

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

### H 125

#### Application

HOMA H 125 is wear resistant submersible drainage pump. This is the ideal solution to pump clear water or drainage water with abrasive sand or slurry. This is 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. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

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

Operation: Intermittent

#### 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 10 mm.

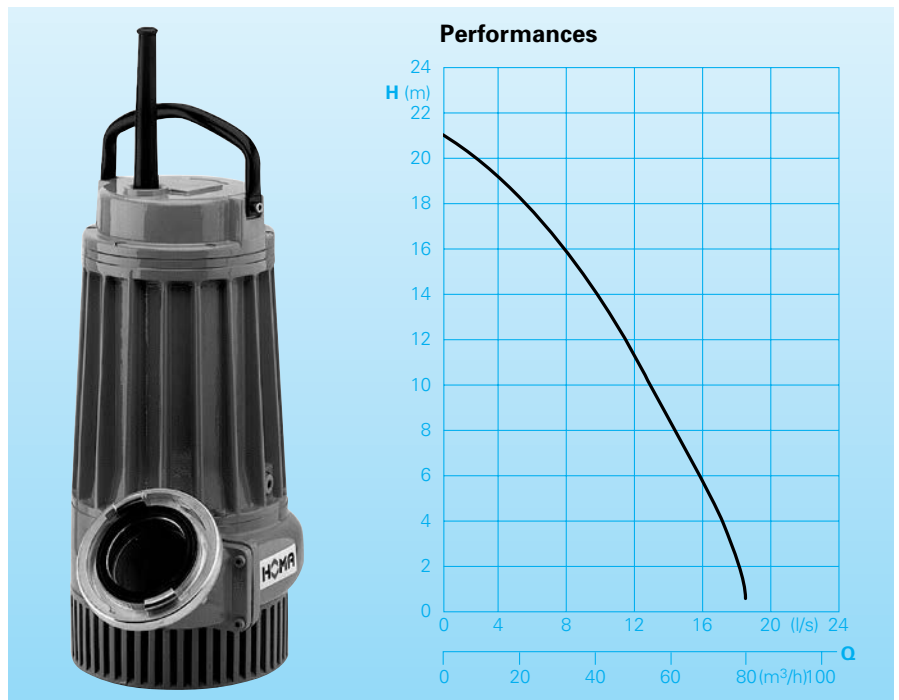
The distance between the impeller and casing can be readjusted to maintain maximum performance.

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

Cable: 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, also available with 3 lip seals.



#### Technical Data

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)
H 125 D (A)	3,5	2,8	400-415/3Ph	BSP2 1/2" M	7,4	10	36

Speed: 2900 rpm  
Cable length: 20 m

Model A: With automatic level control  
HOMA-Nivomatik

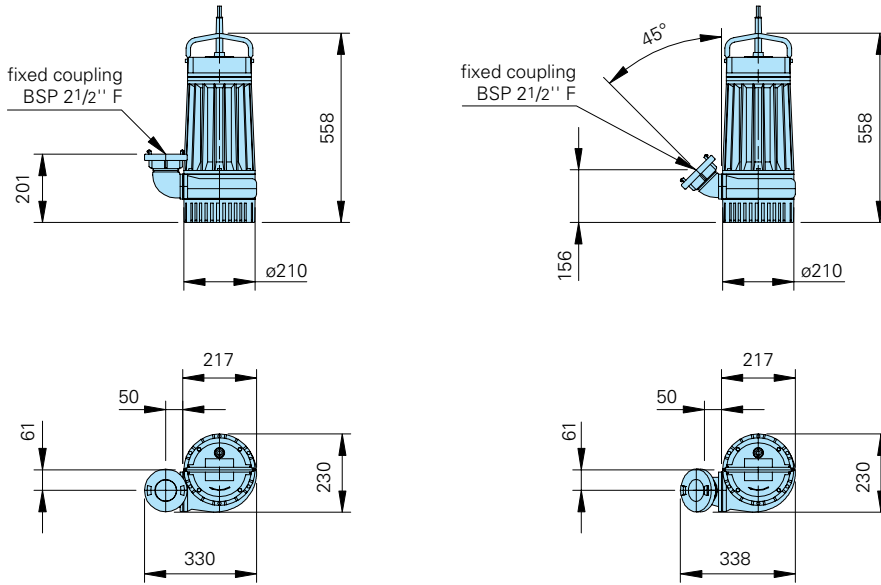
Materials:	
Pump housing	Aluminium rubberized
Suction sieve, elbow, motor bearing housing, motor housing, motor housing cover	Aluminium
Impeller bottom plate	Cast iron GG 25/EN-GJL-250
Rotor shaft, screws	Stainless steel
Mechanical seals	Silicon-carbide, Carbon-graphite/ chrome steel
Seal kit	Perbonane

#### Equipment supplied

Model D (400-415 V/3 Ph):  
Control box D32; DT32(33) fitted with overload protection, on-off-switch, 20 m of cable and phase inverter.  
Pump with 90° or 45° elbow (please confirm selection with order), STORZ-fixed coupling: Size B

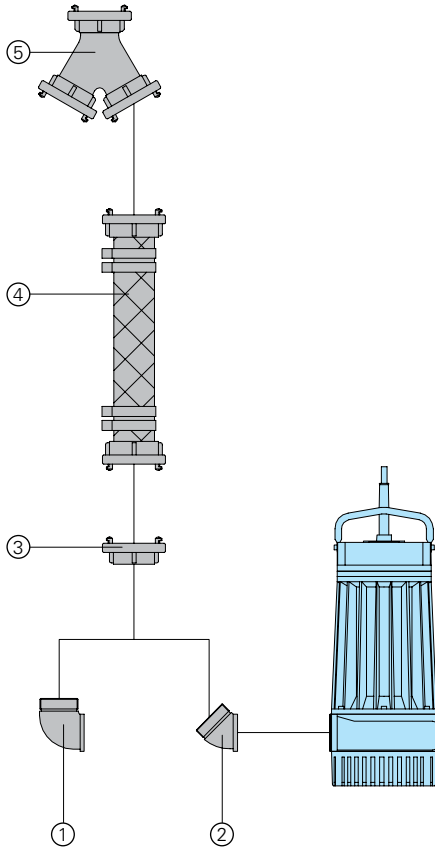
Model A: With additional automatic level control, AS-float switch, with 20 m of cable, manual-auto switch and control box DA20/32(33).

## Dimensions



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	○ HOMA-Nivomatik float switch level control conversion kit	AZD 10/20	1925452
② 45° elbow	BSP 2 1/2" M	Equipment supplied	○ Control panel single or twin pump stations for automatic operation		On request
③ STORZ-fixed coupling	B-BSP 2 1/2" F	Equipment supplied			
④ Synthetic pressure hose with rubber lining and couplings B- 75 mm Ø	10 m 15 m 20 m 30 m	2611210 2611215 2611220 2611230			
STORZ-hose coupling with spigot	B- 75 mm dia.	2013502			
Reinforced hose, per m	75 mm dia.	2632075			
Hose band	85/20	2308520			
⑤ STORZ-twin inlet with non-return valve	A-2B	2016612			
STORZ-reducer	A-B	2015612			
○ Coupling spanner	A,B,C	2016002			

**motralec**

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**HOMA**  
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