

**Submersible pumps
for clear and drainage water.**

H106, H117

Application

Pump for conveying clean or soiled water. Cellar draining, keeping trenches, shafts and rooms dry. Domestic waste water disposal in cellar rooms (e.g. washbasins, showers, washing machines). Reduction of surface water. Emergency deployment for flooding. Water extraction from watercourses.

DIN EN 12050-2: Design tested and monitored.

Installation: Stationary or mobile. Version with float switch for use as automatic water level controlled drainage pump.

Pumped medium: Clear- or drainage water containing solids up to 10 mm particle size. Max. temperature of pumped medium: 40° C, for brief periods up to 60° C.

Operating mode: Continuous operation (S1).

At medium temperature 41-60° C:
Intermittent operation (S3 30%).

Design

Fully submersible pump, consisting of:

Pump: Single-stage centrifugal pump with horizontal discharge.

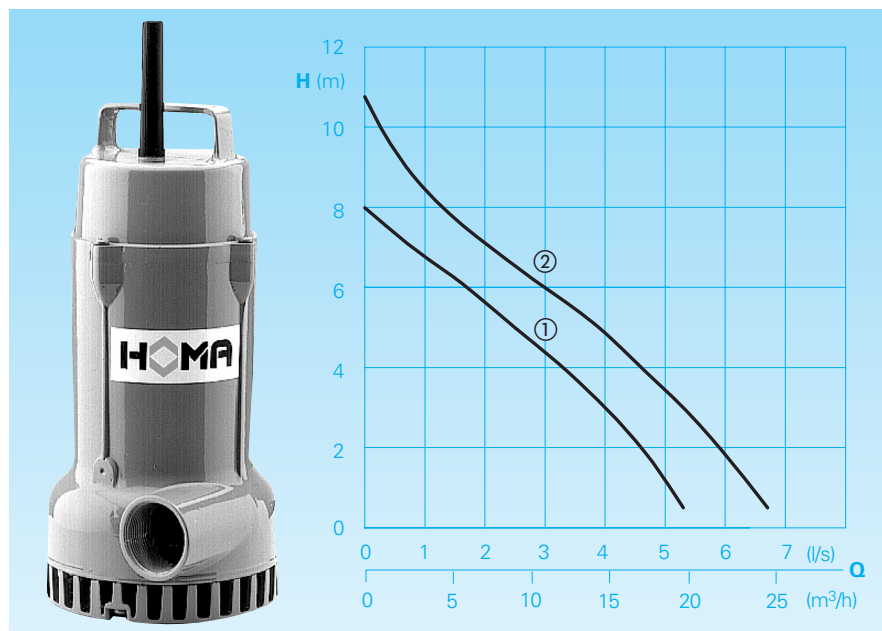
Impeller: Open multi-blade impeller, free passage 10 mm.

Motor: Fully submersible motor, sealed against pressurized water, oil-filled. Insulation class H, Protection rating IP 68. Thermal sensor for temperature monitoring in the winding. Electrical compartment is separate from motor. Connecting cable: H07RN-F3G1

Shaft/bearing: strongly dimensioned chrome steel motor shaft, lifetime-lubricated roller bearings.

Seal: Triple radial seal.

Conveying capacities



Technical data

Curve No.	Pump type	Motor input		Voltage 50 Hz (V)	Nominal current (A)	Weight (kg)
		P ₁ (kW)	P ₂ (kW)			
①	H106 W(A)	0,8	0,5	230/1Ph	4,5	11,0
②	H117 W(A)	1,1	0,6	230/1Ph	5,1	11,0

Rotational speed: 2900 rpm
Discharge: G1 1/2

Model A: with automatic float switch
HOMA-Nivomatik

Materials

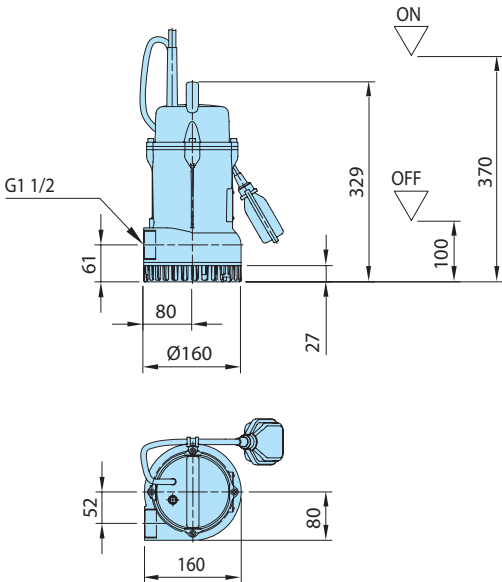
Motor housing, Mmotor housing cover, suction sieve, suction cover	Aluminium
Impeller	Cast iron EN-GJL-250
Motor shaft, screws	Stainless steel
Elastomers	NBR

Scope of supply

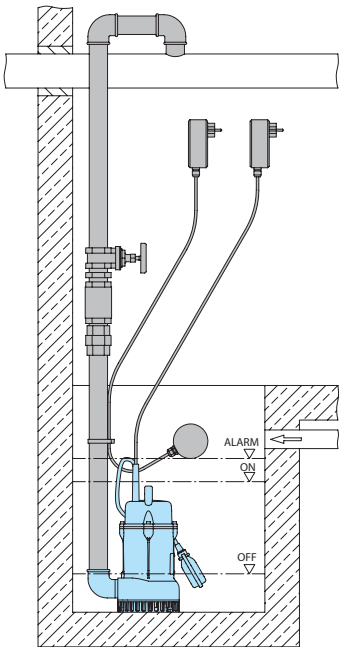
Pump with 10 connecting cable.

Model W (230 V/1 Ph): With switchgear W1, motor protection, ON-OFF switch and mains plug.

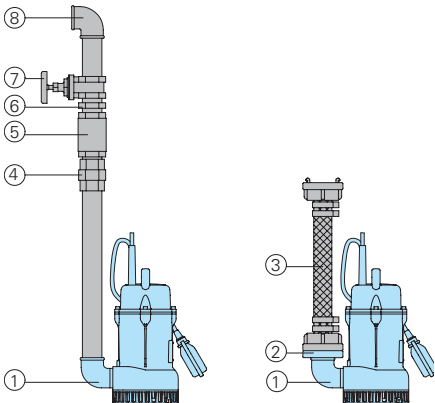
Model A: Additionally with automatic float switch on pump lid, switchgear WA1 with Manual/Auto switch.



Shaft installation with pressure pipe, level control and switchgear



Accessories



Description	Size	Part no.
① Connection bend 90°, galvanized	BSP 1 1/2" F/M	2111505
② Fixed coupling, Brass	BSP 1 1/2" M	2005513
STA-threaded hose-fitting, brass	BSP 1 1/2" M	2001513
STORZ-fixed coupling	C-G 1 1/2" M	2010003
③ PVC-hose, per m	1 1/2" Ø 38 mm	2621500
Plastic spiral hose, per m	1 1/2" Ø 38 mm	2632042
Hose coupling, brass	1 1/2"	2003513
STORZ-hose-coupling	C-38 Ø	2013002
Hose clamp	1 1/2"	2304854
④ Transition screw connection, galvanized	BSP 1 1/2" M/F	2114305
⑤ Non-return valve, Messing	BSP 1 1/2" F	2211313
⑥ Double nipple, galvanized	BSP 1 1/2" M	2009020
⑦ Shut-off gate valve, brass	BSP 1 1/2" F	2216015
⑧ Connection bend 90°, galvanized	BSP 1 1/2" F	2113605
T-piece for merging the pressure pipe in double pump stations, galvanized	BSP 1 1/2" F	2114302

Description	Size	Part no.
○ Fault-current circuit breaker 2-pin, Fi 16/0.03 A		1561160
○ Mains-dependent alarm control unit AL3 with connector for 9 V rechargeable battery (see below) for operation independent of mains power supply, with built-in signal transmitter, float switch and 10 m of cable. Main phase connection 230V/1Ph		1586141
9 V rechargeable battery for mains-independent alarm		1952215
○ For pump controllers and switchgears for mobile and stationary applications, measuring systems and monitoring devices, see HOMA accessories		



We reserve the right to alter our specifications without notice!

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