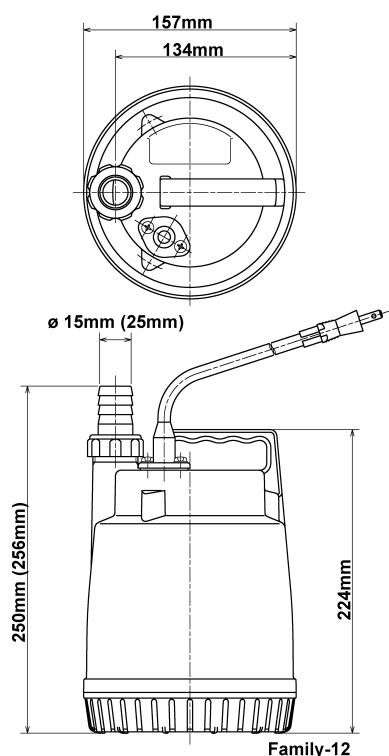


Data sheet Family-12



Specification

Electric submersible pump
 Degree of protection IP 68
 Pressure resistance max. 5 m
 Type of impeller
 Max. solid handling 6 mm
 Suitable for:
 spring and rain water

Electric motor

Dry-type submersible induction motor
 Insulation class E 2Poles 2670 1/min
 Starting mode
 Rated voltage 230 V 50 Hz 1~
 Power uptake 0,16 kW
 Rated power 0,10 kW
 Rated current 1,3 A
 Start current 2,3 A

Cable

10m H07RN-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 silicon carbide
 Secondary seal
 Ceramic on carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	Plastic with glass fibers
Pump casing	AAS
Motor Frame	Aluminium alloy casting
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

1" (25mm) hose coupling

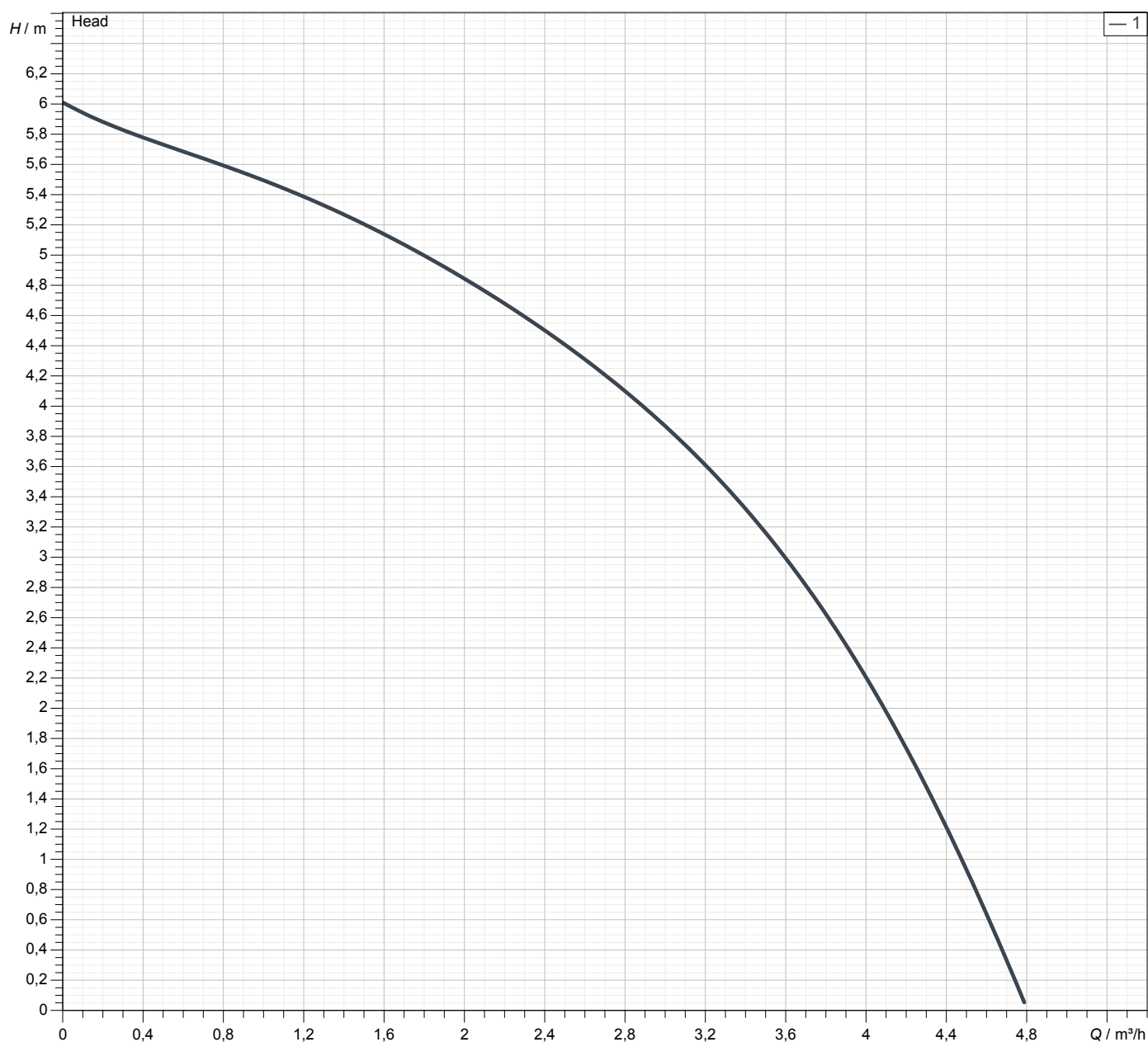
Weight

3,4 kg (dry weight of the pump only without cable)

Performance curve

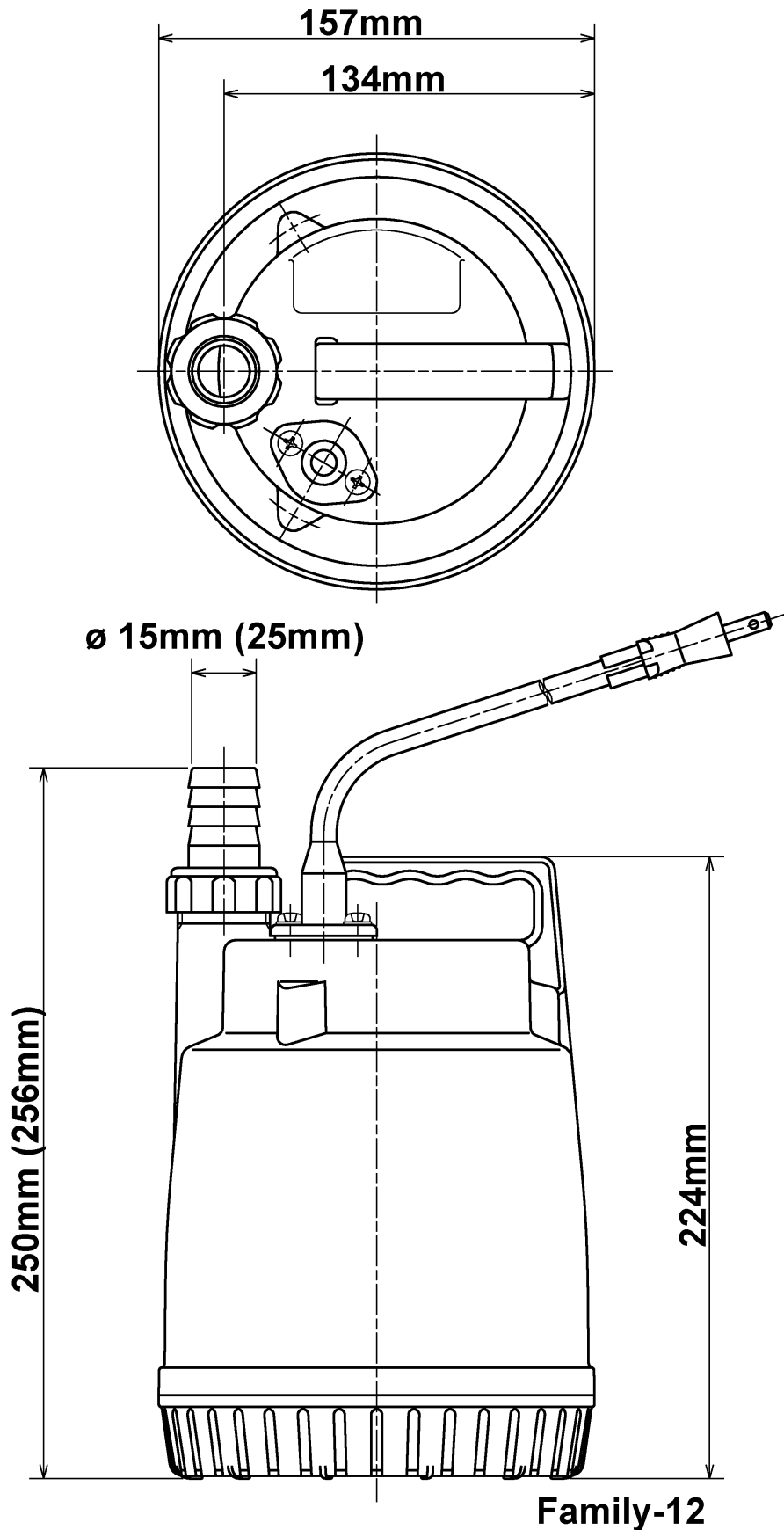
Family-12

Discharge port	DN 25
Head	6,0 m
Flow	4,8 m³/h
Rated power	0,10 kW
Power input	0,16 kW
Phases	1~
Voltages	230 V
Frequency	50 Hz
Rated current	1,3 A
Starting current	2,32 A
Number of poles	2
Speed	2670 1/min
Starting mode	
Insulation class	E



Dimensions

Family-12

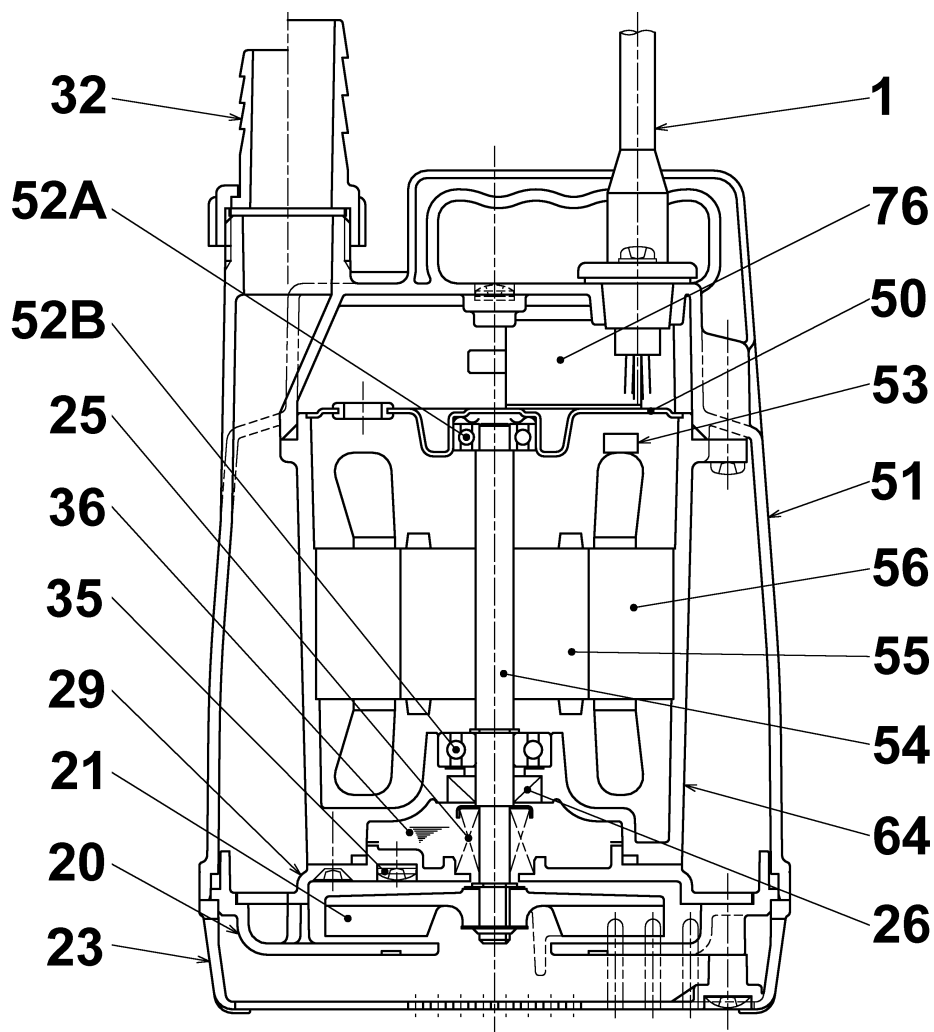


Family-12

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

Sectional drawing

Family-12



Family-12

No.	Description	Remark	No.	Description	Remark
1	Cable	H07RN-F	55	Rotor	.
20	Pump casing	AAS	56	Stator	.
21	Impeller	Plastic with glass fibers	64	Motor Frame	Aluminium alloy casting
23	Strainer	AAS	76	Condenser	.
25	Mechanical seal	EA560-8			
26	Oil seal	SC10257			
29	Oil casing	Aluminium alloy casting			
32	Discharge coupling	AAS			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	white oil (ISO VG15)			
50	Motor cover	Steel plate			
51	Main cover	AAS			
52A	Upper bearing	608ZZ			
52B	Lower bearing	6200ZZ			
53	Circle thermal protector	.			
54	Shaft	SUS420J2 (EN-X30Cr13)			