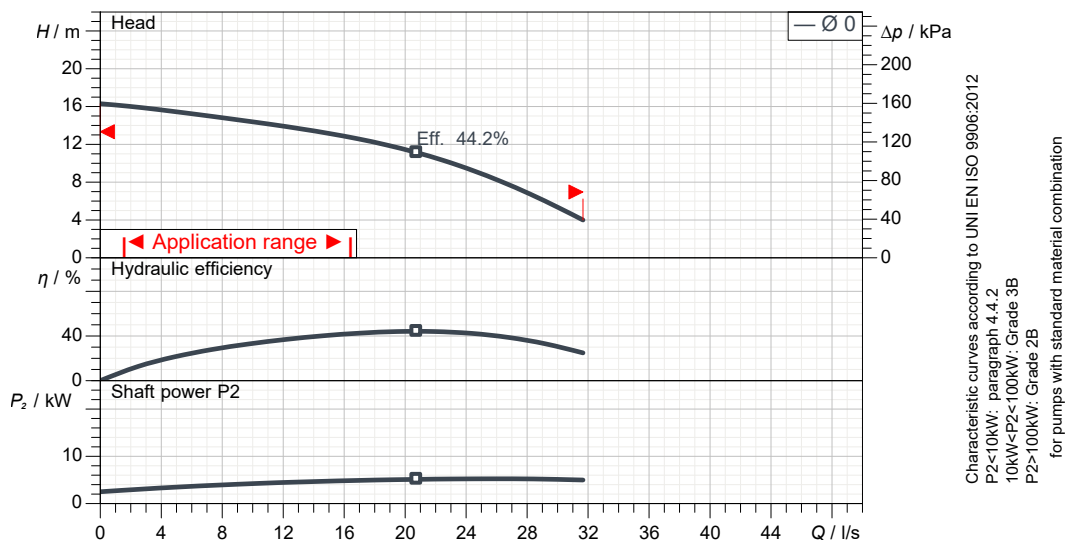


GPN35.5-52 380-415V
Technical specification
3~ 50 Hz

Pump

Series	GPN
Pump name	GPN35.5-52 380-415V
Standard	N/A

Motor data

Motor	JT1-4-5.5-GPN D
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P_2	5.50 kW
Rated current	12.5 A
rpm	1461 1/min
Rated torque	35.9 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	1.1 l

Hydraulic

Free passage	
Impeller type	Semi-open impeller with Agitator
Max. hydraulic efficiency	44.2 %
Discharge	80 mm
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. liquid temperature	40 °C
Max. density treated liquid	1100 kg/m ³
pH treated liquid	5-9
Max. start per hour (equally distributed)	4
Wet/dry use	WET
Operating mode	S1

Construction materials

Motor enclosure	Gray Iron Casting 200
Shaft	Chromium Molybdenum Steel
Pump Casing	Gray Iron Casting 200
Impeller	High chromium casting
Suction Cover	Gray Iron Casting 200
Suction plate	High chromium casting
Painting	Acrylic paint (Blue)
Screws	304 Stainless Steel
Gaskets	NBR

Construction features

Power cable1	4C*3.5mm ²
Power cable2	N/A
Sheath	2PNCT.F
Control cable	N/A
Sheath	N/A
Cable length*	8 m
Mechanical seals	H-40X
Weight**	160 kg

* Please inquire about cable extensions

** cable's weight not included

Monitoring features

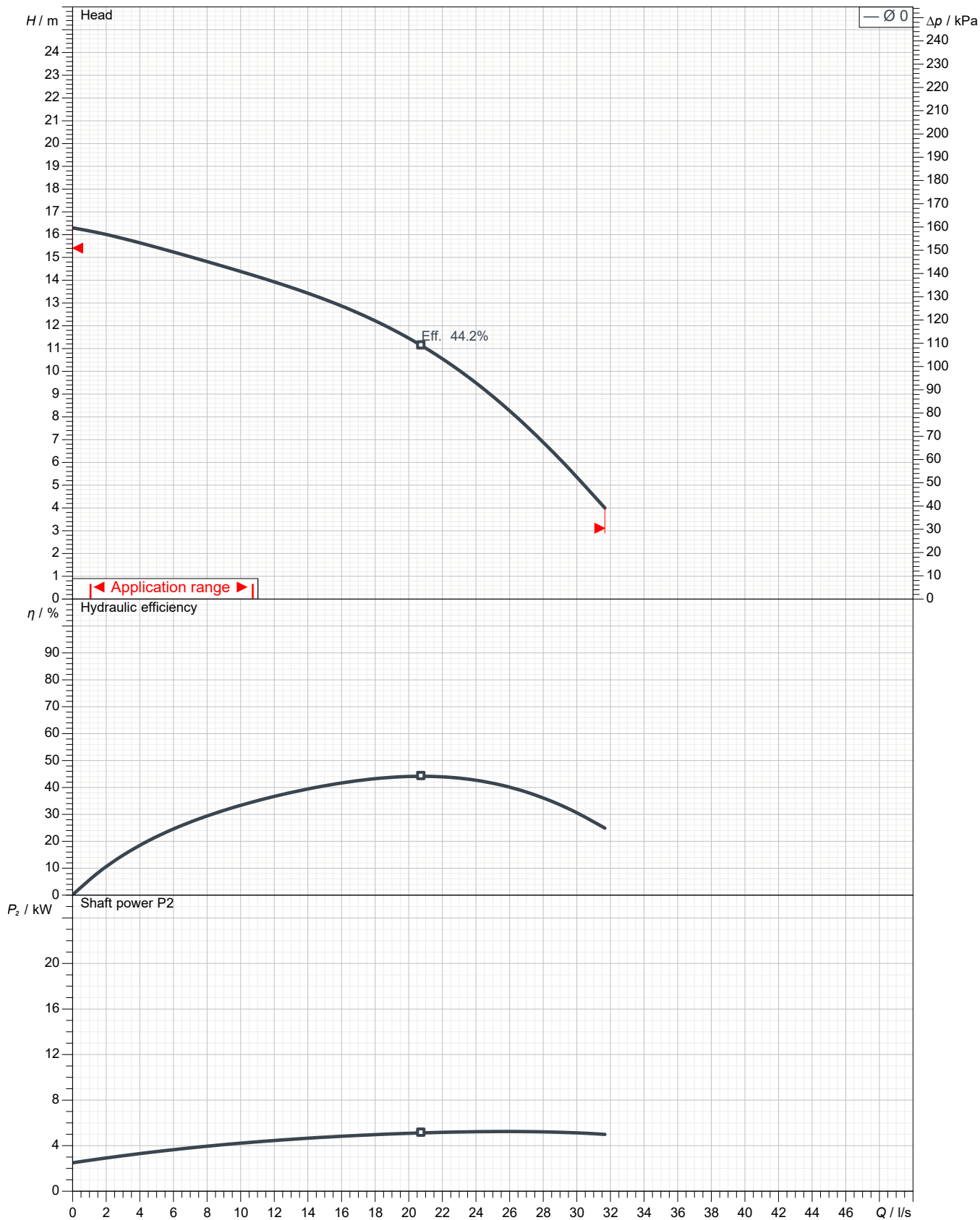
Monitoring option	
leaking sensor -	
monitoring equipment -	

GPN35.5-52 380-415V

Pump performance curves

3 ~ 50 Hz

Discharge	Head	Capacity	Rated power	Voltage	Current	rpm
80 mm			5.5 kW	380 V	12.5 A	1461 1/min

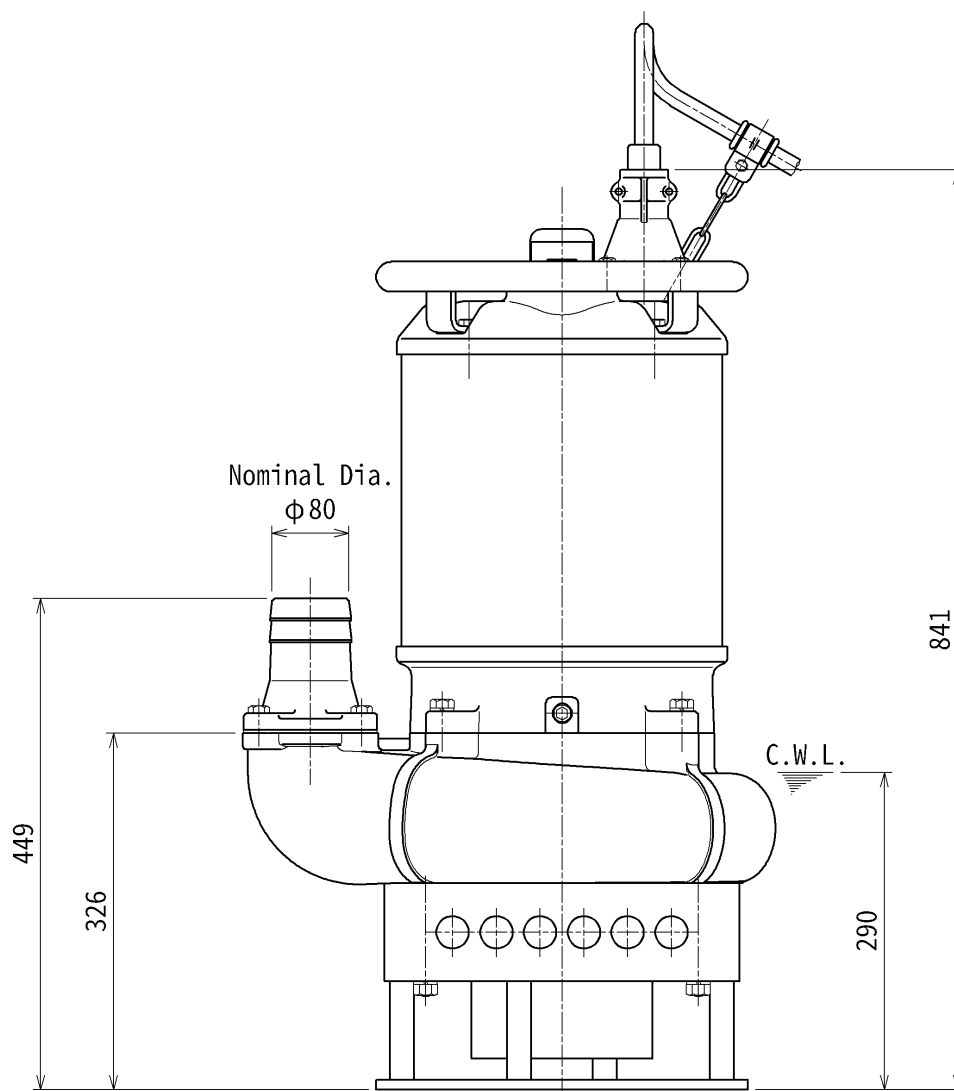
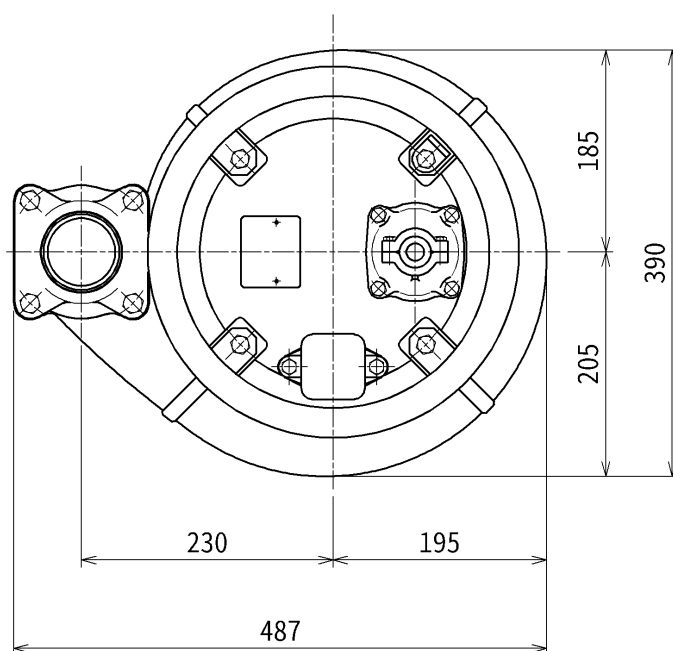


Characteristic curves according to UNI EN 9906:2012 for pumps with standard material combination
P₂ < 10 kW: paragraph 4.4.2
10 kW < P₂ < 100 kW: Grade 3B
P₂ > 100 kW: Grade 2B

DIMENSION DRAWING		No.		No.	A-29417-25
TYPE	Submersible Slurry Pump		MODEL	GPN35.5 -52	

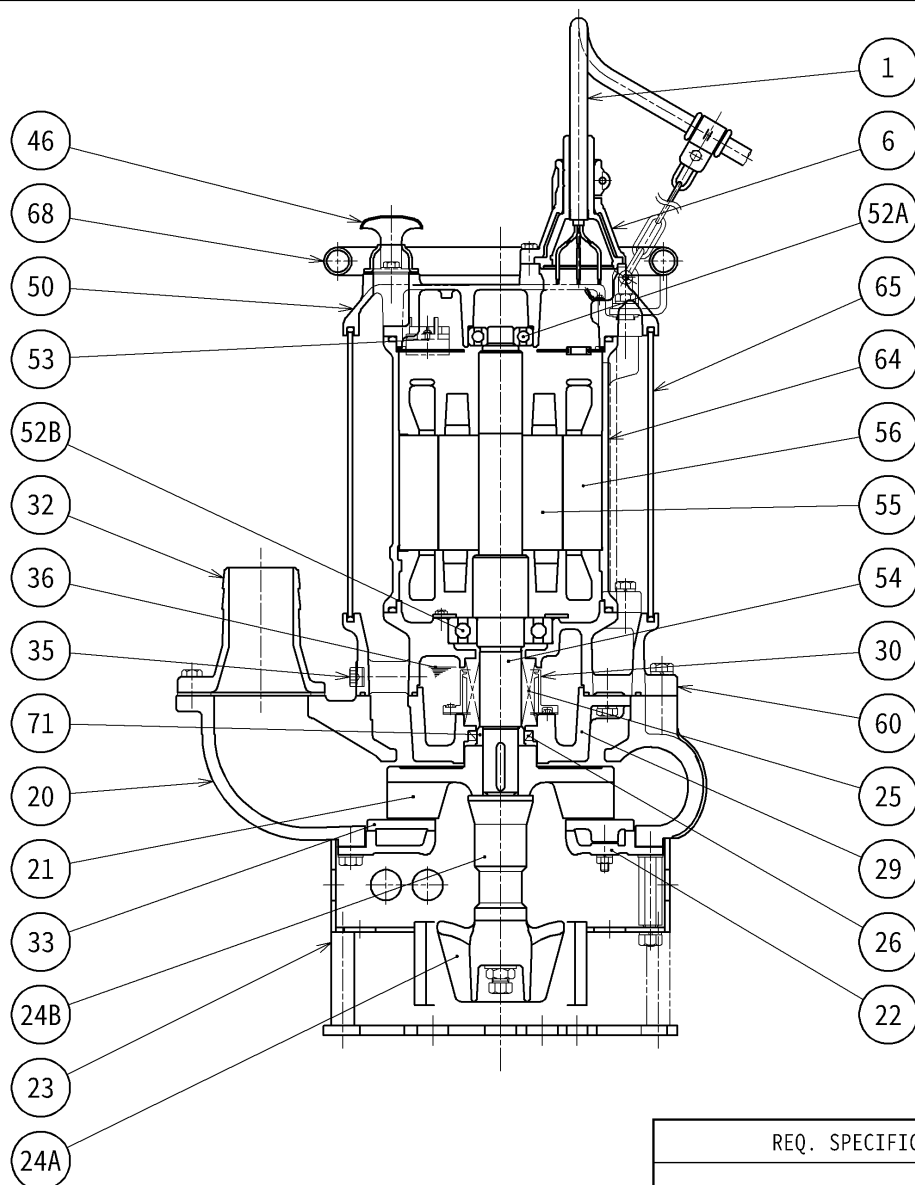
Approximate Weight(※)
160kg

※excluding cable



C.W.L.:Continuous running Water Level

SECTIONAL DRAWING		No.		No.	A-29419-25
TYPE	Submersible Slurry Pump		MODEL GPN35.5 -52		



REQ. SPECIFICATION

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	1	Chloroprene Sheath	46	Air Release Valve	1	Steel Sheet
6	Stuffing Box	1	Gray Iron Casting 200	50	Motor Bracket	1	Gray Iron Casting 200
20	Pump Casing	1	Gray Iron Casting 200	52A	Upper Bearing	1	6305ZZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6309ZZC3
22	Suction Cover	1	Gray Iron Casting 200	53	Motor Protector	1	
23	Strainer Stand	1	Structure Steel 400	54	Shaft	1	Chromium Molybdenum Steel
24A	Agitator	1	Chromium Iron Casting	55	Rotor	1	
24B	Connecting Rod	1	Malleable Iron Casting	56	Stator	1	
25	Mechanical Seal	1	H-40X	60	Bearing Housing	1	Gray Iron Casting 200
26	Oil Seal	1	TC45629	64	Motor Frame	1	Gray Iron Casting 200
29	Oil Casing	1	Gray Iron Casting 200	65	Outer Cover	1	Structure Steel 400
30	Oil Lifter	1	Plastic	68	Handle	1	Steel Sheet & Carbon Steel Pipe
32	Hose Coupling	1	Gray Iron Casting 200	71	Shaft Sleeve	1	403 Stainless Steel
33	Suction Plate	1	Chromium Iron Casting				
35	Oil Plug	1	304 Stainless Steel				
36	Lubricant		Turbine Oil(ISO VG32)				