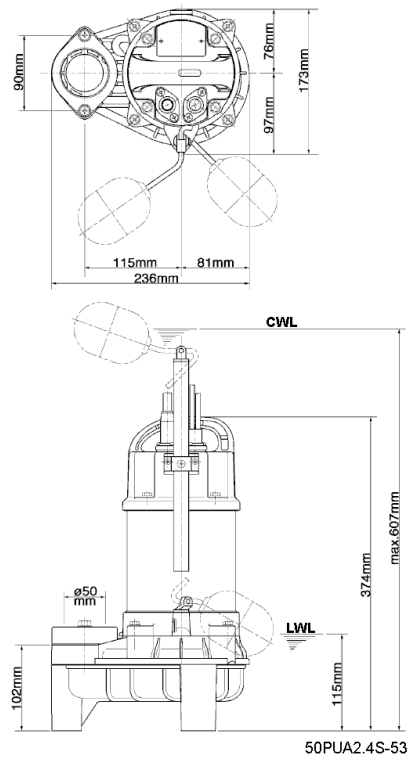
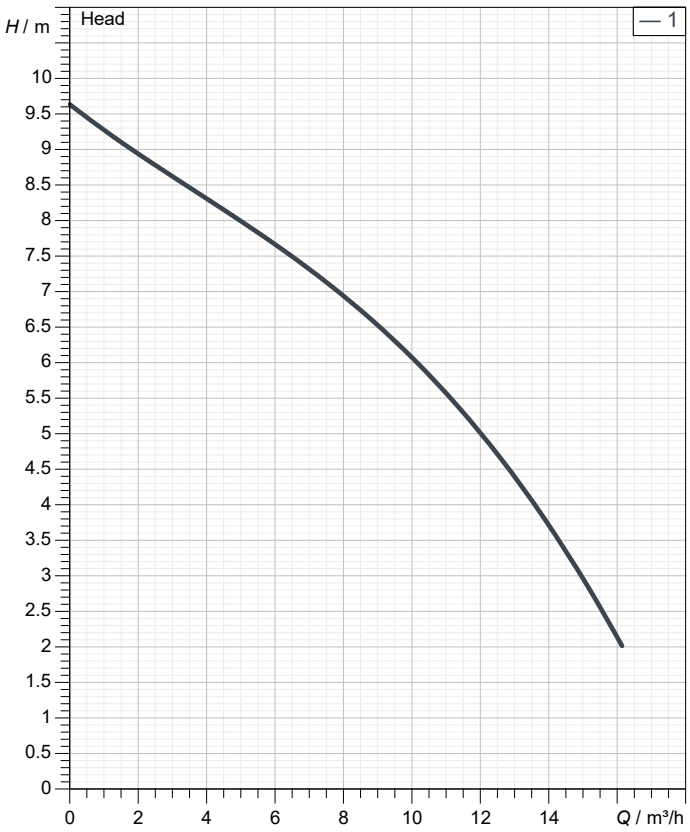
Data sheet 50PUA2.4S-53



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



Specification

Electric submersible pump PU-series

Degree of protection	IP 68
Pressure resistance	max. 10 m
Type of impeller	Vortex impeller
Free passage	35 mm

Suitable for:
sewage water, waste water, various waste water

Electric motor

Dry-type submersible induction motor

Insulation class	E	2Poles	2792 1/min	
Starting mode				
Rated voltage	230 V	50 Hz	1~	
Power uptake	0.62 kW			
Rated power	0.40 kW			
Rated current	3.1 A			
Start current	8.7 A			

Cable

10m H07RN8-F 3Cx1mm²

Motor Protection

Circle thermal protector
(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 ceramic

Secondary seal
Ceramic on carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	PPO-GF20
Pump casing	ABS-GF20
Motor Frame	SUS304 (EN-X5CrNi18-10)
Shaft	SUS304 (EN-X5CrNi18-10)

Discharge size

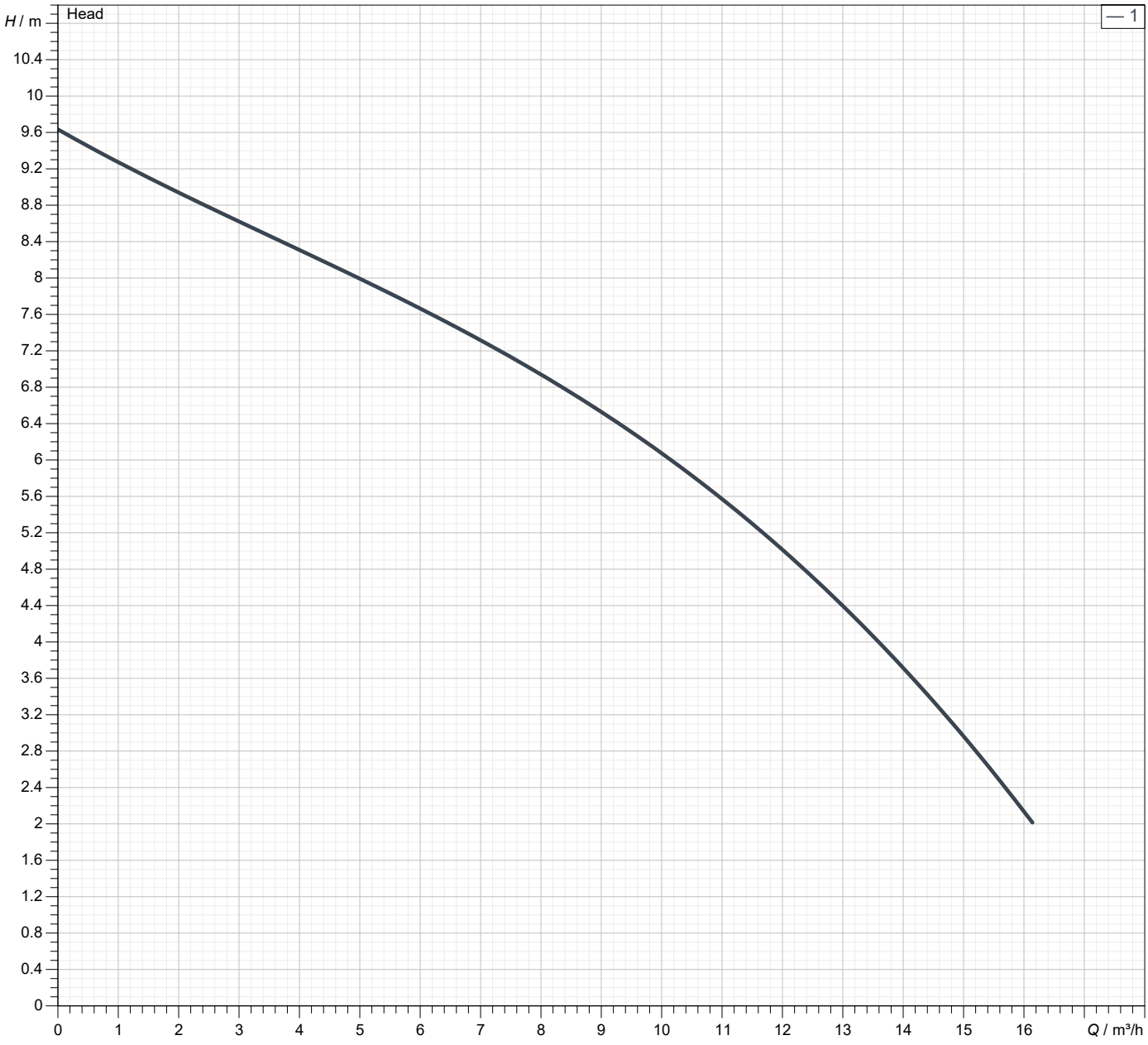
50mm screwed-in mating flange

Weight

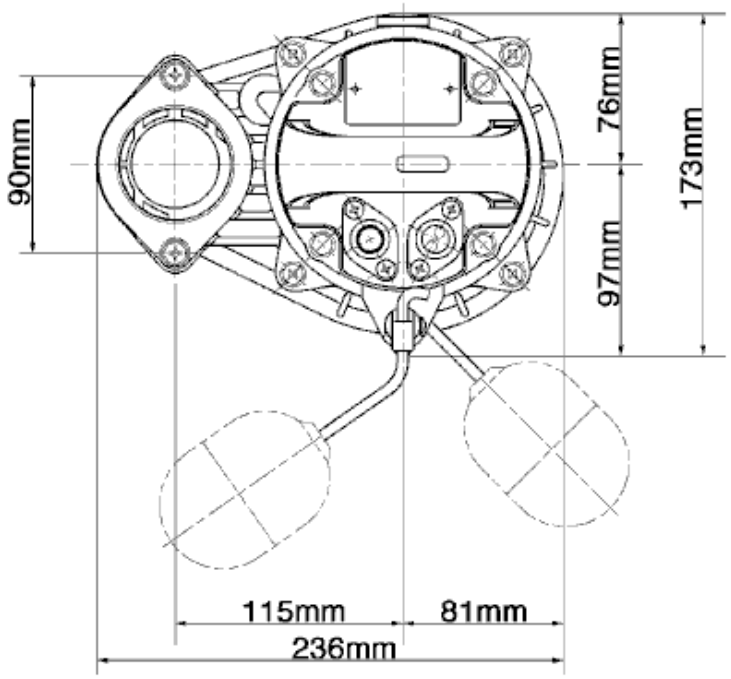
7.7 kg (dry weight of the pump only without cable)

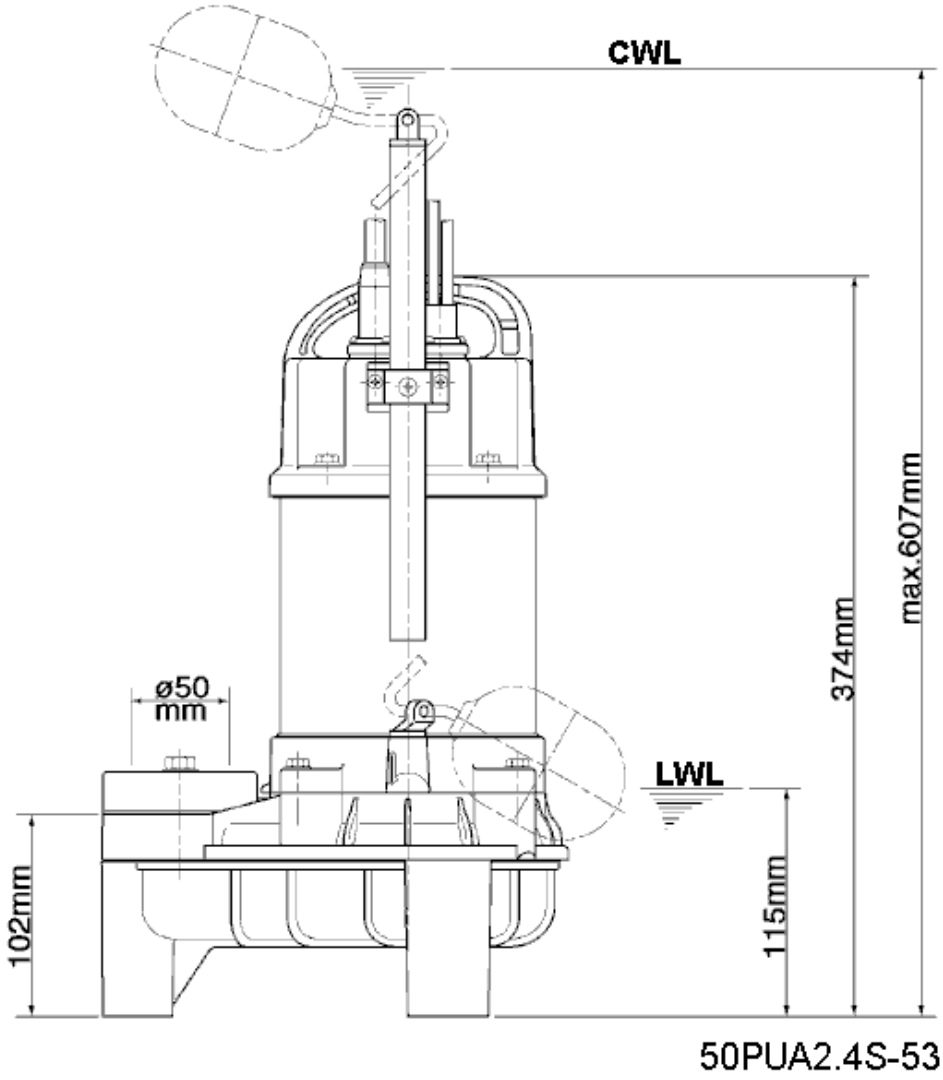
Performance curve
50PUA2.4S-53

Discharge port	2"
Head	9.6 m
Flow	16.1 m³/h
Rated power	0.40 kW
Power input	0.62 kW
Phases	1~
Voltages	230 V
Frequency	50 Hz
Rated current	3.1 A
Starting current	8.71 A
Number of poles	2
Speed	2792 1/min
Starting mode	
Insulation class	E



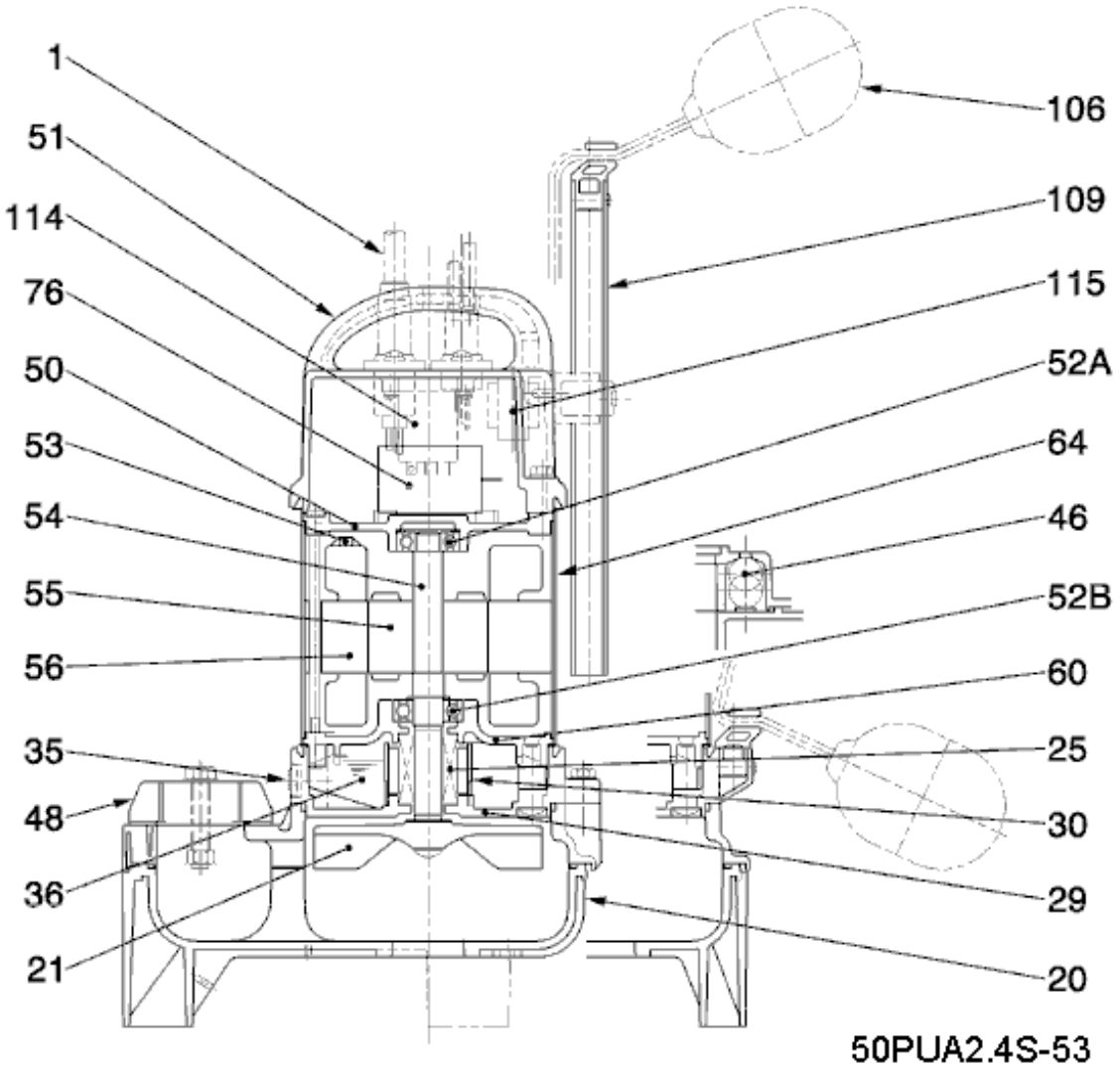
Dimensions
50PUA2.4S-53





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

Sectional drawing
50PUA2.4S-53



No.	Description	Remark	No.	Description	Remark
1	Cable	H07RN-F	55	Rotor	.
20	Pump casing	ABS-GF20	56	Stator	.
21	Impeller	PPO-GF20	60	Bearing Housing	Aluminium die casting
25	Mechanical seal	W-14HL	64	Motor Frame	SUS304 (EN-X5CrNi18-10)
29	Oil casing	PPS-(GF+MD)50	76	Condenser	.
30	Oil distributor	Plastic	106	Float switch (2x)	ABS
35	Oil screw	SUS304 (EN-X5CrNi18-10)	109	Support	PVC
36	Lubricant	white oil (ISO VG32)	114	Relais	.
46	Air vent valve	Glass bead	115	Transformator	.
48	Screwed Flange	PC(PBT-GF30)			
50	Motor cover	Steel plate			
51	Main cover	PPS-GF40			
52A	Upper bearing	6201ZZC3			
52B	Lower bearing	6202ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			
54	Shaft	SUS304 (EN-X5CrNi18-10)			

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