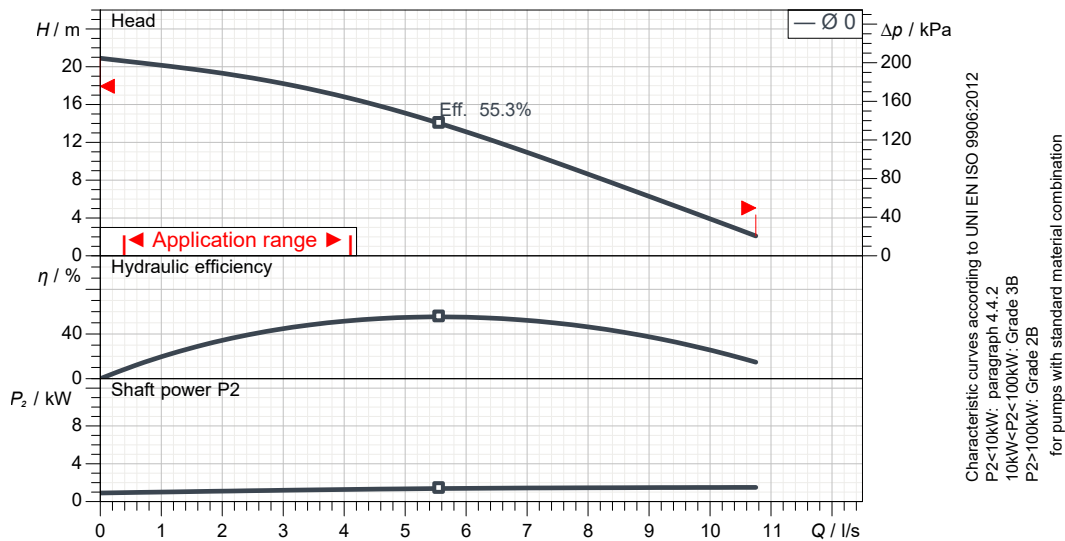


80SFQ21.5-53 380-415V
Technical specification
3~ 50 Hz

Pump

Series	SFQ
Pump name	80SFQ21.5-53 380-415V
Standard	

Motor data

Motor	JT1-2-1.5-SFQ 400V D UL
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	1.50 kW
Rated current	4.0 A
rpm	2916 1/min
Rated torque	4.9 Nm
Start*	Direct starting

Degree of protection	IP 68
Insulation class	F
Protection device	Circle thermal protector
Type of oil	Turbine oil VG32
Oil amount	0.9

Hydraulic

Free passage	6 mm
Impeller type	Semi-open impeller
Max. hydraulic efficiency	55.3 %
Discharge	80 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)	6
Wet/dry use	WET
Operating mode	S1

Construction materials

Motor enclosure	316 Stainless Steel Casting
Shaft	316 Stainless Steel (wetted part)
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-18W
Weight**	36 kg

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

Monitoring features

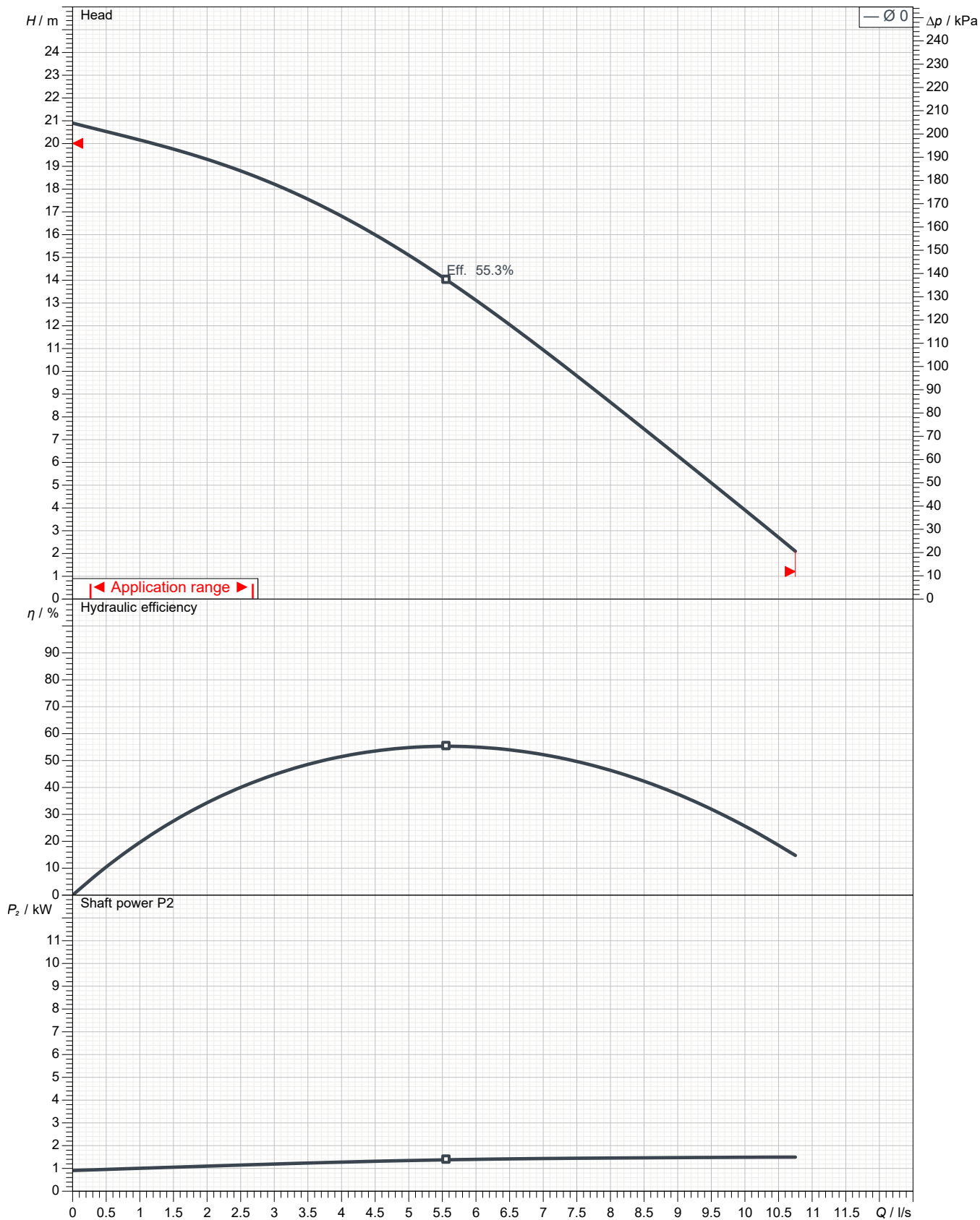
Monitoring option	
leaking sensor -	N/A
monitoring equipment -	N/A

80SFQ21.5-53 380-415V

Pump performance curves

3 ~ 50 Hz

Discharge	Head	Capacity	Rated power	Voltage	Current	rpm
80 mm			1.5 kW	380 V	4.0 A	2916 1/min

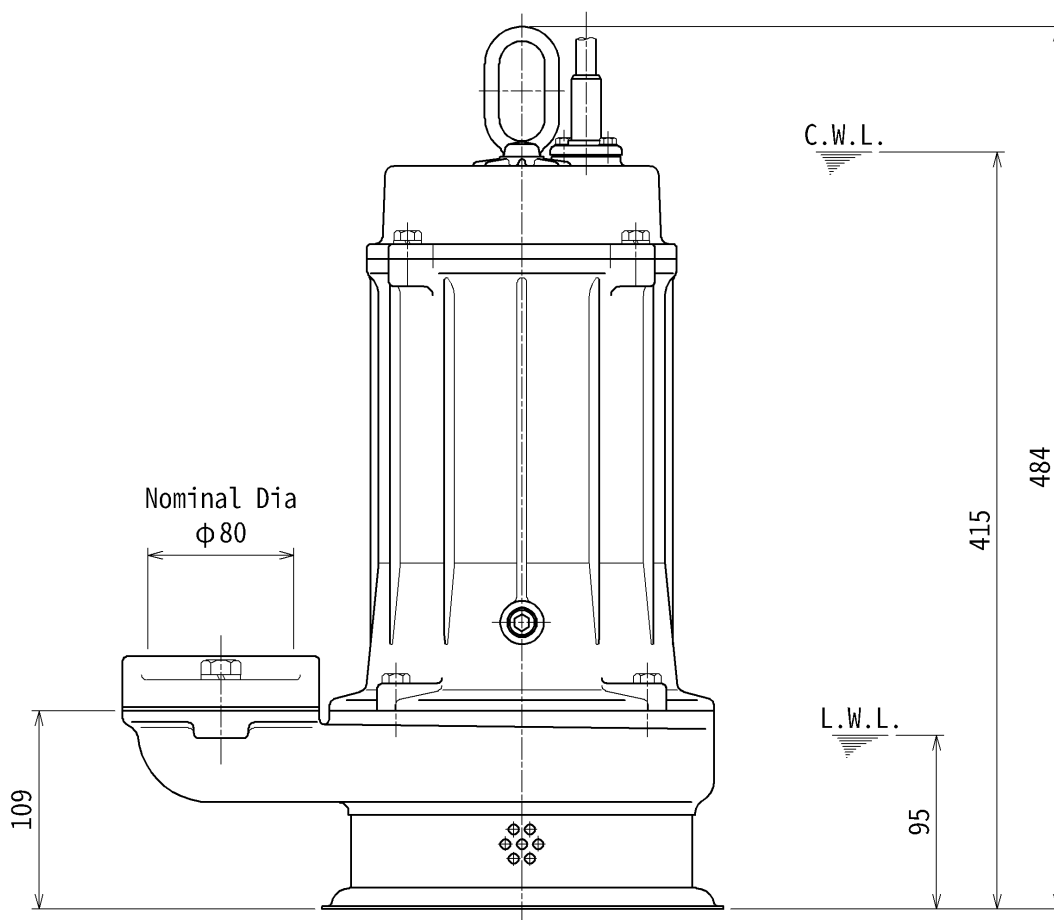
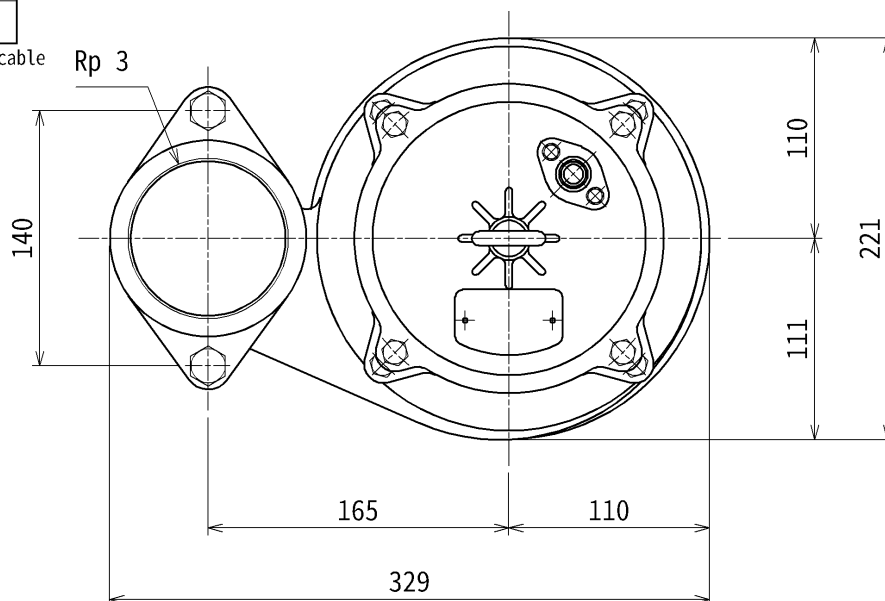


Characteristic curves according to UNI EN 9906:2012 for pumps with standard material combination
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

DIMENSION DRAWING		No.	No.
TYPE Submersible Cast Stainless Steel Wastewater Pump		MODEL	80SFQ21.5 -53

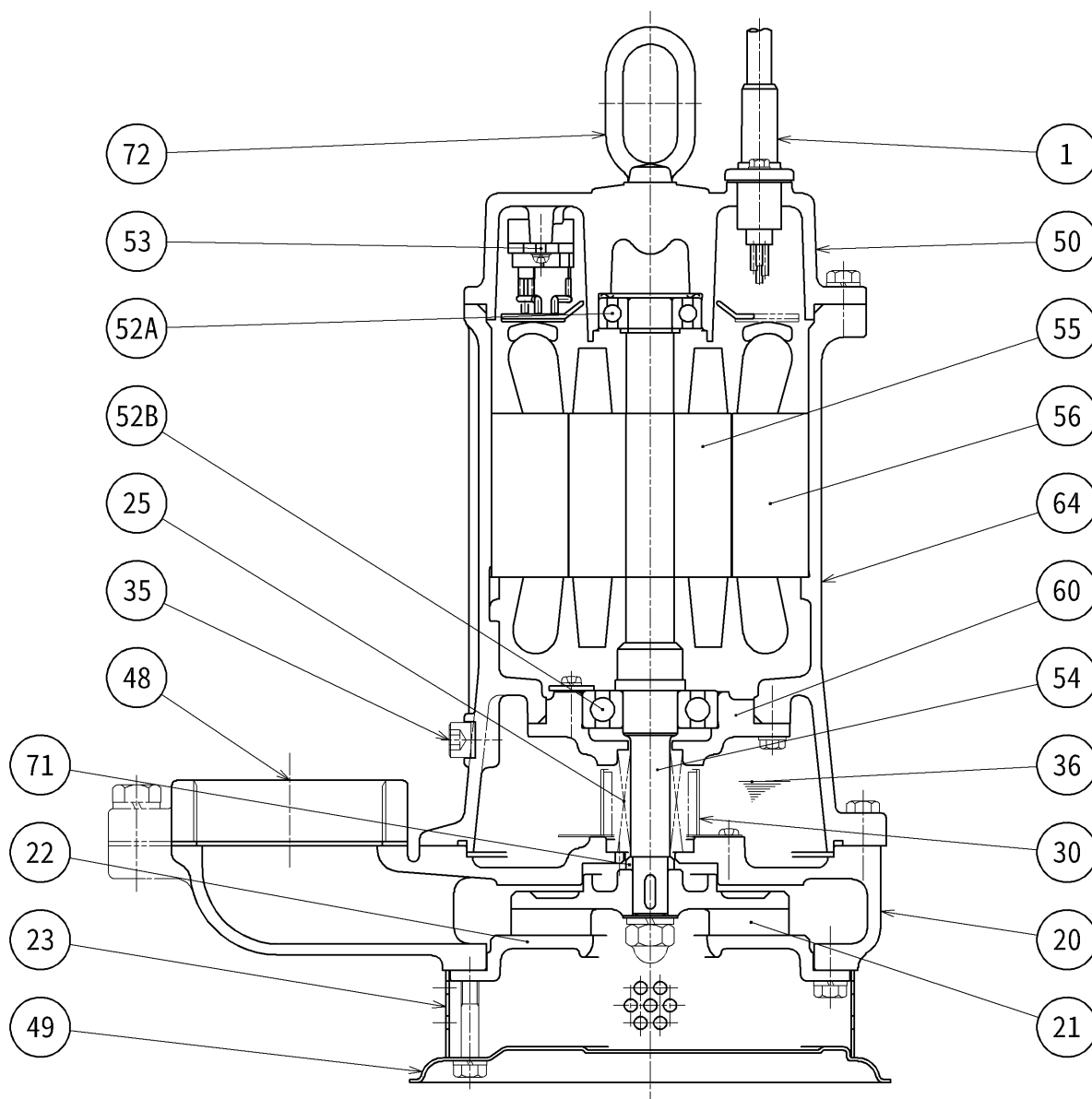
Approximate Weight(※)
36kg

※excluding cable



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

SECTIONAL DRAWING		No.	No.	A-28649-25
TYPE Submersible Cast Stainless Steel Wastewater Pump		MODEL 80SFQ21.5 -53		



REQ. SPECIFICATION

※1 the wetted part

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cable	1	PVC Sheath	52A	Upper Bearing	1	6204ZZC3
20	Pump Casing	1	316 Stainless Steel Casting	52B	Lower Bearing	1	6305ZZC3
21	Impeller	1	316 Stainless Steel Casting	53	Motor Protector	1	
22	Suction Cover	1	316 Stainless Steel Casting	54	Shaft	1	316 Stainless Steel(※1)
23	Strainer	1	316 Stainless Steel	55	Rotor	1	
25	Mechanical Seal	1	X-18W	56	Stator	1	
30	Oil Lifter	1	Steel Sheet	60	Bearing Housing	1	Gray Iron Casting 200
35	Oil Plug	1	316 Stainless Steel	64	Motor Frame	1	316 Stainless Steel Casting
36	Lubricant		Turbine Oil(ISO VG32)	71	Shaft Sleeve	1	316 Stainless Steel
48	Screwed Flange	1	316 Stainless Steel Casting	72	Eyebolt	1	316 Stainless Steel
49	Bottom Plate	1	316 Stainless Steel				
50	Motor Bracket	1	316 Stainless Steel Casting				