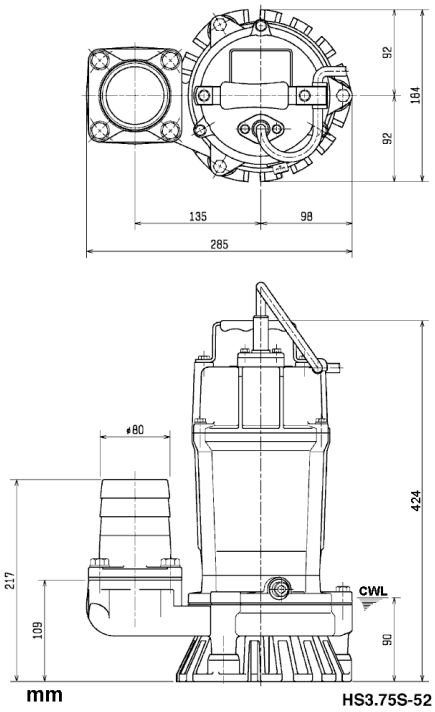
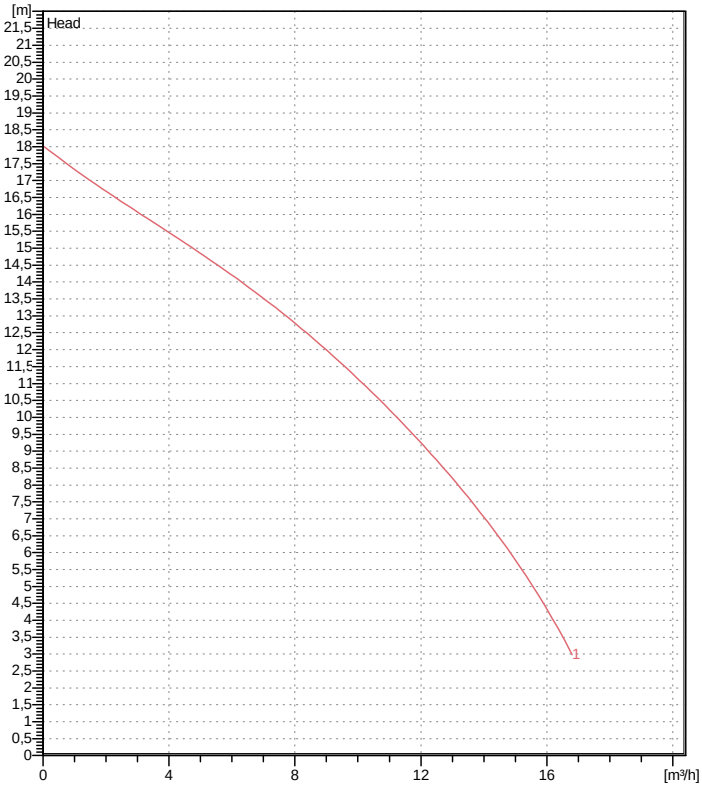
Data sheet HS3.75S-52



CWL: Continuous running water level



Specification

Electric submersible pump
Degree of protection IP 68
Depth of submersion max. 10 m
Type of impeller semi-vortex
Max. solid handling 7 mm
Suitable for:
rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
Insulation class E 2Poles 2830 1/min
Starting mode Directly
Rated voltage 230 V 50 Hz 1~
Power uptake 1,06 kW
Rated power 0,75 kW
Rated current 4,8 A
Start current 14,6 A

Cable

10m H07RN-F 3Cx1mm²

Motor Protection

Miniature protector in windings
(snap-action bi-metal device)

Shaft seal

Double inside mechanical seal in oil bath
additional lubrication by oil lifting device

Primary seal
Silicon carbide on silicon carbide
Secondary seal
Carbon on ceramic

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	Urethane rubber
Pump casing	FCD700 (EN-GJS-700-2)
Motor Frame	Aluminium die casting
Shaft	SUS403 (EN-X6Cr13)

Discharge size

3" (80mm) BS-coupling (threaded flange)

Weight

19,6 kg (dry weight of the pump only without cable)

Heltorfer Str. 14 * 40472 Düsseldorf * Germany
Tel.: +49-211-4179373 sales@tsurumi.eu
Fax: +49-211-417937-480 www.tsurumi.eu

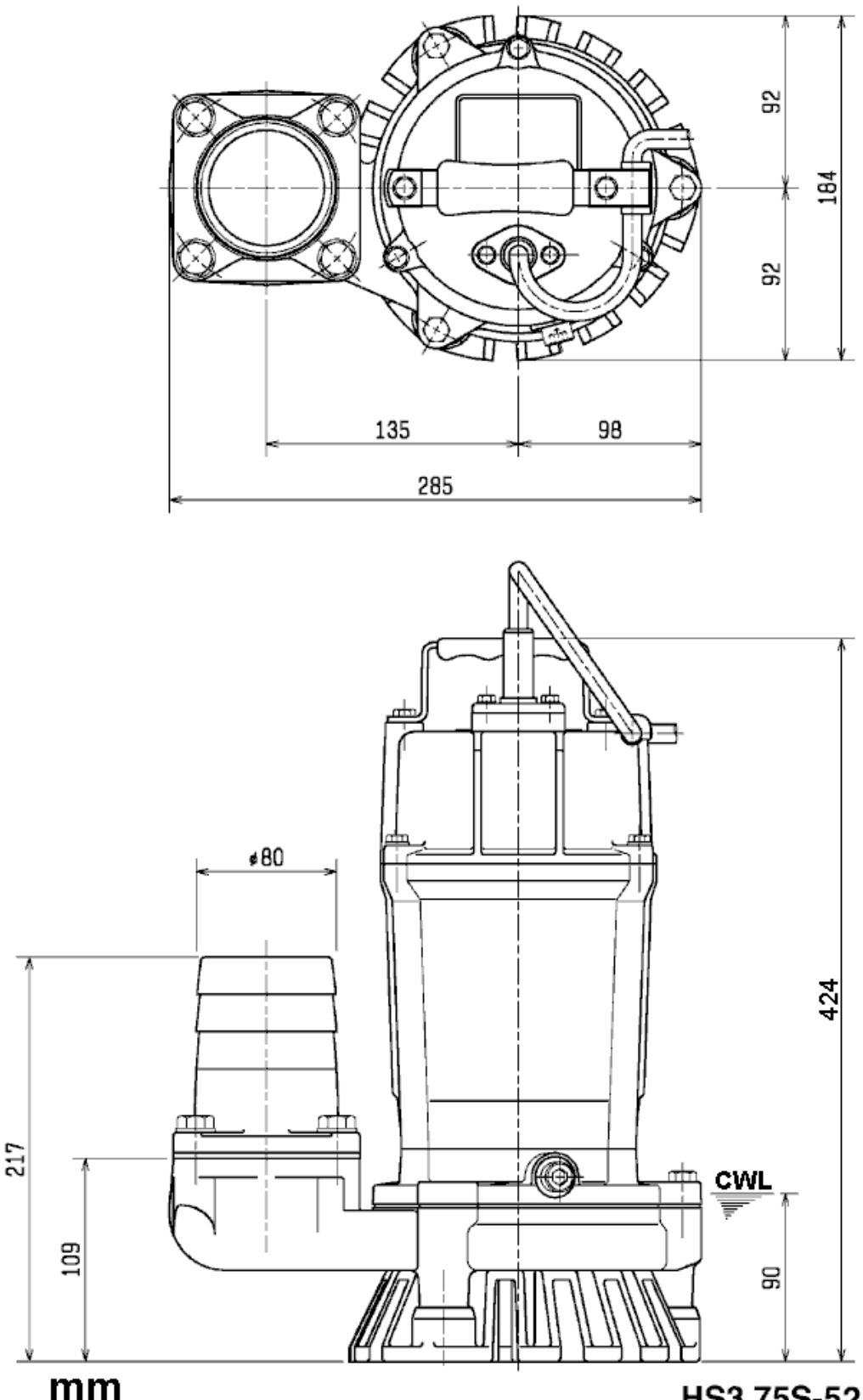
Performance curve
HS3.75S-52

Discharge port	3"
Head	18,0 m
Flow	16,8 m³/h
Rated power	0,75 kW
Power input	1,06 kW
Phases	1~
Voltages	230 V
Frequency	50 Hz
Rated current	4,8 A
Starting current	14,59 A
Number of poles	2
Speed	2830 1/min
Starting mode	Directly
Insulation class	E



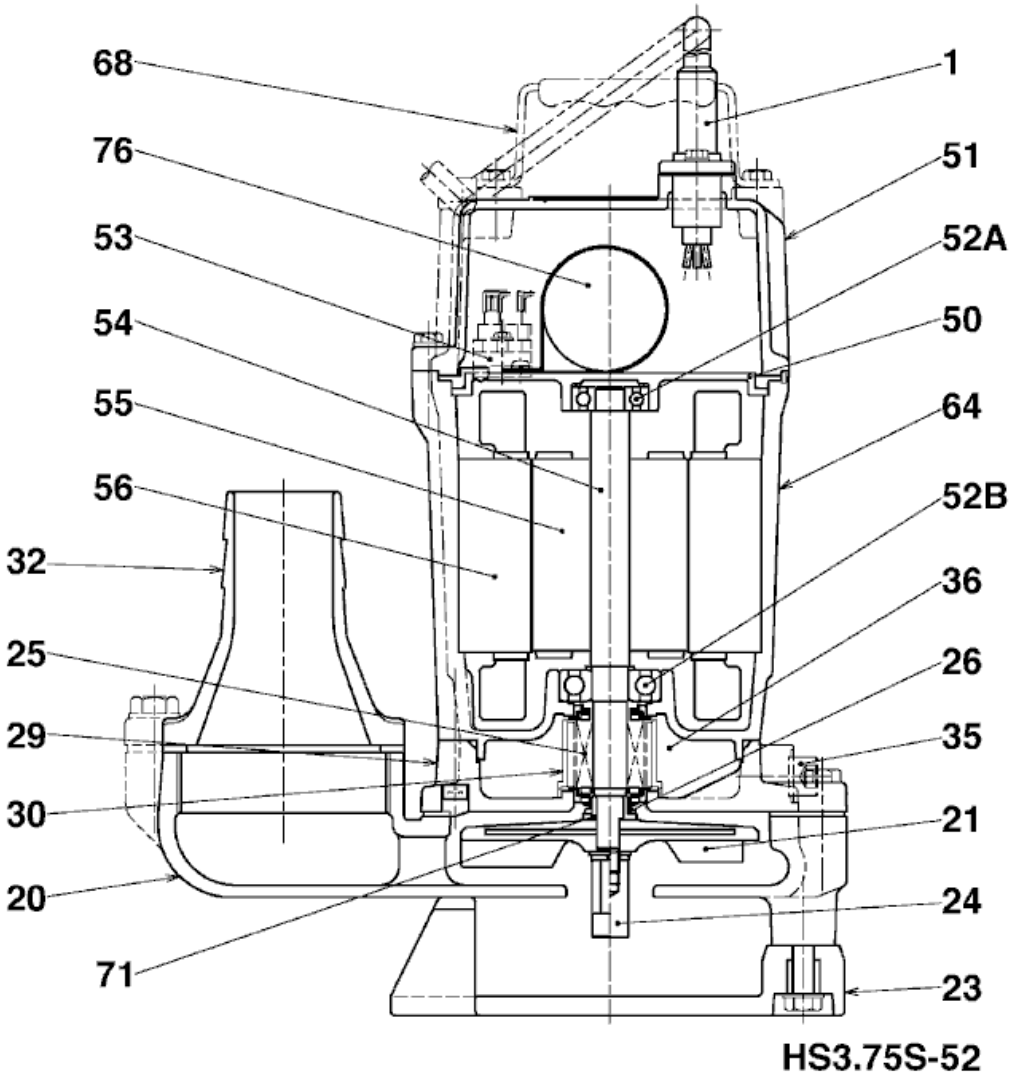
Heltorfer Str. 14 * 40472 Düsseldorf * Germany
Tel.: +49-211-4179373 sales@tsurumi.eu
Fax: +49-211-417937-480 www.tsurumi.eu

Dimensions
HS3.75S-52



CWL: Continuous running water level
LWL: Lowest running water level

Sectional drawing
HS3.75S-52



No.	Description	Remark	No.	Description	Remark
1	Cable	H07RN-F3Cx1mm=x10m	53	Motor Protector 380/400/415V-50Hz KA314-HRXL00 (H.C)	
20	Pump casing	FCD700 (EN-GJS-700-2)	54	Shaft	SUS403 (EN-X6Cr13)
21	Impeller	Urethane rubber	55	Rotor	.
23	Strainer	PVC	56	Stator	.
24	Agitator	Sintered alloy	64	Motor Frame	Aluminium die casting
25	Mechanical seal	W-14VL	68	Handle	Steel plate / natural rubber
26	V-ring	Butadiene-acrylonitrile-rubber	71	Shaft protection sleeve	SUS304 (EN-X5CrNi18-10)
29	Oil casing	FC200 (EN-GJL-200)	76	Condenser	.
30	Oil distributor	Plastic			
32	Discharge coupling	Aluminium die casting			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
50	Motor cover	Aluminium die casting			
51	Main cover	Aluminium die casting			
52A	Upper bearing	6201ZZC3			
52B	Lower bearing	6302ZZC3			

Heltorfer Str. 14 * 40472 Düsseldorf * Germany
Tel.: +49-211-4179373 sales@tsurumi.eu
Fax: +49-211-417937-480 www.tsurumi.eu