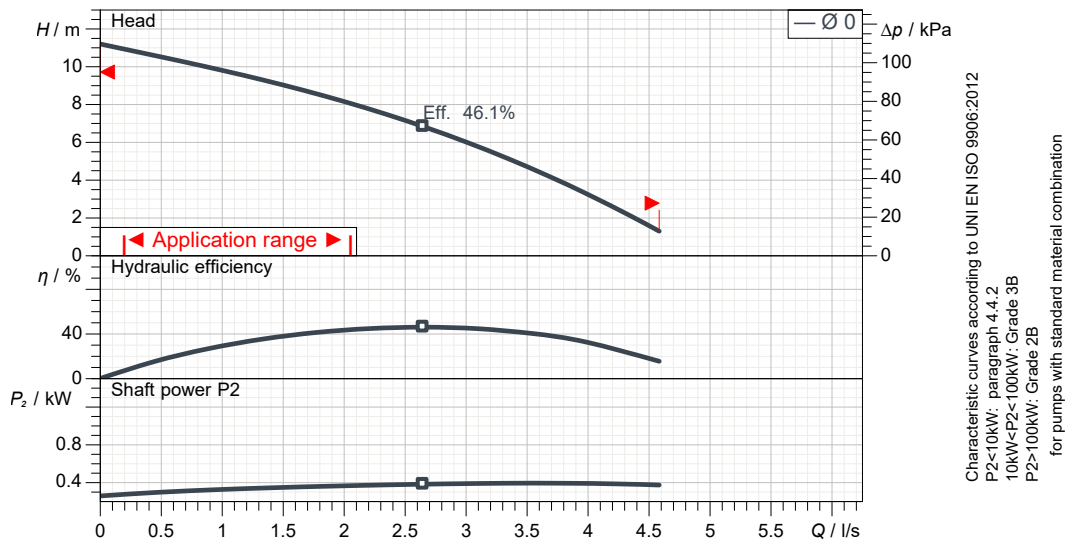


Technical specification

3~ 50 Hz


Pump

Series	SFQ
Pump name	50SFQ2.4-52 380V
Standard	

Motor data

Motor	TKN-4CL 380-50/60
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P_2	0.40 kW
Rated current	1.2 A
rpm	2860 1/min
Rated torque	1.3 Nm
Start*	Direct starting

Degree of protection	IP 68
Insulation class	E
Protection device	Circle thermal protector
Type of oil	Turbine oil VG32
Oil amount	0.125

Hydraulic

Free passage	6 mm
Impeller type	Semi-open impeller
Max. hydraulic efficiency	46.1 %
Discharge	50 mm
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. liquid temperature	40 °C
Max. density treated liquid	1030 kg/m ³
pH treated liquid	3-10
Max. start per hour (equally distributed)	10
Wet/dry use	WET
Operating mode	S1

Construction materials

Motor enclosure	316 Stainless Steel Casting
Shaft	316 Stainless Steel
Pump Casing	316 Stainless Steel Casting
Impeller	316 Stainless Steel Casting
Suction Cover	316 Stainless Steel Casting
Suction plate	N/A
Painting	N/A
Screws	316 Stainless Steel
Gaskets	FKM

Construction features

Power cable1	4C*1.25mm ²
Power cable2	N/A
Sheath	VCT
Control cable	N/A
Sheath	N/A
Cable length*	6
Mechanical seals	X-16W
Weight**	20 kg

* Please inquire about cable extensions
 ** cable's weight not included

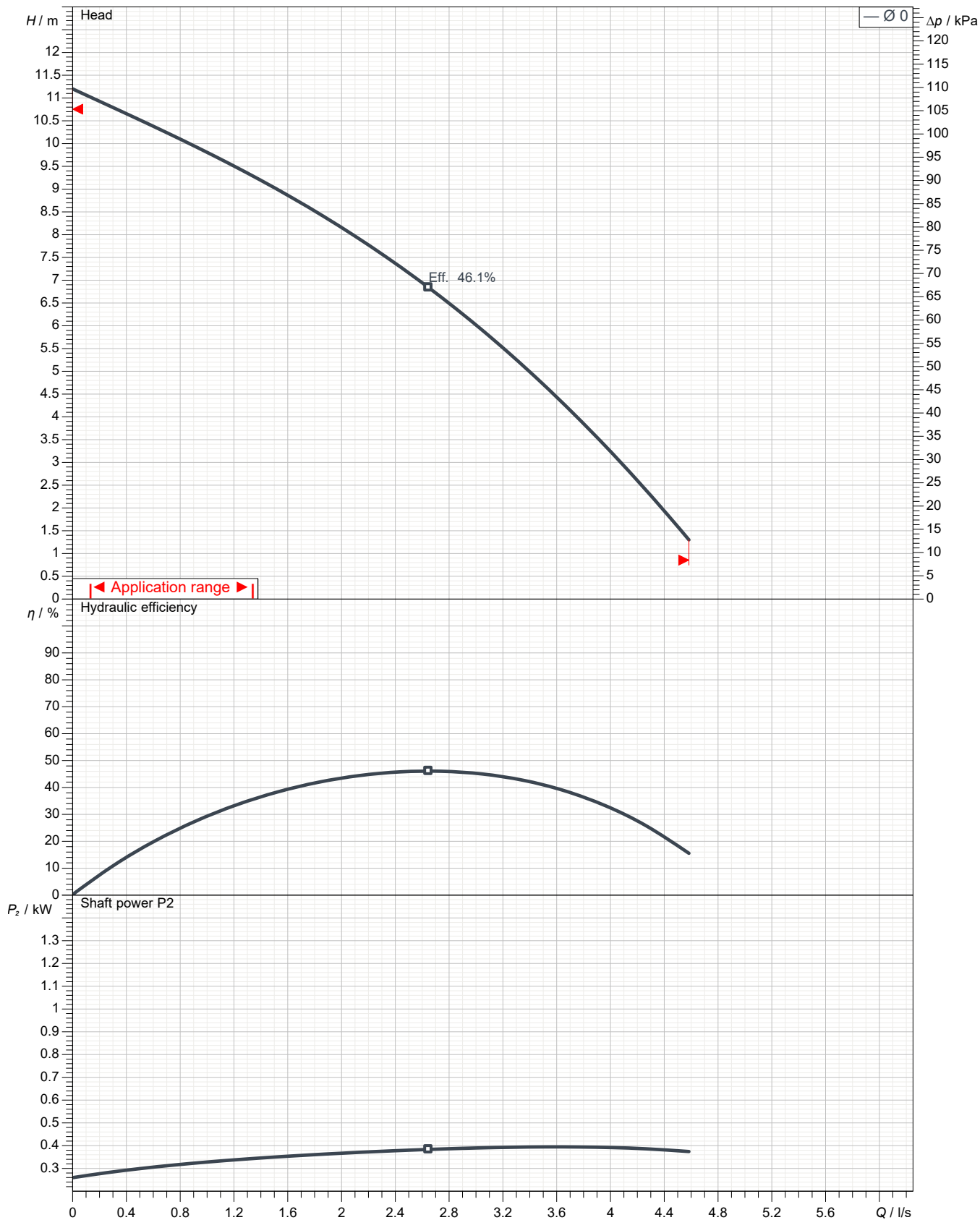
Monitoring features

Monitoring option	
leaking sensor -	N/A
monitoring equipment -	

Pump performance curves

3 ~ 50 Hz

Discharge 50 mm	Head	Capacity	Rated power 0.4 kW	Voltage 380 V	Current 1.2 A	rpm 2860 1/min
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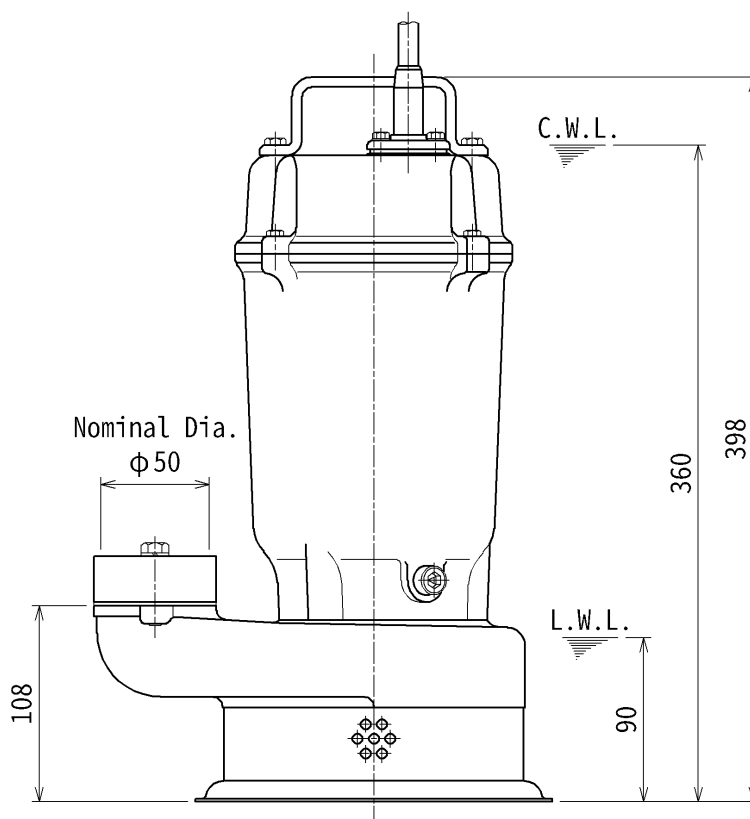
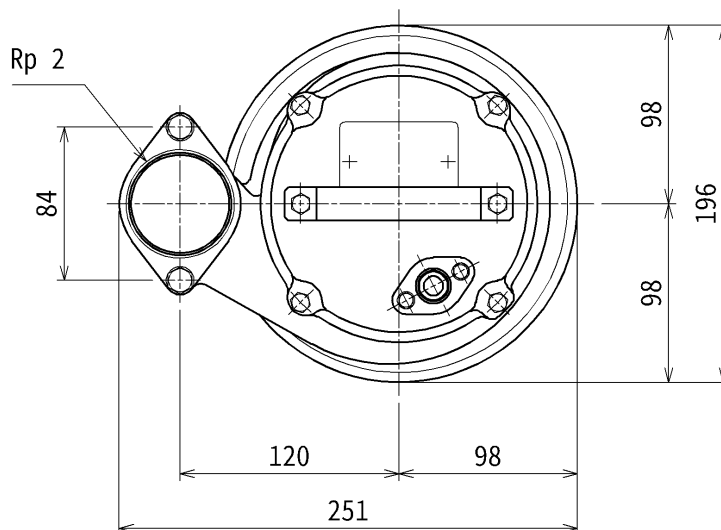


Characteristic curves according to UNI EN 9906:2012 for pumps with standard material combination
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

D I M E N S I O N D R A W I N G		No.		No.	A-20234-2
TYPE Submersible Cast Stainless Steel Wastewater Pump		MODEL	50SFQ2.4 -52/62 50SFQ2.75 -52/62		

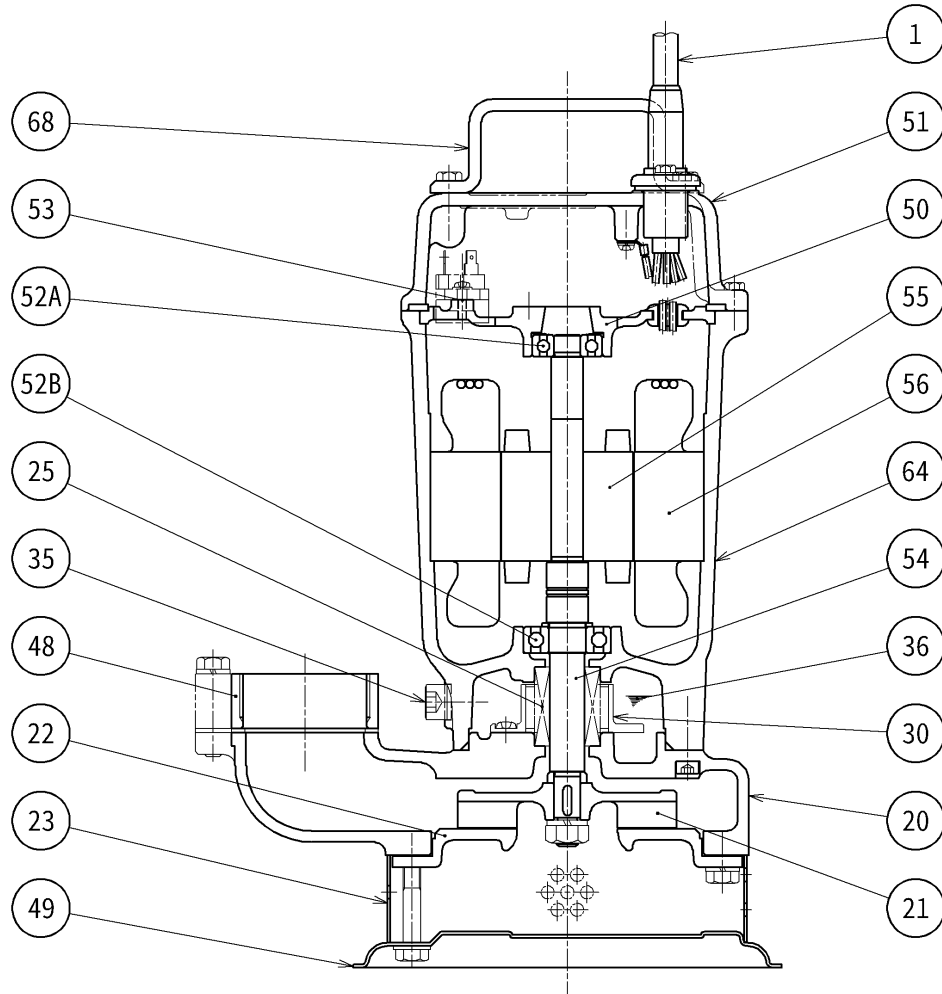
M O D E L	Approximate Weight(※)
50SFQ2.4 -52/62	20kg
50SFQ2.75-52/62	22kg

※excluding cable



C.W.L.:Continuous running Water Level
L.W.L.:Lowest running Water Level

SECTIONAL DRAWING		No.	No.	A-20237-3
TYPE	Submersible Cast Stainless Steel Wastewater Pump	MODEL	50SFQ2.4 -52/62 50SFQ2.75 -52/62	



REQ. SPECIFICATION

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cable	1	PVC Sheath	51	Head Cover	1	316 Stainless Steel Casting
20	Pump Casing	1	316 Stainless Steel Casting	52A	Upper Bearing	1	6201ZZC3
21	Impeller	1	316 Stainless Steel Casting	52B	Lower Bearing	1	6203ZZC3
22	Suction Cover	1	316 Stainless Steel Casting	53	Motor Protector	1	
23	Strainer	1	316 Stainless Steel	54	Shaft	1	316 Stainless Steel
25	Mechanical Seal	1	X-16W	55	Rotor	1	
30	Oil Lifter	1	Plastic	56	Stator	1	
35	Oil Plug	1	316 Stainless Steel	64	Motor Frame	1	316 Stainless Steel Casting
36	Lubricant		Turbine Oil(ISO VG32)	68	Handle	1	316 Stainless Steel
48	Screwed Flange	1	316 Stainless Steel Casting				
49	Bottom Plate	1	316 Stainless Steel				
50	Motor Bracket	1	Gray Iron Casting 150				