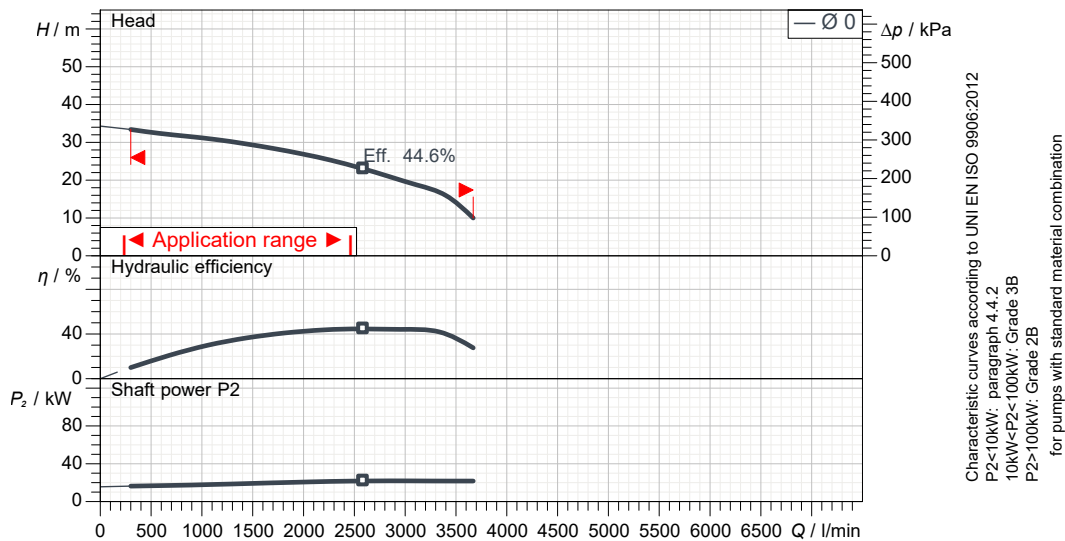


GPN422-52 380-415V
Technical specification
3~ 50 Hz

Pump

Series	GPN
Pump name	GPN422-52 380-415V
Standard	

Motor data

Motor	CT1-4-22-GPN D
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P_2	22.00 kW
Rated current	45.0 A
rpm	1470 1/min
Rated torque	142.9 Nm
Start*	Direct starting

Degree of protection	IP 68
Insulation class	F
Protection device	Miniature protector
Type of oil	Turbine oil VG32
Oil amount	3.6

Hydraulic

Free passage	
Impeller type	Semi-open impeller with Agitator
Max. hydraulic efficiency	44.6 %
Discharge	100 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)	3
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*14mm ² /3C*2mm ²
Power cable2	N/A
Sheath	2PNCT.F
Control cable	N/A
Sheath	N/A
Cable length*	10
Mechanical seals	H-50TX
Weight**	430 kg

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

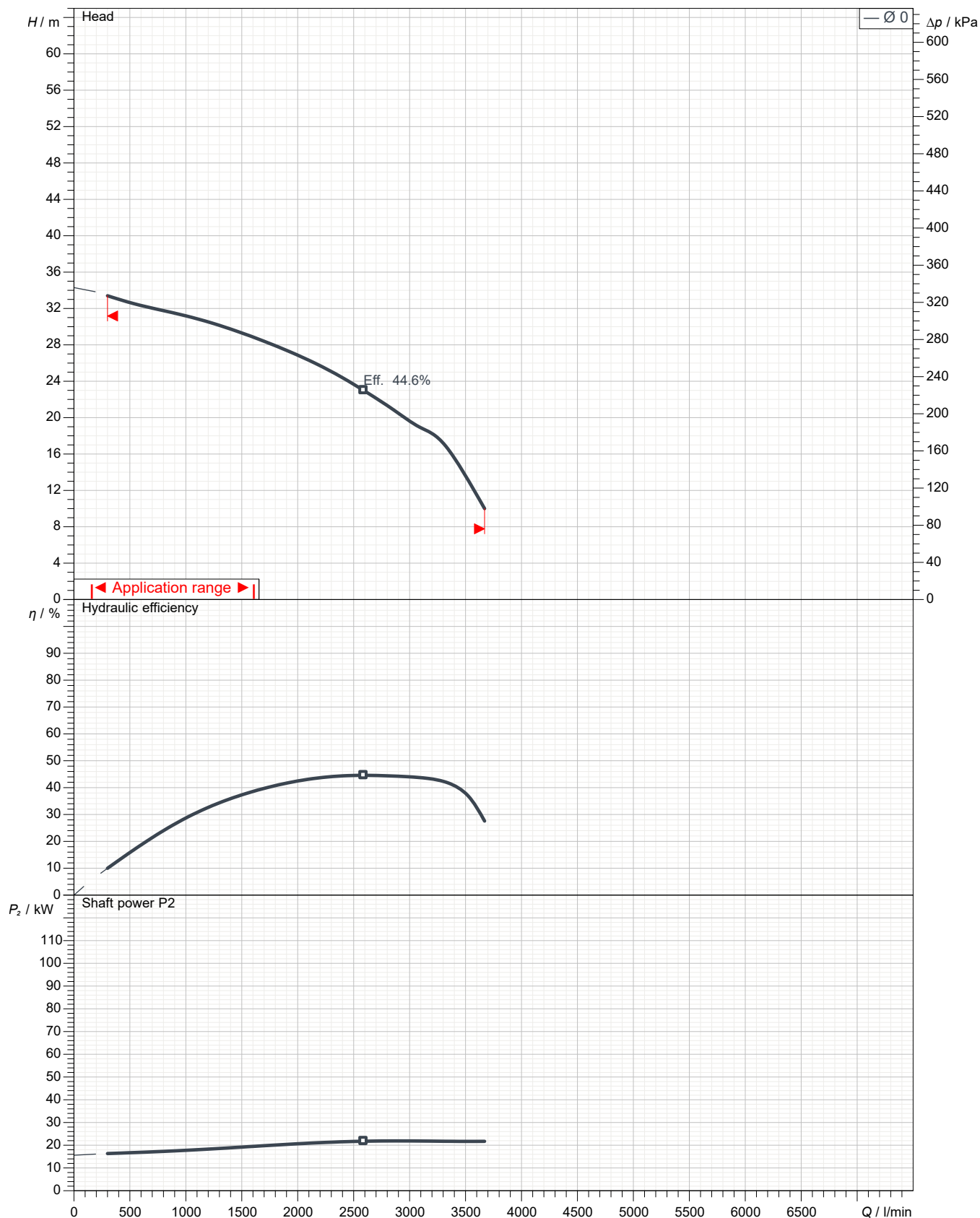
Monitoring features

Monitoring option	
leaking sensor - Electrode	
monitoring equipment -	

Pump performance curves

3 ~ 50 Hz

Discharge	Head	Capacity	Rated power	Voltage	Current	rpm
100 mm			22.0 kW	380 V	45.0 A	1470 1/min

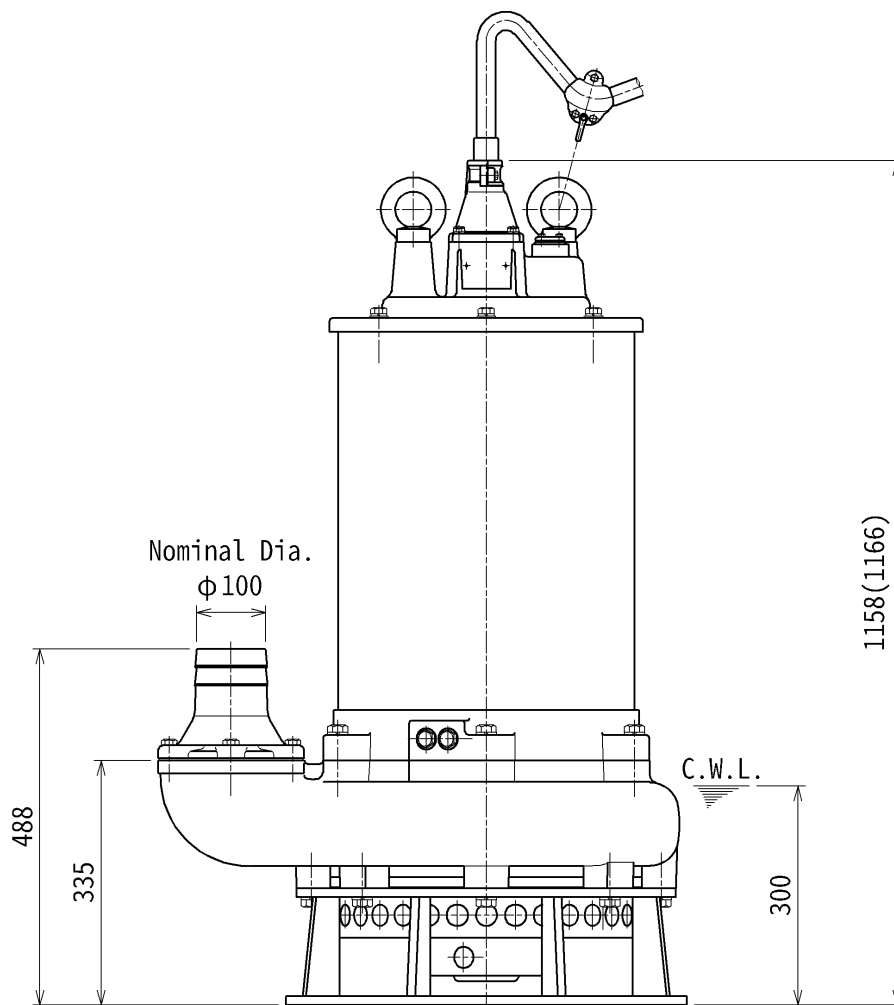
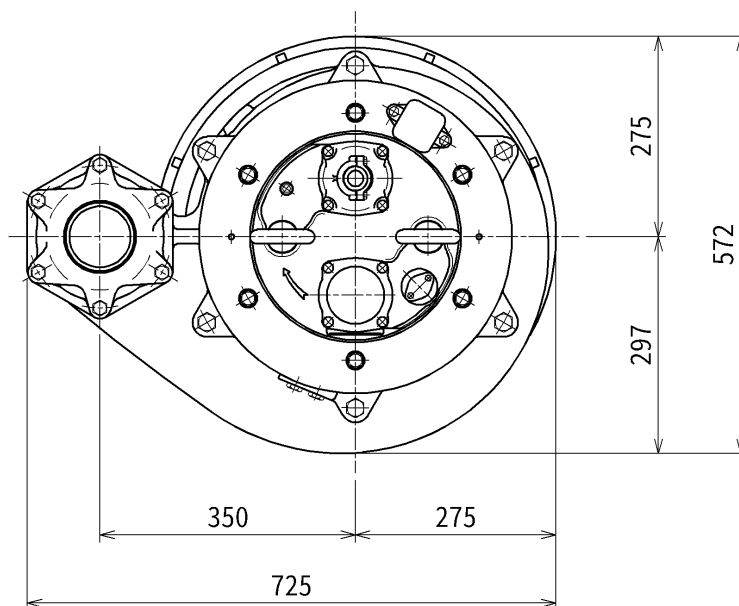


Characteristic curves according to UNI EN ISO 9906:2012 for pumps with standard material combination
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

DIMENSION DRAWING		No.		No.	A-30557-15
TYPE	Submersible Slurry Pump		MODEL	GPN422 -52	

Approximate Weight(※)
430kg

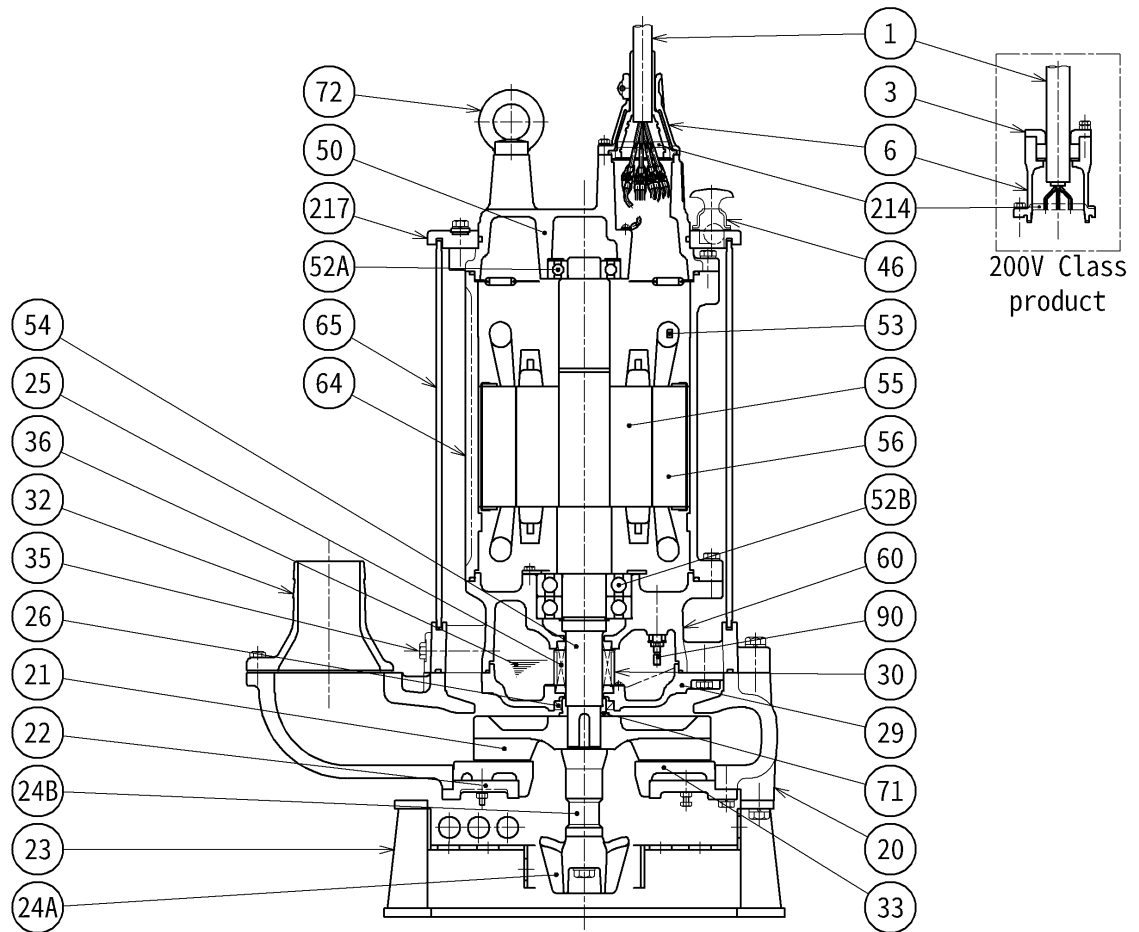
※excluding cable



This drawing is for 400V class product.
The figure in () shows the dimensions of
200V class product.
200V class product consists of 2 cables.

C.W.L.:Continuous running Water Level

SECTIONAL DRAWING		No.		No.	A-30558-15
TYPE	Submersible Slurry Pump		MODEL	GPN422 -52	



This drawing is for 400V class product.

Voltage Class			※1	※2	REQ. SPECIFICATION			
400V class			1	Chloroprene Sheath				
200V class			1	Chloroprene Sheath(For the Power)				
			1	PVC Sheath(For the Control)				
No.	DESCRIPTION	Q'TY	MATERIAL / NOTE		No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	※1	※2		50	Motor Bracket	1	Gray Iron Casting 200
3	Gland	1	Gray Iron Casting 200		52A	Upper Bearing	1	6309ZZC3
6	Stuffing Box	1	Gray Iron Casting 200		52B	Lower Bearing	2	6312ZZC3
20	Pump Casing	1	Gray Iron Casting 200		53	Motor Protector	3	
21	Impeller	1	Chromium Iron Casting		54	Shaft	1	Chromium Molybdenum Steel
22	Suction Cover	1	Gray Iron Casting 200		55	Rotor	1	
23	Strainer Stand	1	Carbon Steel Pipe & Steel Sheet		56	Stator	1	
24A	Agitator	1	Chromium Iron Casting		60	Bearing Housing	1	Gray Iron Casting 200
24B	Connecting Rod	1	Malleable Iron Casting(Quenching)		64	Motor Frame	1	Gray Iron Casting 200
25	Mechanical Seal	1	H-50TX		65	Outer Cover	1	Carbon Steel Pipe
26	Oil Seal	1	TC608212		71	Shaft Sleeve	1	403 Stainless Steel
29	Oil Casing	1	Gray Iron Casting 200		72	Eyebolt	2	Structure Steel 400
30	Oil Lifter	1	Steel Sheet		90	Leakage Sensor(Electrode)	1	Stainless Steel
32	Hose Coupling	1	Gray Iron Casting 200		214	Stuffing Box Cover	1	Gray Iron Casting 200
33	Suction Plate	1	Chromium Iron Casting		217	Fixing Plate	1	Gray Iron Casting 200
35	Oil Plug	2	304 Stainless Steel					
36	Lubricant		Turbine Oil(ISO VG32)					
46	Air Release Valve	1	Steel Sheet					