

Jacket cooled submersible drainage pump for clear water and drainage water. Spherical clearance 20 or 30 mm.

CR360 - 372 V

Application

Pump for pumping dirty water also containing coarse solids and fibre content up to 20 or 30 mm diameter. Compact, lightweight and robust stainless steel design, ideal for waste water disposal in the home or as a portable emergency pump for example in case of flooding. Sufficient motor cooling is ensured even at low water level through the cooling jacket with top-mounted pressure connection.

DIN EN 12050-2: Conformity and design approved and controlled by LGA.

Installation: Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

Pumped liquid: Clear water and drainage water containing soft solids up to 20 or 30 mm spherical clearance. Max. liquid temperature: 35°C, short term up to 60°C.

Operation: Intermittent.

Design

Fully submersible, compact integrated motor-pump consisting of:

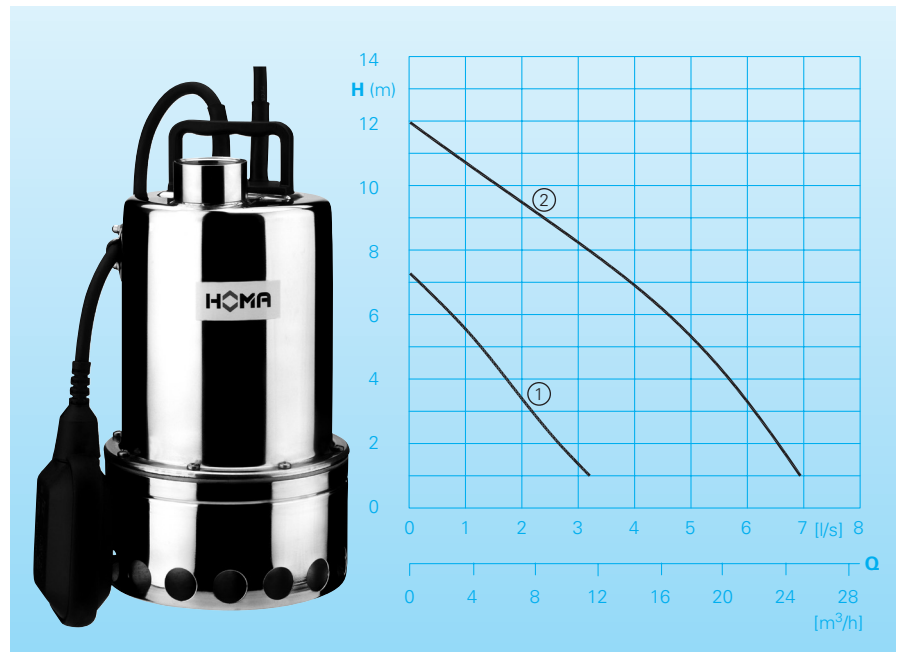
Pump: Single stage stainless steel centrifugal pump with cooling jacket and vertical discharge.

Impeller: Vortex impeller, spherical spherical clearance 20 or 30 mm.

Motor: Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

Shaft seal: Combination of mechanical seal with lip seal.

Performances



Technical Data

Curve No	Pump type	Motor P ₁ (kW)	Motor P ₂ (kW)	Voltage 50 Hz (V)	Nominal current (A)	Spherical clearance (mm)	Discharge	Weight (kg)
①	CR360 V W(A)	0,63	0,45	230/1Ph	2,9	20	G 1¼ IG	6,9
③	CR372 V W(A)	2,2	1,10	230/1Ph	9,5	30	G 2 IG	20,0

Speed: 2900 rpm

Model A: With automatic level control HOMA-Nivomatik

Materials

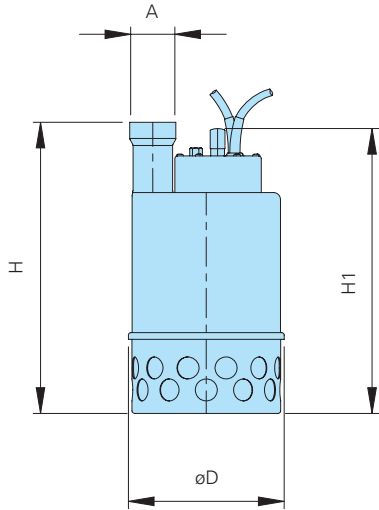
Motor housing, rotor shaft, Pump housing, screws, suction sieve, impeller	Stainless steel 1.4301
Mechanical seal	Carbon-graphite/ chrome-steel
Seal kit	NBR

Equipment supplied

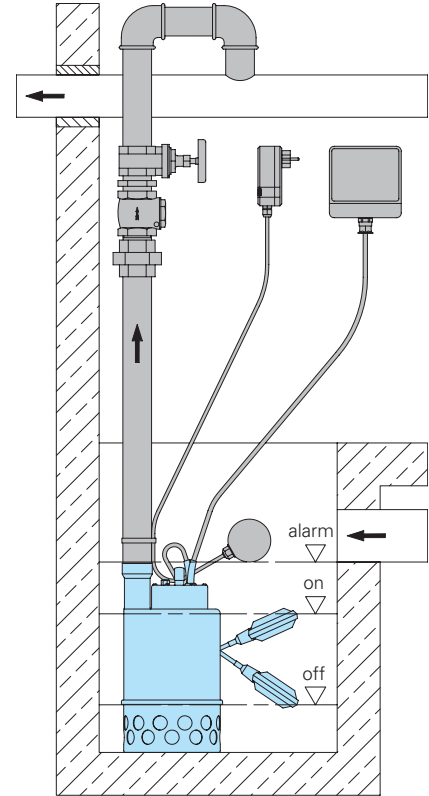
Pump with 10 m of cable and plug. CR372: additionally with switching device, motor protection and ON-OFF switch.

Model A: With automatic level control HOMA-Nivomatik.

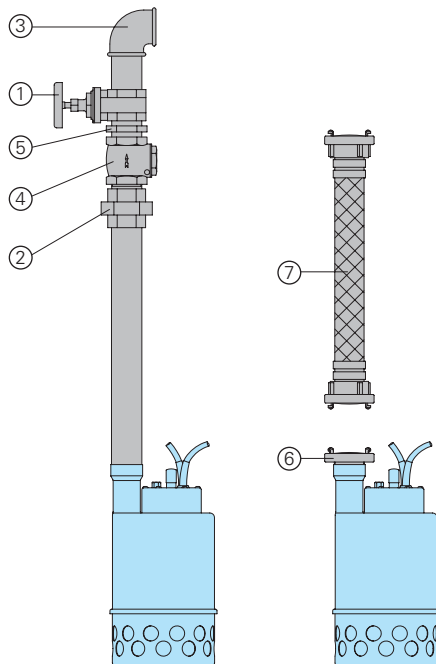
Dimensions and Installations (all dimensions in mm)



Pump type	A	H	H1	øD
CR360 V	G 1 1/4 F	265	285	154
CR372 V	G 2 F	397	389	212



Accessories



Part Description	Dimension	Part No.
① Bronze gate valve	BSP 1 1/4" F	2216012
	BSP 1 1/2" F	2216015
	BSP 2" F	2216020
② Galvanized pipe union	BSP 1 1/4" M/F	2114304
	BSP 1 1/2" M/F	2114305
	BSP 2" M/F	2114311

Part Description	Dimension	Part No.
③ 90° galvanized elbow,	BSP 1 1/4" F	2113604
	BSP 1 1/4" F/M	2111405
	BSP 1 1/2" F	2113605
	BSP 2" F	2113606
T-piece for twin pump arrangement	BSP 1 1/4" F	2114301
	BSP 1 1/2" F	2114302
④ Bronze non-return valve	BSP 1 1/4" F	2211213
	BSP 1 1/2" F	2211313
	BSP 2" F	2211413
⑤ Galvanized double nipple	BSP 1 1/4" M	2009011
⑥ STORZ fixed coupling	BSP 2" F	2114306
	C-BSP 1 1/2" M	2010003
	C-BSP 2" M	2010203
Brass STA-hose coupling	BSP 1 1/4"	2001413
	BSP 1 1/2"	2001513
⑦ PVC-hose, per m	1 1/4" Ø 30 mm	2621200
	1 1/2" Ø 38 mm	2621500
Reinforced hose, per m	1 1/4" Ø 32 mm	2632030
	1 1/2" Ø 38 mm	2632042
STORZ-hose coupling	C-52 mm	2013003
Synthetic pressure	10 m	2611310
Hose with rubber lining and couplings	15 m	2611315
	20 m	2611320
	30 m	2611330
Hose band	1 1/4"	2303252
	1 1/2"	2304854
	2"	2306009

Part Description	Dimension	Part No.
○ HOMA-Nivomatik float switch level control, conversion unit - for 230-240 V/1 Ph	5 m of cable	1435055
	10 m of cable	1430105
○ HOMA 2 poles earth leakage circuit breaker Fi 16/0,03 A		1561160
○ Alarm device AL 3 Mains operated with connector for battery 9V (see below) for mains independent operation with integrated buzzer. Mains connection 230-240 V/ 1 Ph		1586140
Battery for mains-independent operation 9 V		1952215
Float switch MB, mercury free, on or off, with integrated counter weight. Cable length	6 m	1465706
	10 m	1465710
○ Control panel for single or twin pump station for automatic operation		On request



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