50Hz              | 700              | 700 l/min           | 50 m               |
| GEAR BASE 2000/8-G    | Ghisa<br>Cast Iron    | 15.0 | 400/690V - 50Hz              | 700              | 940 l/min           | 50 m               |
| GEAR BASE 100-B       | Bronzo<br>Bronze      | 2.2  | 230V - 50 Hz                 | 1400             | 115 l/min           | 50 m               |
|                       |                       | 2.2  | 230/400V - 50Hz              | 1400             | 115 l/min           | 50 m               |
|                       |                       | 3.0  | 230/400V - 50Hz              | 1400             | 105 l/min           | 100 m              |
| GEAR BASE 150-B       | Bronzo<br>Bronze      | 3.0  | 230/400V - 50Hz              | 1400             | 164 l/min           | 50m                |
|                       |                       | 4.0  | 230/400V - 50Hz              | 1400             | 156 l/min           | 100 m              |
| GEAR BASE 200-B       | Bronzo<br>Bronze      | 4.0  | 230/400V - 50Hz              | 1400             | 212 l/min           | 50 m               |
|                       |                       | 5.5  | 400/690V - 50Hz              | 1400             | 205 l/min           | 100 m              |
| GEAR BASE 250-B       | Bronzo<br>Bronze      | 4.0  | 230/400V - 50Hz              | 1400             | 258 l/min           | 50 m               |
|                       |                       | 7.5  | 400/690V - 50Hz              | 1400             | 250 l/min           | 100 m              |
| GEAR BASE 300-B       | Bronzo<br>Bronze      | 5.5  | 400/690V - 50Hz              | 1400             | 314 l/min           | 50 m               |
|                       |                       | 7.5  | 400/690V - 50Hz              | 1400             | 302 l/min           | 100 m              |
| GEAR BASE 350-B       | Bronzo<br>Bronze      | 5.5  | 400/690V - 50Hz              | 1400             | 365 l/min           | 50 m               |
|                       |                       | 11.0 | 400/690V - 50Hz              | 1400             | 350 l/min           | 100 m              |
| GEAR BASE 400-B       | Bronzo<br>Bronze      | 7.5  | 400/690V - 50Hz              | 1400             | 415 l/min           | 50 m               |
|                       |                       | 11.0 | 400/690V - 50Hz              | 1400             | 405 l/min           | 100 m              |
| GEAR BASE 500-B       | Bronzo<br>Bronze      | 11.0 | 400/690V - 50Hz              | 1400             | 515 l/min           | 50 m               |
|                       |                       | 15.0 | 400/690V - 50Hz              | 1400             | 505 l/min           | 100 m              |
| GEAR BASE 600-B       | Bronzo<br>Bronze      | 11.0 | 400/690V - 50Hz              | 1400             | 620 l/min           | 50 m               |
|                       |                       | 15.0 | 400/690V - 50Hz              | 1400             | 600 l/min           | 100 m              |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* Disponibili a richiesta con valvola by-pass / Available on request with by-pass valve

Gruppi di pressione (autoclavi), largamente utilizzati nel settore nautico per garantire una adeguata e costante pressione idrica nei servizi di bordo quali: docce, cucine, lavandini, wc, ecc.

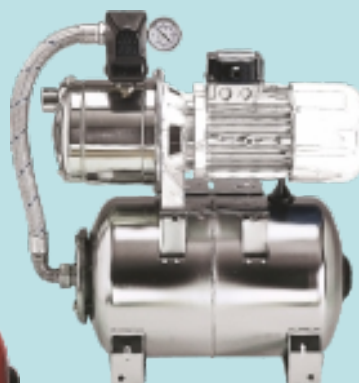
Pressure booster sets, widely used in the nautical sector where they grant a suitable and constant water pressure for all on-board appliances such as: showers, washbasins, toilets, etc.



GA-BJ 3 / 20L



GA-BP 60 / 8L



GA-IJ MG / 20X



GA-IJ / 2X

| Modello<br>Type      | Materiale<br>Material   | Serbatoio (litri) **<br>Tank (liters) ** | kW        | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |             |
|----------------------|-------------------------|--|-----------|------------------------------|------------------|---------------------|--------------------|-------------|
| GA-IJ S              | Inox<br>Stainless Steel | 2X<br>8X<br>20X                          | 8L<br>20L | 0.35                         | 12V - 33A        | 2200                | 10 - 50 l/min      | 25 - 10 m   |
|                      |                         |  |           | 0.35                         | 24V - 16A        | 2600                | 10 - 50 l/min      | 27 - 10 m   |
|                      |                         |  |           | 0.6                          | 230V - 50Hz      | 2800                | 10 - 50 l/min      | 38 - 19 m   |
|                      |                         |  |           | 0.6                          | 230/400V - 50Hz  | 2800                | 10 - 50 l/min      | 38 - 19 m   |
| GA-IJ                | Inox<br>Stainless Steel | 2X<br>8X<br>20X                          | 8L<br>20L | 0.52                         | 12V - 40A        | 2400                | 10 - 40 l/min      | 26 - 14 m   |
|                      |                         |  |           | 0.6                          | 24V - 28A        | 2700                | 10 - 40 l/min      | 34 - 18 m   |
|                      |                         |  |           | 0.7                          | 230V - 50Hz      | 2800                | 10 - 50 l/min      | 42 - 20 m   |
|                      |                         |  |           | 0.7                          | 230/400V - 50Hz  | 2800                | 10 - 50 l/min      | 42 - 20 m   |
| GA-IJ MG             | Inox<br>Stainless Steel | 20X                                      | 20L       | 0.75                         | 24V - 40A        | 2800                | 10 - 80 l/min      | 42 - 18 m   |
|                      |                         |  |           | 1.0                          | 230V - 50Hz      | 2800                | 10 - 90 l/min      | 58 - 15 m   |
|                      |                         |  |           | 1.0                          | 230/400V - 50Hz  | 2800                | 10 - 90 l/min      | 58 - 15 m   |
| GA-EP<br>NEOS 3/4" T | Inox<br>Stainless Steel | 2X                                       | 2L        | 0.45                         | 12V - 36A        | 3000                | 0 - 36 l/min       | 22 - 0 m    |
|                      |                         |  |           | 0.45                         | 24V - 22A        | 3000                | 0 - 36 l/min       | 22 - 0 m    |
| GA-BJ 3              | Bronzo<br>Bronze        | 2X<br>8X<br>20X                          | 8L<br>20L | 0.52                         | 12V - 40A        | 2200                | 3.5 - 42 l/min     | 28 - 3 m    |
|                      |                         |  |           | 0.6                          | 24V - 28A        | 2600                | 3.5 - 50 l/min     | 34 - 3 m    |
|                      |                         |  |           | 0.55                         | 230V - 50Hz      | 2800                | 4.1 - 50 l/min     | 49 - 24 m   |
|                      |                         |  |           | 0.55                         | 230/400V - 50Hz  | 2800                | 4.1 - 50 l/min     | 49 - 24 m   |
| GA-BJ 4              | Bronzo<br>Bronze        | 20X                                      | 20L       | 0.75                         | 24V - 45A        | 2800                | 4.1 - 66.6 l/min   | 40 - 21 m   |
|                      |                         |  |           | 0.75                         | 230V - 50Hz      | 2800                | 4.1 - 66.6 l/min   | 41 - 21 m   |
|                      |                         |  |           | 0.75                         | 230/400V - 50Hz  | 2800                | 4.1 - 66.6 l/min   | 41 - 21 m   |
| GA-BJ 5              | Bronzo<br>Bronze        | 20X                                      | 20L       | 1.1                          | 24V - 60A        | 2800                | 8.3 - 100 l/min    | 48.5 - 28 m |
|                      |                         |  |           | 1.1                          | 230V - 50Hz      | 2800                | 8.3 - 100 l/min    | 48.5 - 28 m |
|                      |                         |  |           | 1.1                          | 230/400V - 50Hz  | 2800                | 8.3 - 100 l/min    | 48.5 - 28 m |
| GA-BJ 6              | Bronzo<br>Bronze        | 20X                                      | 20L       | 1.5                          | 230V - 50Hz      | 2800                | 8.3 - 158 l/min    | 47 - 23 m   |
|                      |                         |  |           | 1.5                          | 230/400V - 50Hz  | 2800                | 8.3 - 158 l/min    | 51.5 - 27 m |
| GA-BJ 7              | Bronzo / Bronze         | 20X                                      | 20L       | 2.2                          | 230/400V - 50Hz  | 2800                | 8.3 - 158 l/min    | 59 - 34 m   |
| GA-BP 60             | Bronzo<br>Bronze        | 2X<br>8X                                 | 8L        | 0.44                         | 12V - 36A        | 3000                | 3 - 33 l/min       | 38 - 5 m    |
|                      |                         |  |           | 0.48                         | 24V - 22A        | 3000                | 3 - 35 l/min       | 40 - 5 m    |
| GA-BPL 61            | Bronzo<br>Bronze        | 8X                                       | 8L        | 0.33                         | 230V - 50Hz      | 2800                | 6.3 - 40 l/min     | 38 - 5 m    |
|                      |                         |  |           | 0.33                         | 230/400V - 50Hz  | 2800                | 6.3 - 40 l/min     | 38 - 5 m    |
| GA-BPL 70            | Bronzo<br>Bronze        | 8X                                       | 8L        | 0.75                         | 230V - 50Hz      | 2800                | 8 - 60 l/min       | 59 - 10 m   |
|                      |                         |  |           | 0.75                         | 230/400V - 50Hz  | 2800                | 8 - 60 l/min       | 59 - 10 m   |
| GA-BPL 80            | Bronzo<br>Bronze        | 8X                                       | 8L        | 0.75                         | 230V - 50Hz      | 2800                | 6.3 - 31.5 l/min   | 90 - 20 m   |
|                      |                         |  |           | 0.75                         | 230/400V - 50Hz  | 2800                | 6.3 - 31.5 l/min   | 90 - 20 m   |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* tipo X = Inox, tipo L = Acciaio / type X = Stainless Steel, type L = Steel

Le autoclavi dotate del sistema di controllo elettronico della pressione ECPS (Electronic Control Pressure System) sono finalizzate al controllo automatico della pompa regolandone automaticamente le fasi di avvio e di arresto nel momento in cui diminuisce la pressione o si arresta il flusso di acqua nell'impianto.

*The pressure booster sets featuring the electronic control pressure system ECPS are designed to accomplish the automatic control of the pump. The ECPS will automatically control the start and stop stages when the pressure drops or when the water supply to the system is interrupted.*



ECPS-BJ 3



ECPS-BP 60



ECPS-IJ

| Modello<br>Type | Materiale<br>Material   | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata<br>Capacity | Prevalenza<br>Head |
|-----------------|-------------------------|------|------------------------------|------------------|---------------------|--------------------|
| ECPS-IJ S       | Inox<br>Stainless Steel | 0.35 | 12V - 33A                    | 2200             | 10 - 50 l/min       | 25 - 10 m          |
|                 |                         | 0.35 | 24V - 16A                    | 2600             | 10 - 50 l/min       | 27 - 10 m          |
|                 |                         | 0.6  | 230V - 50Hz                  | 2800             | 10 - 50 l/min       | 38 - 19 m          |
|                 |                         | 0.6  | 230/400V - 50Hz              | 2800             | 10 - 50 l/min       | 38 - 19 m          |
| ECPS-IJ         | Inox<br>Stainless Steel | 0.52 | 12V - 40A                    | 2400             | 10 - 40 l/min       | 26 - 14 m          |
|                 |                         | 0.6  | 24V - 28A                    | 2700             | 10 - 40 l/min       | 34 - 18 m          |
|                 |                         | 0.7  | 230V - 50Hz                  | 2800             | 10 - 50 l/min       | 42 - 20 m          |
|                 |                         | 0.7  | 230/400V - 50Hz              | 2800             | 10 - 50 l/min       | 42 - 20 m          |
| ECPS-IJMG       | Inox<br>Stainless Steel | 0.75 | 24V - 40A                    | 2800             | 10 - 80 l/min       | 48 - 12 m          |
|                 |                         | 1.0  | 230V - 50Hz                  | 2800             | 10 - 90 l/min       | 58 - 15 m          |
|                 |                         | 1.0  | 230/400V - 50Hz              | 2800             | 10 - 90 l/min       | 58 - 15 m          |
| ECPS-BJ 3       | Bronzo<br>Bronze        | 0.52 | 12V - 40A                    | 2200             | 3.5 - 42 l/min      | 28 - 3 m           |
|                 |                         | 0.6  | 24V - 28A                    | 2600             | 3.5 - 52.5 l/min    | 34 - 3 m           |
|                 |                         | 0.55 | 230V - 50Hz                  | 2800             | 4.1 - 50 l/min      | 49 - 24 m          |
| ECPS-BJ 4       | Bronzo<br>Bronze        | 0.55 | 230/400V - 50Hz              | 2800             | 4.1 - 50 l/min      | 49 - 24 m          |
|                 |                         | 0.75 | 24V - 45A                    | 2800             | 3.5 - 63 l/min      | 40 - 22.5 m        |
|                 |                         | 0.75 | 230V - 50Hz                  | 2800             | 4.1 - 66.6 l/min    | 41 - 21 m          |
| ECPS-BJ 5       | Bronzo<br>Bronze        | 0.75 | 230/400V - 50Hz              | 2800             | 4.1 - 66.6 l/min    | 41 - 21 m          |
|                 |                         | 1.1  | 24V - 60A                    | 2800             | 8.3 - 100 l/min     | 48.5 - 28 m        |
|                 |                         | 1.1  | 230V - 50Hz                  | 2800             | 8.3 - 100 l/min     | 48.5 - 28 m        |
| ECPS-BJ 6       | Bronzo<br>Bronze        | 1.1  | 230/400V - 50Hz              | 2800             | 8.3 - 100 l/min     | 48.5 - 28 m        |
|                 |                         | 1.5  | 230V - 50Hz                  | 2800             | 8.3 - 158 l/min     | 47 - 23 m          |
|                 |                         | 1.5  | 230/400V - 50Hz              | 2800             | 8.3 - 158 l/min     | 51.5 - 27 m        |
| ECPS-BP 60      | Bronzo<br>Bronze        | 0.44 | 12V - 36A                    | 3000             | 3 - 33 l/min        | 38 - 5 m           |
|                 |                         | 0.48 | 24V - 22A                    | 3000             | 3 - 35 l/min        | 40 - 5 m           |
| ECPS-BPL 61     | Bronzo<br>Bronze        | 0.33 | 230V - 50Hz                  | 2800             | 6.3 - 40 l/min      | 38 - 5 m           |
|                 |                         | 0.33 | 230/400V - 50Hz              | 2800             | 6.3 - 40 l/min      | 38 - 5 m           |
| ECPS-BPL 70     | Bronzo<br>Bronze        | 0.75 | 230V - 50Hz                  | 2800             | 8 - 60 l/min        | 59 - 10 m          |
|                 |                         | 0.75 | 230/400V - 50Hz              | 2800             | 8 - 60 l/min        | 59 - 10 m          |
| ECPS-BPL 80     | Bronzo<br>Bronze        | 0.75 | 230V - 50Hz                  | 2800             | 6.3 - 31.5 l/min    | 90 - 20 m          |
|                 |                         | 0.75 | 230/400V - 50Hz              | 2800             | 6.3 - 31.5 l/min    | 90 - 20 m          |

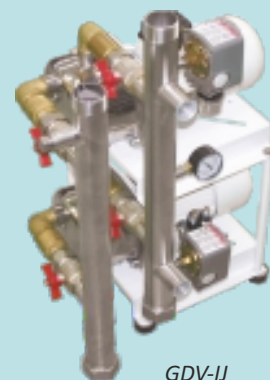
\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

Gruppi di pressione composti da 2 elettropompe da abbinare a serbatoio di accumulo per la distribuzione di acqua in pressione. Incluso: 4 valvole a sfera, 2 valvole di non ritorno in aspirazione, 2 pressostati oppure 2 controllori elettronici di pressione (ECPS), 1 manometro, collettori inox, base "omega" con antivibranti.

*Pressure set of 2 electric pumps to be mounted with an accumulator tank for pressure water distribution. Included: 4 ball valves, 2 non return valves in the inlet, 2 pressure switch or 2 electronic pressure controls (ECPS), 1 pressure gauge, manifolds in stainless steel, "omega" base with antivibration.*



GDO ECPS-IJ



GDV-IJ

| Orizzontale<br>Horizontal               | Verticale<br>Vertical                   | Materiale<br>Material | Pompa<br>Pump | kW   | Alimentazione *<br>Feeding * | Giri/min.<br>RPM | Portata max<br>Capacity max | Prevalenza max<br>Head max |
|---|---|-----------------------|---------------|------|------------------------------|------------------|-----------------------------|----------------------------|
| <b>GDO-IJ</b><br><b>GDO ECPS-IJ</b>     | <b>GDV-IJ</b><br><b>GDV ECPS-IJ</b>     | Inox<br>St. Steel     | 1             | 0.6  | 24V - 28A                    | 2700             | 50 + 50 l/min               | 38 m                       |
|   |   |                       | 2             | 0.6  | 24V - 28A                    | 2700             |                             | 38 m                       |
|   |   |                       | 1             | 0.7  | 230V - 50Hz                  | 2800             | 60 + 60 l/min               | 48 m                       |
|   |   |                       | 2             | 0.7  | 230V - 50Hz                  | 2800             |                             | 48 m                       |
|   |   |                       | 1             | 0.7  | 230/400V - 50Hz              | 2800             | 60 + 60 l/min               | 48 m                       |
|   |   |                       | 2             | 0.7  | 230/400V - 50Hz              | 2800             |                             | 48 m                       |
|   |   |                       | 1             | 0.6  | 24V - 28A                    | 2700             | 50 + 60 l/min               | 38 m                       |
|   |   |                       | 2             | 0.7  | 230V - 50Hz                  | 2800             |                             | 48 m                       |
| <b>GDO-IJMG</b><br><b>GDO ECPS-IJMG</b> | <b>GDV-IJMG</b><br><b>GDV ECPS-IJMG</b> | Inox<br>St. Steel     | 1             | 0.75 | 24V - 40A                    | 2800             | 90 + 90 l/min               | 50 m                       |
|   |   |                       | 2             | 0.75 | 24V - 40A                    | 2800             |                             | 50 m                       |
|   |   |                       | 1             | 1.0  | 230V - 50Hz                  | 2800             | 100 + 100 l/min             | 60 m                       |
|   |   |                       | 2             | 1.0  | 230V - 50Hz                  | 2800             |                             | 60 m                       |
|   |   |                       | 1             | 1.0  | 230/400V - 50Hz              | 2800             | 100 + 100 l/min             | 60 m                       |
|   |   |                       | 2             | 1.0  | 230/400V - 50Hz              | 2800             |                             | 60 m                       |
|   |   |                       | 1             | 0.75 | 24V - 40A                    | 2800             | 90 + 100 l/min              | 50 m                       |
|   |   |                       | 2             | 1.0  | 230V - 50Hz                  | 2800             |                             | 60 m                       |
| <b>GDO-BJ 3</b><br><b>GDO ECPS-BJ 3</b> | <b>GDV-BJ 3</b><br><b>GDV ECPS-BJ 3</b> | Bronzo<br>Bronze      | 1             | 0.6  | 24V - 28A                    | 2600             | 55 + 55 l/min               | 36 m                       |
|   |   |                       | 2             | 0.6  | 24V - 28A                    | 2600             |                             | 36 m                       |
|   |   |                       | 1             | 0.55 | 230V - 50Hz                  | 2800             | 60 + 60 l/min               | 50 m                       |
|   |   |                       | 2             | 0.55 | 230V - 50Hz                  | 2800             |                             | 50 m                       |
|   |   |                       | 1             | 0.55 | 230/400V - 50Hz              | 2800             | 60 + 60 l/min               | 50 m                       |
|   |   |                       | 2             | 0.55 | 230/400V - 50Hz              | 2800             |                             | 50 m                       |
|   |   |                       | 1             | 0.6  | 24V - 28A                    | 2600             | 55 + 60 l/min               | 36 m                       |
|   |   |                       | 2             | 0.55 | 230V - 50Hz                  | 2800             |                             | 50 m                       |
| <b>GDO-BJ 4</b><br><b>GDO ECPS-BJ 4</b> | <b>GDV-BJ 4</b><br><b>GDV ECPS-BJ 4</b> | Bronzo<br>Bronze      | 1             | 0.75 | 24V - 45A                    | 2800             | 70 + 70 l/min               | 41 m                       |
|   |   |                       | 2             | 0.75 | 24V - 45A                    | 2800             |                             | 41 m                       |
|   |   |                       | 1             | 0.75 | 230V - 50Hz                  | 2800             | 75 + 75 l/min               | 42 m                       |
|   |   |                       | 2             | 0.75 | 230V - 50Hz                  | 2800             |                             | 42 m                       |
|   |   |                       | 1             | 0.75 | 230/400V - 50Hz              | 2800             | 75 + 75 l/min               | 42 m                       |
|   |   |                       | 2             | 0.75 | 230/400V - 50Hz              | 2800             |                             | 42 m                       |
|   |   |                       | 1             | 0.75 | 24V - 45A                    | 2800             | 70 + 75 l/min               | 41 m                       |
|   |   |                       | 2             | 0.75 | 230V - 50Hz                  | 2800             |                             | 42 m                       |
| <b>GDO-BJ 5</b><br><b>GDO ECPS-BJ 5</b> | <b>GDV-BJ 5</b><br><b>GDV ECPS-BJ 5</b> | Bronzo<br>Bronze      | 1             | 1.1  | 24V - 60A                    | 2800             | 100 + 100 l/min             | 50 m                       |
|   |   |                       | 2             | 1.1  | 24V - 60A                    | 2800             |                             | 50 m                       |
|   |   |                       | 1             | 1.1  | 230V - 50Hz                  | 2800             | 100 + 100 l/min             | 50 m                       |
|   |   |                       | 2             | 1.1  | 230V - 50Hz                  | 2800             |                             | 50 m                       |
|   |   |                       | 1             | 1.1  | 230/400V - 50Hz              | 2800             | 100 + 100 l/min             | 50 m                       |
|   |   |                       | 2             | 1.1  | 230/400V - 50Hz              | 2800             |                             | 50 m                       |
|   |   |                       | 1             | 1.1  | 24V - 60A                    | 2800             | 100 + 100 l/min             | 50 m                       |
|   |   |                       | 2             | 1.1  | 230V - 50Hz                  | 2800             |                             | 50 m                       |
| <b>GDO-BJ 6</b><br><b>GDO ECPS-BJ 6</b> | <b>GDV-BJ 6</b><br><b>GDV ECPS-BJ 6</b> | Bronzo<br>Bronze      | 1             | 1.5  | 230V - 50Hz                  | 2800             | 160 + 160 l/min             | 48 m                       |
|   |   |                       | 2             | 1.5  | 230V - 50Hz                  | 2800             |                             | 48 m                       |
|   |   |                       | 1             | 1.5  | 230/400V - 50Hz              | 2800             | 160 + 160 l/min             | 52 m                       |
|   |   |                       | 2             | 1.5  | 230/400V - 50Hz              | 2800             |                             | 52 m                       |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

## Accessori per gruppi di pressione doppi Double pressure booster sets accessories

**Serbatoi di accumulo:** Serbatoio a membrana interna, in acciaio inox oppure verniciato, largamente utilizzati nei gruppi di pressione per mantenere costante la pressione di alimentazione delle utenze.

**Accumulator tanks:** Internal membrane tanks, made of stainless steel or painted steel, widely used in pressure booster system, to keep constant the delivery pressure to the users.



20X-O



500L-V

| Orizzontale<br>Horizontal | Verticale<br>Vertical | Materiale<br>Material              | Capacità<br>Capacity | Entrata<br>Inlet |
|---------------------------|-----------------------|------------------------------------|----------------------|------------------|
| 20X-O                     | 20X-V                 | Acciaio Inox / Stainless Steel     | 20 litri / liters    | 1"               |
| 50X-O                     | 50X-V                 | Acciaio Inox / Stainless Steel     | 50 litri / liters    | 1"               |
| 100X-O                    | 100X-V                | Acciaio Inox / Stainless Steel     | 100 litri / liters   | 1"               |
| 200X-O                    | 200X-V                | Acciaio Inox / Stainless Steel     | 200 litri / liters   | 1"1/2            |
| 300X-O                    | 300X-V                | Acciaio Inox / Stainless Steel     | 300 litri / liters   | 1"1/2            |
|                           | 500X-V                | Acciaio Inox / Stainless Steel     | 500 litri / liters   | 1"1/2            |
| 20L-O                     | 20L-V                 | Acciaio verniciato / Painted steel | 20 litri / liters    | 1"               |
| 50L-O                     | 50L-V                 | Acciaio verniciato / Painted steel | 50 litri / liters    | 1"               |
| 100L-O                    | 100L-V                | Acciaio verniciato / Painted steel | 100 litri / liters   | 1"               |
| 200L-O                    | 200L-V                | Acciaio verniciato / Painted steel | 200 litri / liters   | 1"1/2            |
| 300L-O                    | 300L-V                | Acciaio verniciato / Painted steel | 300 litri / liters   | 1"1/2            |
|                           | 500L-V                | Acciaio verniciato / Painted steel | 500 litri / liters   | 1"1/2            |

**Quadri di controllo pompe:** Quadri elettrici per gestione gruppi di pressione doppi con pompe a velocità fissa (Q2FS) e a velocità variabile con inverter (Q2VS).

**Control Panels:** Control panels for double booster sets at fixed speed (Q2FS) and at variable speed with frequency converter (Q2VS).



Q2FS

Pompe per ricircolo acqua sanitaria a 3 velocità.

*Pumps for sanitary hot water circulation at 3 adjustable speeds.*



| Modello<br>Type        | Materiale<br>Material | Alimentazione<br>Feeding | Giri/min.<br>RPM     | Portata max<br>Capacity max | Prevalenza max<br>Head max |
|------------------------|-----------------------|--------------------------|----------------------|-----------------------------|----------------------------|
| <b>CIRC B40</b>        | Bronzo / Bronze       | 230V - 50Hz              | 3 velocità / 3 speed | 2.8 m <sup>3</sup> /h       | 4.0 m                      |
| <b>CIRC B50</b>        | Bronzo / Bronze       | 230V - 50Hz              | 3 velocità / 3 speed | 3.0 m <sup>3</sup> /h       | 5.0 m                      |
| <b>CIRC B70</b>        | Bronzo / Bronze       | 230V - 50Hz              | 3 velocità / 3 speed | 4.0 m <sup>3</sup> /h       | 7.0 m                      |
| <b>CIRC 25-20 D</b>    | Bronzo / Bronze       | 230/400V - 50Hz          | 1 velocità / 1 speed | 4.0 m <sup>3</sup> /h       | 3.0 m                      |
| <b>CIRC TOP Z 30/7</b> | Bronzo<br>Bronze      | 230V - 50Hz              | 3 velocità / 3 speed | 7.0 m <sup>3</sup> /h       | 5.5 m                      |
|                        |                       | 230/400V - 50Hz          | 3 velocità / 3 speed | 7.0 m <sup>3</sup> /h       | 5.5 m                      |
| <b>CIRC TOP Z 40/7</b> | Ghisa<br>Cast Iron    | 230V - 50Hz              | 3 velocità / 3 speed | 16.0 m <sup>3</sup> /h      | 6.0 m                      |
|                        |                       | 230/400V - 50Hz          | 3 velocità / 3 speed | 16.0 m <sup>3</sup> /h      | 6.0 m                      |

Elettropompe sommergibili adatte a sollevare acqua dolce o di mare con un'ottima portata. Indicate nel servizio di svuotamento delle sentine nelle imbarcazioni. S-RU è costruita con corpo e girante in ABS, albero motore in acciaio inox.

*Submersible electric pumps suitable for lifting fresh and sea water with a very good delivery. It is suitable for emptying boat bilges. The pump casing and impeller of S-RU are made of ABS and the shaft is made of stainless steel.*



| Modello<br>Type  | Mandata<br>Outlet | Alimentazione<br>Feeding | Giri/min.<br>RPM | Portata max<br>Capacity max | Prevalenza max<br>Head max |
|------------------|-------------------|--------------------------|------------------|-----------------------------|----------------------------|
| <b>S-RU 1100</b> | 1" 1/8 - 28 mm    | 12V - 3.3A               | 2800             | 70 l/min                    | 4.0 m                      |
|                  |                   | 24V - 1.3A               | 2800             | 70 l/min                    | 4.0 m                      |
| <b>S-RU 1500</b> | 1" 1/8 - 28 mm    | 12V - 4.8A               | 2800             | 95 l/min                    | 4.0 m                      |
|                  |                   | 24V - 2.3A               | 2800             | 95 l/min                    | 4.0 m                      |
| <b>S-RU 2000</b> | 1" 1/8 - 28 mm    | 12V - 8.4A               | 2800             | 126 l/min                   | 6.4 m                      |
|                  |                   | 24V - 4.0A               | 2800             | 126 l/min                   | 6.4 m                      |
| <b>S-RU 3700</b> | 1" 1/2 - 38 mm    | 12V - 15.5A              | 2800             | 240 l/min                   | 7.3 m                      |
|                  |                   | 24V - 7.0A               | 2800             | 240 l/min                   | 7.3 m                      |
| <b>S-RU 4700</b> | 2" - 50 mm        | 12V - 16A                | 2800             | 300 l/min                   | 8.0 m                      |
|                  |                   | 24V - 11A                | 2800             | 300 l/min                   | 8.0 m                      |

Elettropompe sommergibili in BRONZO particolarmente indicate nel settore nautico per lo svuotamento delle sentine ed il travaso di acqua dolce e di mare. Le pompe S-BZ sono equipaggiate con girante arretrata tipo Vortex e sono inoltre indicate per lo svuotamento delle acque nere e di liquidi carichi con piccole parti solide in sospensione. Nota: le elettropompe S-BZ sono fornite di serie con 10 m. di cavo.

*Submersible electric pumps made in BRONZE widely used in the nautical sector to empty bilges and to pumping fresh and sea water. The pump series S-BZ are equipped with Vortex impeller: they are also indicated for black water and dirty liquids with small solid bodies in suspension. Note: the pumps model S-BZ are supplied of series with 10 m. of cable.*



| Modello Type    | Materiale Material | kW   | Alimentazione Feeding | Assorbimento Absorption | Giri/min. RPM | Portata max Capacity max | Prevalenza max Head max |
|-----------------|--------------------|------|-----------------------|-------------------------|---------------|--------------------------|-------------------------|
| <b>S-BZ 50</b>  | Bronzo Bronze      | 0.37 | 24V                   | 18A                     | 2800          | 350 l/min                | 7.5 m                   |
|                 |                    | 0.37 | 230V - 50Hz           | 2.9A                    | 2800          | 350 l/min                | 7.5 m                   |
|                 |                    | 0.37 | 230/400V - 50Hz       | 2-0.9A                  | 2800          | 350 l/min                | 7.5 m                   |
| <b>S-BZ 75</b>  | Bronzo Bronze      | 0.55 | 230V - 50Hz           | 3.9A                    | 2800          | 400 l/min                | 8.5 m                   |
|                 |                    | 0.55 | 230/400V - 50Hz       | 3-1.4A                  | 2800          | 400 l/min                | 8.5 m                   |
| <b>S-BZ 100</b> | Bronzo Bronze      | 0.88 | 230V - 50Hz           | 6.5A                    | 2800          | 550 l/min                | 12 m                    |
|                 |                    | 0.88 | 230/400V - 50Hz       | 4.8-2A                  | 2800          | 550 l/min                | 12 m                    |
| <b>S-BZ 150</b> | Bronzo Bronze      | 1.1  | 230V - 50Hz           | 8.2A                    | 2800          | 600 l/min                | 14 m                    |
|                 |                    | 1.1  | 230/400V - 50Hz       | 5-2.8A                  | 2800          | 600 l/min                | 14 m                    |
| <b>S-BZ 200</b> | Bronzo Bronze      | 1.5  | 230V - 50Hz           | 8.2A                    | 2800          | 650 l/min                | 15 m                    |
|                 |                    | 1.5  | 230/400V - 50Hz       | 6.5-3.6A                | 2800          | 650 l/min                | 15 m                    |

Elettropompe sommergibili in polipropilene fibra di vetro particolarmente indicate nel settore nautico per lo svuotamento delle sentine ed il travaso di acqua dolce e di mare. LA serie S-PP-V equipaggiata con girante arretrata tipo Vortex è inoltre indicata per lo svuotamento delle acque nere e di liquidi carichi con piccole parti solide in sospensione. Nota: le elettropompe S-PP e S-PP-V sono fornite di serie con 5 metri di cavo.

*Submersible electric pumps made in polypropylene fiberglass widely used in the nautical sector to empty bilges and to pumping fresh and sea water. The pump series S-PP-V are equipped with Vortex impeller: they are also indicated for black water and dirty liquids with small solid bodies in suspension. Note: the pumps models S-PP and S-PP-V are supplied of series with 5 m. of cable.*



S-PP

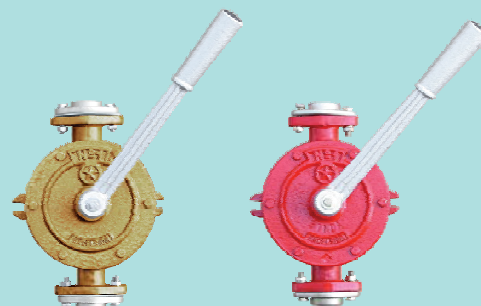


S-PP-V

| Modello Type  | kW   | Alimentazione Feeding | Assorbimento Absorption | Giri/min. RPM | Portata max Capacity max | Prevalenza max Head max |
|---------------|------|-----------------------|-------------------------|---------------|--------------------------|-------------------------|
| <b>S-PP</b>   | 0.27 | 12V                   | 22A                     | 2800          | 180 l/min                | 9.0 m                   |
|               | 0.27 | 24V                   | 11A                     | 2800          | 180 l/min                | 9.0 m                   |
| <b>S-PP-V</b> | 0.27 | 12V                   | 22A                     | 2800          | 150 l/min                | 9.0 m                   |
|               | 0.27 | 24V                   | 11A                     | 2800          | 150 l/min                | 9.0 m                   |
| <b>S-PP</b>   | 0.37 | 230V - 50Hz           | 2.3A                    | 2800          | 180 l/min                | 9.0 m                   |
| <b>S-PP-V</b> | 0.37 | 230V - 50Hz           | 2.3A                    | 2800          | 150 l/min                | 9.0 m                   |

**Serie EX:** Pompa a mano semi-rotativa, autoadescante, duplice effetto, movimento alternato con corpo e interni in bronzo (B) oppure con corpo e coperchio in ghisa e interni in bronzo (GB). A richiesta tenute in Viton (V).

**EX type:** Semi-rotary hand pump, self priming, double acting, reciprocating action with body and internal parts made of bronze (B) or cast iron body and cover and bronze internal parts (GB). On request Viton seals (V).



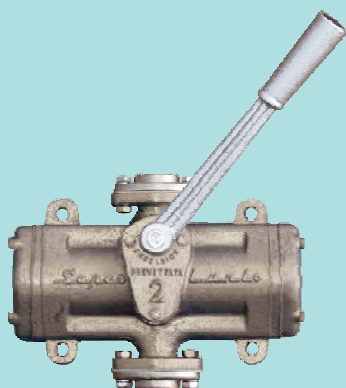
EX (B - BV)

EX (GB - GBV)

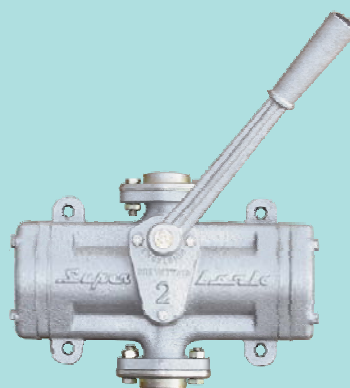
| Modello Type | Materiale Material | Versione Version | Bocche Exit | Portata Capacity | Prevalenza max Head max |
|--------------|--------------------|------------------|-------------|------------------|-------------------------|
| EX000        | Bronzo / Bronze    | B                | 3/8"        | 8 l/min          | 25 m                    |
| EX0          | Bronzo / Bronze    | B - BV           | 1/2"        | 16 l/min         | 25 m                    |
| EX1          | Bronzo / Bronze    | B - BV           | 3/4"        | 20 l/min         | 25 m                    |
| EX2          | Bronzo / Bronze    | B - BV           | 1"          | 30 l/min         | 25 m                    |
| EX3          | Bronzo / Bronze    | B - BV           | 1"1/4       | 40 l/min         | 25 m                    |
| EX4          | Bronzo / Bronze    | B                | 1"1/4       | 55 l/min         | 25 m                    |
| EX5          | Bronzo / Bronze    | B                | 1"1/2       | 80 l/min         | 25 m                    |
| EX00         | Ghisa / Cast Iron  | GB               | 1/2"        | 13 l/min         | 25 m                    |
| EX0          | Ghisa / Cast Iron  | GB - GBV         | 1/2"        | 16 l/min         | 25 m                    |
| EX1          | Ghisa / Cast Iron  | GB - GBV         | 3/4"        | 20 l/min         | 25 m                    |
| EX2          | Ghisa / Cast Iron  | GB - GBV         | 1"          | 30 l/min         | 25 m                    |
| EX3          | Ghisa / Cast Iron  | GB - GBV         | 1"1/4       | 40 l/min         | 25 m                    |
| EX4          | Ghisa / Cast Iron  | GB               | 1"1/4       | 55 l/min         | 25 m                    |
| EX5          | Ghisa / Cast Iron  | GB               | 1"1/2       | 80 l/min         | 25 m                    |
| EX7          | Ghisa / Cast Iron  | GB               | 2"          | 105 l/min        | 25 m                    |

**Serie SL:** Pompa a mano a pistoni, autoadescante, a doppio effetto, a movimento alternato con corpo e interni in bronzo (B), con corpo e coperchio in ghisa (G) oppure con corpo, coperchio in ghisa e tenute in Viton (GV).

**SL type:** Piston hand pump, self priming, double acting, reciprocating action with body and internal parts made of bronze (B), cast iron body and cover (G) or cast iron body and cover and Viton seals (GV).



SL (B)



SL (G-GV)

| Modello Type | Materiale Material              | Bocche Exit | Portata Capacity | Prevalenza Head |
|--------------|---------------------------------|-------------|------------------|-----------------|
| SL2          | Bronzo (B) / Bronze (B)         | 1"          | 40 l/min         | 30 m            |
| SL3          | Bronzo (B) / Bronze (B)         | 1"1/4       | 55 l/min         | 30 m            |
| SL4          | Bronzo (B) / Bronze (B)         | 1"1/2       | 80 l/min         | 30 m            |
| SL5          | Bronzo (B) / Bronze (B)         | 2"          | 110 l/min        | 30 m            |
| SL2          | Ghisa (G-GV) / Cast Iron (G-GV) | 1"          | 40 l/min         | 30 m            |
| SL3          | Ghisa (G-GV) / Cast Iron (G-GV) | 1"1/4       | 55 l/min         | 30 m            |
| SL4          | Ghisa (G-GV) / Cast Iron (G-GV) | 1"1/2       | 80 l/min         | 30 m            |
| SL5          | Ghisa (G-GV) / Cast Iron (G-GV) | 2"          | 110 l/min        | 30 m            |



**Serie Y-MARE:** Pompa a mano a membrana unica, omologata, autoadescante, a semplice effetto, corpo in resina con fibra di vetro e supporto in alluminio.

**Y-MARE type:** Single diaphragm hand pump, approved, self-priming, single-acting, fiber glass resin pump body and aluminium pump support.

**Serie Y-ACIDI:** Pompa a mano a membrana unica, autoadescante, a semplice effetto, corpo in PVC e membrana in EPDM.

**Y-ACIDI type:** Single diaphragm hand pump, self-priming, single acting, PVC pump body and EPDM diaphragm.



Y-MARE / Y-ACIDI

| Modello<br>Type | Versione<br>Model        | Bocche<br>Exit | Portata<br>Capacity |
|-----------------|--------------------------|----------------|---------------------|
| Y-MARE          | Orizzontale / Horizontal | 1" x 32 mm     | 45 l/min            |
| Y-ACIDI/Z       | Orizzontale / Horizontal | 1" x 30 mm     | 40 l/min            |
| Y-ACIDI/V       | Verticale / Vertical     | 1" x 30 mm     | 40 l/min            |

**Serie M:** Pompa a mano in plastica a membrana unica, autoadescante, a semplice effetto, corpo in PVC.

**M type:** Single diaphragm plastic hand pump, self-priming, single action, PVC pump body.



M

| Modello<br>Type | Materiale membrana<br>Diaphragm material | Bocche<br>Exit | Portata<br>Capacity |
|-----------------|--|----------------|---------------------|
| M               | NBR                                      | 1" x 27-38 mm  | 25 l/min            |
| M-V             | Viton                                    | 1" x 27-38 mm  | 25 l/min            |

**Serie K-OIL:** Pompa a mano per l'estrazione dell'olio esausto della coppa dei motori marini e industriali. Versione con cilindro in ottone (OT) e versione con cilindro in alluminio (AL).

**K-OIL type:** Hand pump for emptying exhausted oil from the sump of marine motors and from industrial engines. Available model with brass cylinder (OT) and with cast-alloy cylinder (AL).

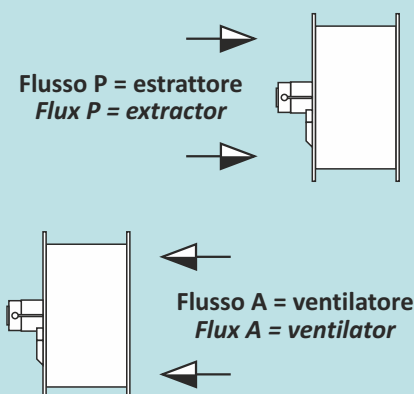


K-OIL

| Modello<br>Type | Bocche<br>Exit | Portata<br>Capacity |
|-----------------|----------------|---------------------|
| K-OIL OT        | 1/4"           | 5 l/min             |
| K-OIL AL        | 1/4"           | 5 l/min             |

Ventilatori elicoidali (assiali) largamente utilizzati sulle imbarcazioni per l'aspirazione e la ventilazione di aria nei locali chiusi (WC, cucine, sala macchine, ecc.). Carcassa in lamiera di acciaio verniciato (Serie **HBL**) o in acciaio inox (Serie **HBL-X**). Ventola costruita in polipropilene (temperatura di esercizio: -5°C + 80°C), dinamicamente e staticamente bilanciata. In sede di ordine specificare flusso A (ventilatore) o flusso P (estrattore). **A richiesta disponibili con ventola bidirezionale per flusso A+P.**

Helicoidal (axial) electric blowers widely used on board for suction and ventilation of air in closed environmental (WC, kitchens, engine rooms, etc.). Drum casing made in painted steel sheet (Series **HBL**) or made in stainless steel (Series **HBL-X**). Fan made in polypropylene (temperature range -5°C + 80°C), dynamically and statically balanced. Flux to specify on order: A flux (ventilator) P flux (extractor). **On request available with bidirectional special fan for flux A+P.**



HBL

HBL-X  
(Acciaio Inox / Stainless Steel)

| Modello **<br>Type **                | kW   | Alimentazione *<br>Feeding * | Assorbimento<br>Absorption | Giri/min.<br>RPM | Rumorosità<br>Noise | Portata max<br>Capacity max | Prevalenza max<br>Head max |
|--------------------------------------|------|------------------------------|----------------------------|------------------|---------------------|-----------------------------|----------------------------|
| <b>HBL 21</b><br><b>HBL-X 21</b>     | 0.2  | 12V                          | 12A                        | 2800             | 65 dB               | 22 m <sup>3</sup> /min      | 14 mmH <sub>2</sub> O      |
|                                      | 0.2  | 24V                          | 6A                         | 2800             | 65 dB               | 22 m <sup>3</sup> /min      | 14 mmH <sub>2</sub> O      |
|                                      | 0.2  | 230V - 50Hz                  | 2A                         | 2800             | 72 dB               | 22 m <sup>3</sup> /min      | 14 mmH <sub>2</sub> O      |
|                                      | 0.2  | 230/400V - 50Hz              | 1.2-0.6A                   | 2800             | 72 dB               | 22 m <sup>3</sup> /min      | 14 mmH <sub>2</sub> O      |
| <b>HBL 25</b><br><b>HBL-X 25</b>     | 0.3  | 12V                          | 17A                        | 2500             | 68 dB               | 37 m <sup>3</sup> /min      | 19 mmH <sub>2</sub> O      |
|                                      | 0.3  | 24V                          | 9A                         | 2500             | 68 dB               | 37 m <sup>3</sup> /min      | 19 mmH <sub>2</sub> O      |
|                                      | 0.37 | 230V - 50Hz                  | 2.7A                       | 2800             | 72 dB               | 42 m <sup>3</sup> /min      | 20 mmH <sub>2</sub> O      |
|                                      | 0.37 | 230/400V - 50Hz              | 1.4-0.8A                   | 2800             | 72 dB               | 42 m <sup>3</sup> /min      | 20 mmH <sub>2</sub> O      |
| <b>HBL 30</b><br><b>HBL-X 30</b>     | 0.15 | 12V                          | 10A                        | 1400             | 60 dB               | 42 m <sup>3</sup> /min      | 10 mmH <sub>2</sub> O      |
|                                      | 0.15 | 24V                          | 5A                         | 1400             | 60 dB               | 42 m <sup>3</sup> /min      | 10 mmH <sub>2</sub> O      |
|                                      | 0.18 | 230V - 50Hz                  | 1.8A                       | 1400             | 60 dB               | 42 m <sup>3</sup> /min      | 10 mmH <sub>2</sub> O      |
|                                      | 0.18 | 230/400V - 50Hz              | 1.2-0.6A                   | 1400             | 60 dB               | 42 m <sup>3</sup> /min      | 10 mmH <sub>2</sub> O      |
| <b>HBL 30/2</b><br><b>HBL-X 30/2</b> | 0.37 | 24V                          | 14A                        | 2000             | 68 dB               | 75 m <sup>3</sup> /min      | 22 mmH <sub>2</sub> O      |
|                                      | 0.55 | 230V - 50Hz                  | 4A                         | 2800             | 74 dB               | 80 m <sup>3</sup> /min      | 35 mmH <sub>2</sub> O      |
|                                      | 0.55 | 230/400V - 50Hz              | 3-1.7A                     | 2800             | 74 dB               | 80 m <sup>3</sup> /min      | 35 mmH <sub>2</sub> O      |
| <b>HBL 35</b><br><b>HBL-X 35</b>     | 0.15 | 12V                          | 12A                        | 1400             | 60 dB               | 62 m <sup>3</sup> /min      | 16 mmH <sub>2</sub> O      |
|                                      | 0.15 | 24V                          | 6A                         | 1400             | 60 dB               | 62 m <sup>3</sup> /min      | 16 mmH <sub>2</sub> O      |
|                                      | 0.18 | 230V - 50Hz                  | 1.8A                       | 1400             | 60 dB               | 62 m <sup>3</sup> /min      | 16 mmH <sub>2</sub> O      |
|                                      | 0.18 | 230/400V - 50Hz              | 1.2-0.6A                   | 1400             | 60 dB               | 62 m <sup>3</sup> /min      | 16 mmH <sub>2</sub> O      |
| <b>HBL 35/2</b><br><b>HBL-X 35/2</b> | 0.37 | 24V                          | 16A                        | 2000             | 70 dB               | 96 m <sup>3</sup> /min      | 22 mmH <sub>2</sub> O      |
|                                      | 1.1  | 230/400V - 50Hz              | 7.2A                       | 2800             | 72 dB               | 100 m <sup>3</sup> /min     | 60 mmH <sub>2</sub> O      |
|                                      | 1.1  | 230V - 50Hz                  | 5-2.9A                     | 2800             | 72 dB               | 100 m <sup>3</sup> /min     | 60 mmH <sub>2</sub> O      |
| <b>HBL 40</b><br><b>HBL-X 40</b>     | 0.26 | 12V                          | 14A                        | 1400             | 65 dB               | 70 m <sup>3</sup> /min      | 20 mmH <sub>2</sub> O      |
|                                      | 0.26 | 24V                          | 7A                         | 1400             | 65 dB               | 70 m <sup>3</sup> /min      | 20 mmH <sub>2</sub> O      |
|                                      | 0.18 | 230/400V - 50Hz              | 1.8A                       | 1400             | 65 dB               | 70 m <sup>3</sup> /min      | 20 mmH <sub>2</sub> O      |
|                                      | 0.18 | 230V - 50Hz                  | 1.2-0.6A                   | 1400             | 65 dB               | 70 m <sup>3</sup> /min      | 20 mmH <sub>2</sub> O      |
| <b>HBL 40/2</b><br><b>HBL-X 40/2</b> | 0.55 | 24V                          | 20A                        | 2000             | 72 dB               | 130 m <sup>3</sup> /min     | 24 mmH <sub>2</sub> O      |
|                                      | 1.1  | 230V - 50Hz                  | 7.2A                       | 2800             | 78 dB               | 135 m <sup>3</sup> /min     | 70 mmH <sub>2</sub> O      |
|                                      | 1.1  | 230/400V - 50Hz              | 5-2.9A                     | 2800             | 78 dB               | 135 m <sup>3</sup> /min     | 70 mmH <sub>2</sub> O      |

| Modello **<br>Type **      | kW   | Alimentazione *<br>Feeding * | Assorbimento<br>Absorption | Giri/min.<br>RPM | Rumorosità<br>Noise | Portata max<br>Capacity max | Prevalenza max<br>Head max |
|----------------------------|------|------------------------------|----------------------------|------------------|---------------------|-----------------------------|----------------------------|
| HBL 45<br>HBL-X 45         | 0.26 | 24V                          | 9A                         | 1400             | 68 dB               | 108 m <sup>3</sup> /min     | 20 mmH <sub>2</sub> O      |
|                            | 0.26 | 230V - 50Hz                  | 2.6A                       | 1400             | 68 dB               | 108 m <sup>3</sup> /min     | 20 mmH <sub>2</sub> O      |
|                            | 0.26 | 230/400V - 50Hz              | 1.6-0.9A                   | 1400             | 68 dB               | 108 m <sup>3</sup> /min     | 20 mmH <sub>2</sub> O      |
| HBL 45/2<br>HBL-X 45/2     | 0.6  | 24V                          | 28A                        | 2000             | 78 dB               | 145 m <sup>3</sup> /min     | 28 mmH <sub>2</sub> O      |
|                            | 1.5  | 230V - 50Hz                  | 9.6A                       | 2800             | 82 dB               | 175 m <sup>3</sup> /min     | 74 mmH <sub>2</sub> O      |
|                            | 1.5  | 230/400V - 50Hz              | 7.5-4.3A                   | 2800             | 82 dB               | 175 m <sup>3</sup> /min     | 74 mmH <sub>2</sub> O      |
| HBL 45/2 B<br>HBL-X 45/2 B | 2.2  | 230V - 50Hz                  | 7A                         | 2800             | 84 dB               | 200 m <sup>3</sup> /min     | 90 mmH <sub>2</sub> O      |
|                            | 2.2  | 230/400V - 50Hz              | 5.0-2.9A                   | 2800             | 84 dB               | 200 m <sup>3</sup> /min     | 90 mmH <sub>2</sub> O      |
| HBL 50<br>HBL-X 50         | 0.75 | 24V                          | 22A                        | 1400             | 74 dB               | 160 m <sup>3</sup> /min     | 28 mmH <sub>2</sub> O      |
|                            | 0.75 | 230V - 50Hz                  | 5.1A                       | 1400             | 74 dB               | 160 m <sup>3</sup> /min     | 28 mmH <sub>2</sub> O      |
|                            | 0.75 | 230/400V - 50Hz              | 3.6-2.2A                   | 1400             | 74 dB               | 160 m <sup>3</sup> /min     | 28 mmH <sub>2</sub> O      |
| HBL 50/2<br>HBL-X 50/2     | 3.0  | 230/400V - 50Hz              | 11.2-6.4A                  | 2800             | 86 dB               | 265 m <sup>3</sup> /min     | 100 mmH <sub>2</sub> O     |
| HBL 56<br>HBL-X 56         | 0.75 | 24V                          | 22A                        | 1400             | 74 dB               | 225 m <sup>3</sup> /min     | 28 mmH <sub>2</sub> O      |
|                            | 0.75 | 230V - 50Hz                  | 5.1A                       | 1400             | 74 dB               | 225 m <sup>3</sup> /min     | 28 mmH <sub>2</sub> O      |
|                            | 0.75 | 230/400V - 50Hz              | 3.6-2.2A                   | 1400             | 74 dB               | 225 m <sup>3</sup> /min     | 28 mmH <sub>2</sub> O      |
| HBL 63<br>HBL-X 63         | 1.1  | 230V - 50Hz                  | 7.2A                       | 1400             | 78 dB               | 312 m <sup>3</sup> /min     | 36 mmH <sub>2</sub> O      |
|                            | 1.1  | 230/400V - 50Hz              | 5-2.9A                     | 1400             | 78 dB               | 312 m <sup>3</sup> /min     | 36 mmH <sub>2</sub> O      |
| HBL 71<br>HBL-X 71         | 2.2  | 230V - 50Hz                  | 9.6A                       | 1400             | 80 dB               | 333 m <sup>3</sup> /min     | 45 mmH <sub>2</sub> O      |
|                            | 2.2  | 230/400V - 50Hz              | 7.5-4.3A                   | 1400             | 80 dB               | 333 m <sup>3</sup> /min     | 45 mmH <sub>2</sub> O      |
| HBL 71/B<br>HBL-X 71/B     | 3.0  | 230/400V - 50Hz              | 14-8.2A                    | 1400             | 82 dB               | 400 m <sup>3</sup> /min     | 48 mmH <sub>2</sub> O      |
| HBL 71/C<br>HBL-X 71/C     | 4.0  | 230/400V - 50Hz              | 16.4-10.6A                 | 1400             | 85 dB               | 475 m <sup>3</sup> /min     | 45 mmH <sub>2</sub> O      |
| HBL 80<br>HBL-X 80         | 3.0  | 230/400V - 50Hz              | 14-8.2A                    | 1400             | 82 dB               | 515 m <sup>3</sup> /min     | 60 mmH <sub>2</sub> O      |
| HBL 80/A<br>HBL-X 80/A     | 4.0  | 230/400V - 50Hz              | 16.4-10.6A                 | 1400             | 84 dB               | 585 m <sup>3</sup> /min     | 50 mmH <sub>2</sub> O      |
| HBL 80/B<br>HBL-X 80/B     | 5.5  | 230/400V - 50Hz              | 20.6-11.8A                 | 1400             | 86 dB               | 635 m <sup>3</sup> /min     | 50 mmH <sub>2</sub> O      |
| HBL 80/C<br>HBL-X 80/C     | 7.5  | 400/690V - 50Hz              | 14.6-8.4A                  | 1400             | 88 dB               | 715 m <sup>3</sup> /min     | 55 mmH <sub>2</sub> O      |
| HBL 90<br>HBL-X 90         | 7.5  | 400/690V - 50Hz              | 14.6-8.4A                  | 1400             | 88 dB               | 765 m <sup>3</sup> /min     | 90 mmH <sub>2</sub> O      |
| HBL 90/B<br>HBL-X 90/B     | 11.0 | 400/690V - 50Hz              | 22.3-12.9A                 | 1400             | 90 dB               | 875 m <sup>3</sup> /min     | 90 mmH <sub>2</sub> O      |
| HBL 100<br>HBL-X 100       | 7.5  | 400/690V - 50Hz              | 14.6-8.4A                  | 1400             | 88 dB               | 950 m <sup>3</sup> /min     | 90 mmH <sub>2</sub> O      |
| HBL 100/B<br>HBL-X 100/B   | 11.0 | 400/690V - 50Hz              | 22.3-12.9A                 | 1400             | 90 dB               | 1100 m <sup>3</sup> /min    | 90 mmH <sub>2</sub> O      |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* A richiesta disponibili altri modelli / Other product types available on request

## Accessori per ventilatori / Accessories for blowers

**Anello antivibrante:** anello flessibile in gomma EPDM anti-vibrazioni, con doppia flangia interna in acciaio inox, comunemente usato per assorbire le vibrazioni e ridurre il livello di rumore generato quando il ventilatore è in funzione.

**Vibration damping ring:** Flexible vibration damping ring, made of EPDM rubber, with a double internal flange made of stainless steel, commonly used to absorb the vibrations and consequently to reduce the noise level generated when the blower is working.

**Raccordo quadro/tondo:** realizzato in alluminio, è utilizzato per collegare il ventilatore alla serranda.

**Square/round adaptor:** made in aluminium, they are used to connect the blower with the dumper.



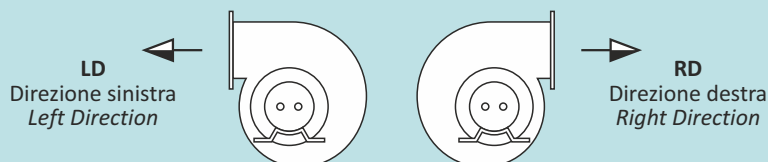
Anello antivibrante  
Vibration damping ring



Raccordo quadro/tondo  
Square/round adaptor

Ventilatori centrifughi largamente utilizzati sulle imbarcazioni per l'aspirazione e la ventilazione di aria nei locali chiusi (WC, cucine, sala macchine, ecc.). **In sede di ordine specificare direzione: LD (direzione sinistra) RD (direzione destra).**

*Centrifugal electric blowers widely used on board for extraction and ventilation of air in closed environments (WC, kitchens, engine rooms, etc.). **Direction to specify on order: LD (left direction) RD (right direction).***



| Modello **<br>Type ** | kW   | Alimentazione *<br>Feeding * | Assorbimento<br>Absorption | Giri/min.<br>RPM | Rumorosità<br>Noise | Portata max<br>Capacity max | Prevalenza max<br>Head max |
|-----------------------|------|------------------------------|----------------------------|------------------|---------------------|-----------------------------|----------------------------|
| CBL 002               | 0.09 | 12V                          | 3.2A                       | 2800             | 47 dB               | 4.5 m <sup>3</sup> /min     | 22 mmH <sub>2</sub> O      |
|                       | 0.09 | 24V                          | 1.6A                       | 2800             | 47 dB               | 4.5 m <sup>3</sup> /min     | 22 mmH <sub>2</sub> O      |
|                       | 0.09 | 230V - 50Hz                  | 0.8A                       | 2800             | 47 dB               | 4.5 m <sup>3</sup> /min     | 22 mmH <sub>2</sub> O      |
|                       | 0.09 | 230/400V - 50Hz              | 0.8-0.3A                   | 2800             | 47 dB               | 4.5 m <sup>3</sup> /min     | 22 mmH <sub>2</sub> O      |
| CBL 003               | 0.18 | 12V                          | 8A                         | 2800             | 55 dB               | 10 m <sup>3</sup> /min      | 45 mmH <sub>2</sub> O      |
|                       | 0.18 | 24V                          | 4A                         | 2800             | 55 dB               | 10 m <sup>3</sup> /min      | 45 mmH <sub>2</sub> O      |
|                       | 0.18 | 230V - 50Hz                  | 1A                         | 2800             | 60 dB               | 10 m <sup>3</sup> /min      | 45 mmH <sub>2</sub> O      |
|                       | 0.18 | 230/400V - 50Hz              | 0.9-0.6A                   | 2800             | 60 dB               | 10 m <sup>3</sup> /min      | 45 mmH <sub>2</sub> O      |
| CBL 004               | 0.12 | 12V                          | 6A                         | 2500             | 56 dB               | 12 m <sup>3</sup> /min      | 47 mmH <sub>2</sub> O      |
|                       | 0.12 | 24V                          | 3A                         | 2500             | 56 dB               | 12 m <sup>3</sup> /min      | 47 mmH <sub>2</sub> O      |
|                       | 0.25 | 230V - 50Hz                  | 2.2A                       | 2800             | 65 dB               | 15 m <sup>3</sup> /min      | 60 mmH <sub>2</sub> O      |
|                       | 0.25 | 230/400V - 50Hz              | 1.3-0.8A                   | 2800             | 65 dB               | 15 m <sup>3</sup> /min      | 60 mmH <sub>2</sub> O      |
| CBL 015               | 0.25 | 12V                          | 24A                        | 1400             | 55 dB               | 24 m <sup>3</sup> /min      | 34 mmH <sub>2</sub> O      |
|                       | 0.25 | 24V                          | 12A                        | 1400             | 55 dB               | 24 m <sup>3</sup> /min      | 34 mmH <sub>2</sub> O      |
|                       | 0.25 | 230V - 50Hz                  | 2.2A                       | 1400             | 55 dB               | 24 m <sup>3</sup> /min      | 34 mmH <sub>2</sub> O      |
|                       | 0.25 | 230/400V - 50Hz              | 1.3-0.8A                   | 1400             | 55 dB               | 24 m <sup>3</sup> /min      | 34 mmH <sub>2</sub> O      |
| CBL 028               | 0.3  | 12V                          | 26A                        | 2800             | 65 dB               | 24 m <sup>3</sup> /min      | 84 mmH <sub>2</sub> O      |
|                       | 0.3  | 24V                          | 14A                        | 2800             | 65 dB               | 24 m <sup>3</sup> /min      | 84 mmH <sub>2</sub> O      |
|                       | 0.37 | 230V - 50Hz                  | 2.8A                       | 2800             | 65 dB               | 24 m <sup>3</sup> /min      | 84 mmH <sub>2</sub> O      |
|                       | 0.37 | 230/400V - 50Hz              | 1.5-0.9A                   | 2800             | 65 dB               | 24 m <sup>3</sup> /min      | 84 mmH <sub>2</sub> O      |
| CBL 023               | 0.55 | 12V                          | 30A                        | 2000             | 70 dB               | 37 m <sup>3</sup> /min      | 64 mmH <sub>2</sub> O      |
|                       | 0.55 | 24V                          | 22A                        | 2000             | 70 dB               | 37 m <sup>3</sup> /min      | 64 mmH <sub>2</sub> O      |
|                       | 1.1  | 230V - 50Hz                  | 7A                         | 2800             | 76 dB               | 58 m <sup>3</sup> /min      | 130 mmH <sub>2</sub> O     |
|                       | 1.1  | 230/400V - 50Hz              | 5-2.9A                     | 2800             | 76 dB               | 58 m <sup>3</sup> /min      | 130 mmH <sub>2</sub> O     |
| CBL 025               | 0.55 | 24V                          | 30A                        | 1400             | 70 dB               | 50 m <sup>3</sup> /min      | 55 mmH <sub>2</sub> O      |
|                       | 0.55 | 230V - 50Hz                  | 5.2A                       | 1400             | 70 dB               | 50 m <sup>3</sup> /min      | 55 mmH <sub>2</sub> O      |
|                       | 0.55 | 230/400V - 50Hz              | 3.6-2.2A                   | 1400             | 70 dB               | 50 m <sup>3</sup> /min      | 55 mmH <sub>2</sub> O      |
| CBL 030               | 1.1  | 230V - 50Hz                  | 7.2A                       | 1400             | 74 dB               | 66 m <sup>3</sup> /min      | 80 mmH <sub>2</sub> O      |
|                       | 1.1  | 230/400V - 50Hz              | 5-2.9A                     | 1400             | 74 dB               | 66 m <sup>3</sup> /min      | 80 mmH <sub>2</sub> O      |
| CBL 035               | 2.2  | 230V - 50Hz                  | 13.5A                      | 1400             | 79 dB               | 90 m <sup>3</sup> /min      | 100 mmH <sub>2</sub> O     |
|                       | 2.2  | 230/400V - 50Hz              | 9.2-5.4A                   | 1400             | 79 dB               | 90 m <sup>3</sup> /min      | 100 mmH <sub>2</sub> O     |
| CBL 036               | 3.0  | 230/400V - 50Hz              | 11.6-7A                    | 1400             | 79 dB               | 133 m <sup>3</sup> /min     | 100 mmH <sub>2</sub> O     |
| CBL 040               | 5.5  | 230/400V - 50Hz              | 21-11.5A                   | 1400             | 82 dB               | 190 m <sup>3</sup> /min     | 140 mmH <sub>2</sub> O     |
| CBL 045               | 11.0 | 400/690V - 50Hz              | 22.3-12.9A                 | 1400             | 86 dB               | 265 m <sup>3</sup> /min     | 180 mmH <sub>2</sub> O     |

\* Disponibili a richiesta con altri voltaggi a 50-60Hz / Available on request with other voltages at 50-60Hz

\*\* A richiesta disponibili altri modelli / Other product types available on request

**DU-SM:** Serranda tagliafumo con incasso e pale inox (a richiesta zincate), profondità 110 (150), alette passo 100, microinterruttore elettrico di fine corsa e fusibile termico 72° inclusi, a richiesta attuatore elettrico 24V oppure pneumatico.

**DU-SM:** Smoke dumper with stainless steel frame and blades (on request zincated iron), depth 110 (150), blade pitch 100, electric limit switch and thermal fuse 72° included, on request 24V DC electric or pneumatic actuator.

**DU-FI:** Serranda tagliafuoco con incasso inox (a richiesta zincato), pale in acciaio inox, profondità 150mm, con attuatore elettrico 24V e termofusibile 72° inclusi, oppure attuatore pneumatico, certificate A60.

**DU-FI:** Fire dumper, with stainless steel frame (on request zincated iron), stainless steel blades, depth 150mm, included of 24V DC electric actuator and thermal fuse 72°, on request pneumatic actuator, certification A60.



DU-SM



DU-FI

**Scalda acqua NB, NB-V:** scambiatori di calore NB e NB-V con serbatoio in acciaio inox AISI 316, in grado di sviluppare una notevole capacità di scambio termico. NB montaggio orizzontale oppure verticale, NB-V montaggio solo verticale.

**Nautic boiler NB, NB-V:** heat exchanger NB and NB-V with stainless steel AISI 316 tank, with a considerable high heat exchange capacity. NB horizontal or vertical mounting, NB-V only vertical mounting.

Scalda acqua (NB)  
Nautic boiler (NB)

| Modello<br>Type | Capacità serbatoio<br>Tank capacity | Materiale<br>Material         | Alimentazione<br>Feeding | Potenza elemento riscaldante<br>Electric element power |
|-----------------|-------------------------------------|-------------------------------|--------------------------|--|
| NB 15           | 15 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 20           | 20 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 25           | 25 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 30           | 30 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 40           | 40 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 50           | 50 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 60           | 60 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 80           | 80 litri / liters                   | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB 100          | 100 litri / liters                  | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 1200 W   |
| NB-V 160        | 160 litri / liters                  | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 2000 W   |
|                 | 160 litri / liters                  | Inox AISI 316 / S.S. AISI 316 | 230/400V - 50Hz          | 4000 W   |
| NB-V 200        | 200 litri / liters                  | Inox AISI 316 / S.S. AISI 316 | 230V - 50Hz              | 2000 W   |
|                 | 200 litri / liters                  | Inox AISI 316 / S.S. AISI 316 | 230/400V - 50Hz          | 4000 W   |

**MEC FLOW / MEC FLOW BDU:** Contaltri meccanico, volumetrico, a 4 cifre con parziale azzerabile, per misurazione gasolio/biodiesel. Precisione  $\pm 1\%$ .

**MEC FLOW / MEC FLOW BDU:** Mechanical flowmeter, 4 digits partial counter display for measuring diesel oil/bio diesel. Accuracy  $\pm 1\%$ .

**PONY FLOW:** Contaltri inox AISI 316 digitale, volumetrico a turbina assiale inox, per misurazione di liquidi alimentari, chimici e in generale per tutti i fluidi, senza corpi solidi, compatibili con l'acciaio inox AISI 316. Precisione  $\pm 1\%$ .

**PONY FLOW:** Stainless steel AISI 316 digital flowmeter with a stainless steel axial turbine for measuring food liquids, chemicals and in general fluids without any solid parts in suspension, compatible with stainless steel AISI 316. Accuracy  $\pm 1\%$ .



MEC FLOW  
MEC FLOW BDU



PONY FLOW

| Modello<br>Type         | Materiali<br>Body material                                       | Uscite<br>Inlet/Outlet | Precisione<br>Accuracy | Pressione max<br>Max pressure | Portata<br>Capacity |
|-------------------------|--|------------------------|------------------------|-------------------------------|---------------------|
| <b>MEC FLOW 3/4"</b>    | Meccanico<br>Mechanical<br>Alluminio<br>Aluminium                | BSP-F 3/4"             | $\pm 1\%$              | 3 bar                         | 20 ÷ 80 l/min       |
| <b>MEC FLOW 1"</b>      | Meccanico<br>Mechanical<br>Alluminio<br>Aluminium                | BSP-F 1"               | $\pm 1\%$              | 3 bar                         | 20 ÷ 80 l/min       |
| <b>MEC FLOW 1" BDU</b>  | Meccanico<br>Mechanical<br>Nylon-Inox-Viton                      | BSP-F 1"               | $\pm 1\%$              | 3 bar                         | 20 ÷ 80 l/min       |
| <b>PONY FLOW 1/2"</b>   | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 1"               | $\pm 1\%$              | 40 bar                        | 3 ÷ 30 l/min        |
| <b>PONY FLOW 3/4"</b>   | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 1"               | $\pm 1\%$              | 40 bar                        | 7 ÷ 70 l/min        |
| <b>PONY FLOW 1"</b>     | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 1" 1/4           | $\pm 1\%$              | 40 bar                        | 10 ÷ 100 l/min      |
| <b>PONY FLOW 1" 1/2</b> | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 1" 1/2           | $\pm 1\%$              | 40 bar                        | 30 ÷ 350 l/min      |
| <b>PONY FLOW 2"</b>     | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 2"               | $\pm 1\%$              | 40 bar                        | 72 ÷ 750 l/min      |
| <b>PONY FLOW 2" 1/2</b> | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 2" 1/2           | $\pm 1\%$              | 40 bar                        | 100 ÷ 1000 l/min    |
| <b>PONY FLOW 3"</b>     | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 3"               | $\pm 1\%$              | 40 bar                        | 150 ÷ 1500 l/min    |
| <b>PONY FLOW 4"</b>     | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 4"               | $\pm 1\%$              | 40 bar                        | 300 ÷ 3000 l/min    |
| <b>PONY FLOW 5"</b>     | Digitale<br>Digital<br>Inox AISI 316<br>Stainless Steel AISI 316 | BSP-M 5"               | $\pm 1\%$              | 40 bar                        | 500 ÷ 5000 l/min    |

Le stazioni di travaso gasolio/olio TS sono il frutto di una attenta progettazione e costituiscono una soluzione moderna ed economica nel settore del rifornimento privato. Facili da installare, versatili e compatte trovano applicazione dove è necessario completare serbatoi mobili o interrati con il gruppo di distribuzione. Le stazioni sono provviste di contaltri e forniscono un'accurata misurazione del prodotto erogato e permettono un pratico ed utile controllo periodico del consumo. TS è fornita con filtro in aspirazione, valvola di fondo con filtro e supporto pistola. La lunghezza del tubo di erogazione è di 4 metri (a richiesta 6 m).

*TS diesel oil/oil transfer stations are the fruit of careful design and are a modern and economical solution for the private refueling sector. Easy to install, versatile and compact, they are used wherever it is necessary to fill mobile tanks or interact with the distribution unit. Stations are equipped with meters and provide an accurate measure of the product dispensed and allow a useful and practical periodic check on consumption. All TS are provided with aspiration filters, check valve with filter and gun support. The length of the dispensing tube is 4 meters (6 meters upon request).*



| Modello<br>Type | Alimentazione<br>Feeding | Portata<br>Capacity | Prevalenza max<br>Head max |
|-----------------|--------------------------|---------------------|----------------------------|
| TS 40           | 12V                      | 40 l/min            | 15 m                       |
|                 | 24V                      | 40 l/min            | 15 m                       |
| TS 60           | 12V                      | 60 l/min            | 15 m                       |
|                 | 230V - 50Hz              | 60 l/min            | 15 m                       |
|                 | 230/400V - 50Hz          | 60 l/min            | 15 m                       |
| TS 80           | 12V / 24V                | 40 - 80 l/min       | 15 m                       |
|                 | 24V                      | 80 l/min            | 15 m                       |
|                 | 230V - 50Hz              | 80 l/min            | 15 m                       |
|                 | 230/400V - 50Hz          | 80 l/min            | 15 m                       |

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