

## Wear resistant submersible drainage pumps for clear water and drainage water.

### H 125, H 130, H 140

#### Application

HOMA H 125, H 130 and H 140 are wear resistant submersible drainage pumps. They are the ideal solution to pump clear water or drainage water with abrasive sand or slurry. They are used to pump surface water from sumps, subway and building sites, for supply of industrial water, applications on board ships etc.

**Installation:** Transportable or permanent. Models with float switch control for automatic pump operation, depending on medium level in the sump.

**Pumped medium:** Clear water or drainage water with abrasive (eg. sand) solids. Max. medium temperature: 35° C, short term up to 60° C.

#### Design

Fully submersible, compact integrated motor-pump unit consisting of:

**Pump:** Single stage centrifugal pump with horizontal discharge

**Impeller:** Open multi-channel impeller, spherical clearance 8–10 mm. The distance between the impeller and casing can be readjusted to maintain maximum performance.

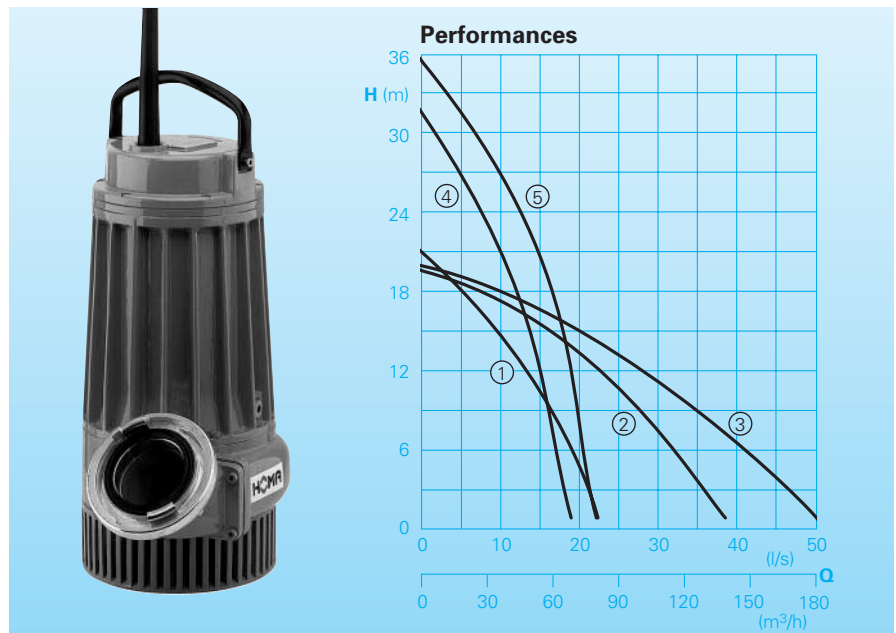
**Motor:** Fully submersible, pressure tight electric motor, oil-filled. Insulation class F. Degree of protection IP 68. Cable connection chamber totally isolated from motor housing.

Cable: H 07 RN-F 7 G 1,5

Model H 125: H 07 RN-F 4 G 1,5

**Shaft/Bearing:** Large diameter stainless steel rotor shaft, pre-lubricated bearings.

**Seals:** Combination of 2 mechanical seals in a separate oil chamber. Oil inspection from outside. Electrical seal control optional. H 125 also available with 3 lip seals.



#### Technical Data

| Curve No. | Pump type       | Motor-input P <sub>1</sub> (kW) | Motor-output P <sub>2</sub> (kW) | Voltage 50 Hz (V) | Discharge   | Nominal current (A) | Spherical clearance (mm) | Weight (kg) |
|-----------|-----------------|---------------------------------|----------------------------------|-------------------|-------------|---------------------|--------------------------|-------------|
| ①         | H 125 D (G) (A) | 3,5                             | 2,8                              | 400-415/3Ph       | BSP2 1/2" M | 7,4                 | 10                       | 36          |
| ②         | H 130 D (A)     | 6,5                             | 5,3                              | 400-415/3Ph       | BSP4 1/2" M | 12                  | 10                       | 63          |
| ③         | H 140 D (A)     | 8,5                             | 7,0                              | 400-415/3Ph       | BSP4 1/2" M | 16                  | 10                       | 72          |
| ④         | H 130 HD (A)    | 6,5                             | 5,3                              | 400-415/3Ph       | BSP4 1/2" M | 12                  | 8                        | 63          |
| ⑤         | H 140 HD (A)    | 8,5                             | 7,0                              | 400-415/3Ph       | BSP4 1/2" M | 16                  | 8                        | 72          |

Speed: 2900 rpm

Cable length: 20 m

Other voltages are available upon request

**Model G:** With mechanical seal (only H 125)

**Model A:** With automatic level control HOMA-Nivomatik

#### Materials:

|   |  |
|---|--|
| Pump housing  | Aluminium rubberized                           |
| Suction sieve, elbow, motor bearing housing, motor housing, motor housing cover | Aluminium                                      |
| Impeller bottom plate   | Cast iron GG 25                                |
| Rotor shaft, screws   | Stainless steel                                |
| Mechanical seals  | Silicon-carbide, Carbon-graphite/ chrome steel |
| Seal kit  | Perbonane                                      |

#### Equipment supplied

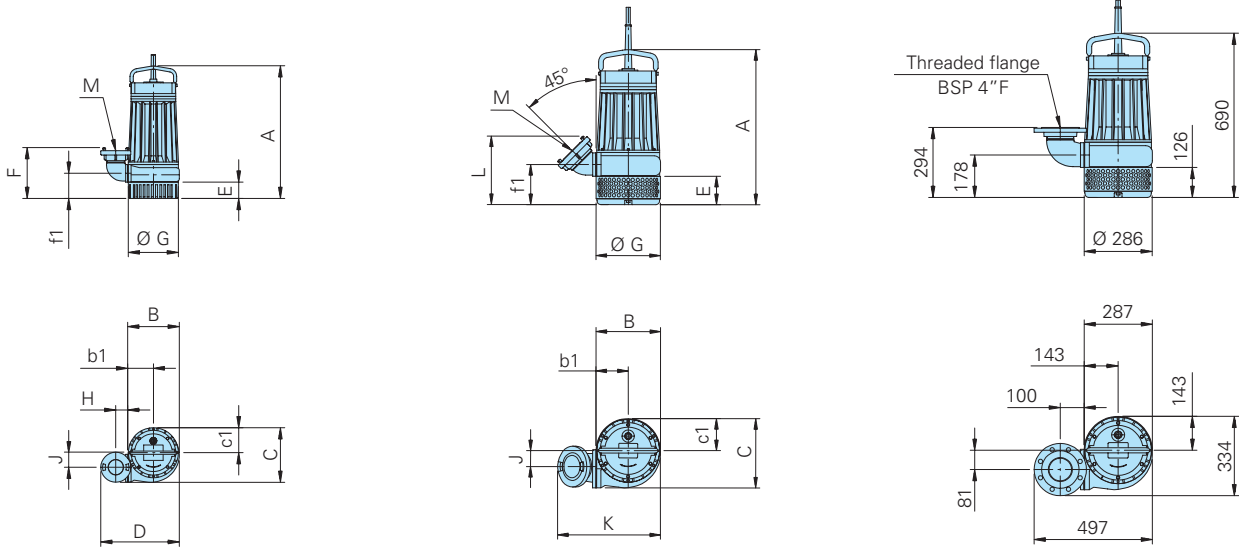
Pump with 90° or 45° elbow (please confirm selection with order), STORZ-fixed coupling H 125: Size B, H 130 and H 140: Size A.

**Model D:** (400–415 V/3 Ph):

Control box fitted with overload protection, on-off-switch and 20 m of cable.

**Model A:** With additional automatic level control, AS-float switch, manual-auto switch

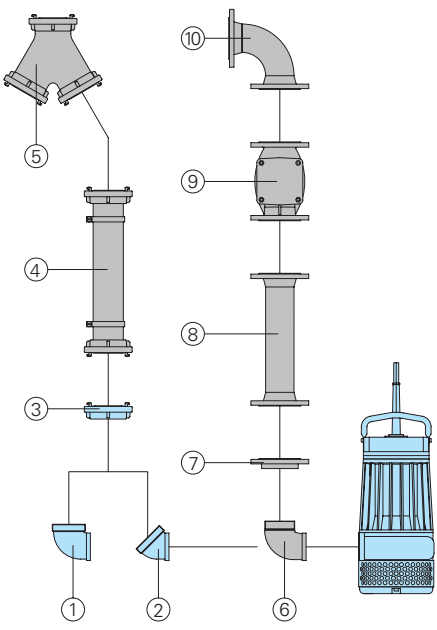
Type H130-140 (H/D)



| Pump type        | A   | B   | b1  | C   | c1  | D   | E   | F   | f1  | G   | H  | J  | K   | L   | M            |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|--------------|
| H 125...         | 558 | 217 | 108 | 230 | 105 | 330 | 69  | 213 | 106 | 210 | 50 | 61 | 336 | 199 | BSP 2 1/2" F |
| H 130.../H140... | 690 | 287 | 143 | 309 | 143 | 460 | 126 | 307 | 178 | 286 | 82 | 71 | 458 | 305 | BSP 4 1/2" F |

all dimensions in mm

Accessories



| Part Description   | Dimension                        | Part-No.           | Part Description   | Dimension     | Part-No.   |
|--|----------------------------------|--------------------|--|---------------|------------|
| ① 90° elbow  | BSP 2 1/2" M                     | Equipment supplied | ⑥ 90° elbow  | BSP 4" M      | 6000830    |
| ② 45° elbow  | BSP 2 1/2" M<br>BSP 4 1/2" M     | Equipment supplied | ⑦ Screwed flange   | DN100/BSP4" F | 2215100    |
| ③ STORZ-fixed coupling                                     | B-BSP 2 1/2" M<br>A-BSP 4 1/2" M | Equipment supplied | ⑧ Flanged discharge pipe with gasket and fixing bolts, per m         | DN100         | 2152201    |
| ④ Synthetic pressure hose with rubber lining and couplings |                                  |                    | Discharge pipe, per additional m                                     | DN 100        | 2150100    |
| B- 75 mm Ø   | 10 m                             | 2611210            | ⑨ Flanged swing check valve with gasket and fixing bolts             | DN 100        | 2212809    |
|  | 15 m                             | 2611215            |  |               |            |
|  | 20 m                             | 2611220            | ⑩ 90° flanged elbow  | DN 100        | 2153303    |
|  | 30 m                             | 2611230            |  |               |            |
| A- 110 mm Ø  | 10 m                             | 2611110            | ○ HOMA-Nivomatik float switch level control conversion kit           |               |            |
|  | 15 m                             | 2611115            | for H 125  | AZD 10/20     | 1925452    |
|  | 20 m                             | 2611120            | for H 130  | AZD 20/20     | 1930452    |
|  | 30 m                             | 2611130            | for H 140  | AZD 30/20     | 1940452    |
| STORZ-hose coupling with spigot                            | B- 75 mm dia.<br>A- 110 mm dia.  | 2013502<br>2013801 | ○ Control panel single or twin pump stations for automatic operation |               | On request |
| Reinforced hose, per m                                     | 75 mm dia.<br>110 mm dia.        | 2632075<br>2632110 |  |               |            |
| Hose band  | 85/20<br>114/20                  | 2308520<br>2311520 |  |               |            |
| ⑤ STORZ-twin inlet with non-return valve                   | A-2B                             | 2016612            |  |               |            |
| STORZ-reducer  | A-B                              | 2015612            |  |               |            |
| ○ Coupling spanner   | A,B,C                            | 2016002            |  |               |            |



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