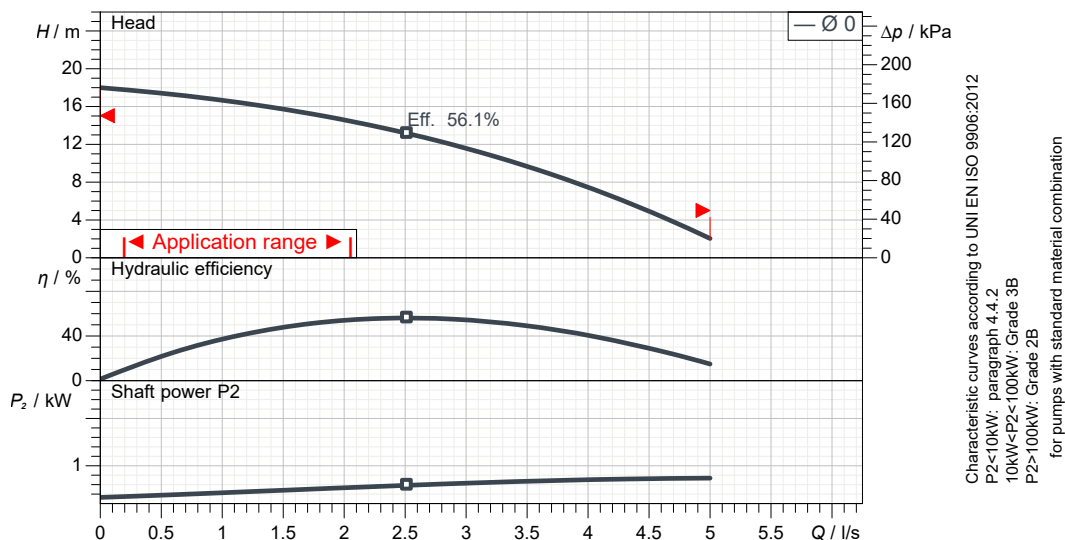


HS3.75S-52 220-240V

Technical specification

1~ 50 Hz



Pump

Series	HS
Pump name	HS3.75S-52 220-240V
Standard	

Motor data

Motor	HKE-2D-2P-0.75KW 240V HS
Rated voltage	220 V
Frequency	50 Hz
Motor phases	1~
Number of poles	2
Rated power P2	0.75 kW

Rated current	4.9 A
rpm	2830 1/min
Rated torque	2.5 Nm
Start*	

Degree of protection	IP 68
Insulation class	E
Protection device	Circle thermal protector
Type of oil	Turbine oil VG32
Oil amount	0.16

Hydraulic

Free passage	
Impeller type	Vortex impeller
Max. hydraulic efficiency	56.1 %
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	5-9
Max. start per hour (equally distributed)	10
Wet/dry use	WET
Operating mode	S1

Construction materials

Motor enclosure	Aluminium Die Casting 12
Shaft	403 Stainless Steel
Pump Casing	Ductile Iron Casting 700
Impeller	Urethane rubber
Suction Cover	N/A
Suction plate	N/A
Painting	-
Screws	SWRM
Gaskets	NBR

Construction features

Power cable1	3C*1.25mm ²
Power cable2	N/A
Sheath	VCT
Control cable	N/A
Sheath	N/A
Cable length*	5
Mechanical seals	W-14VC
Weight**	16.8 kg

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

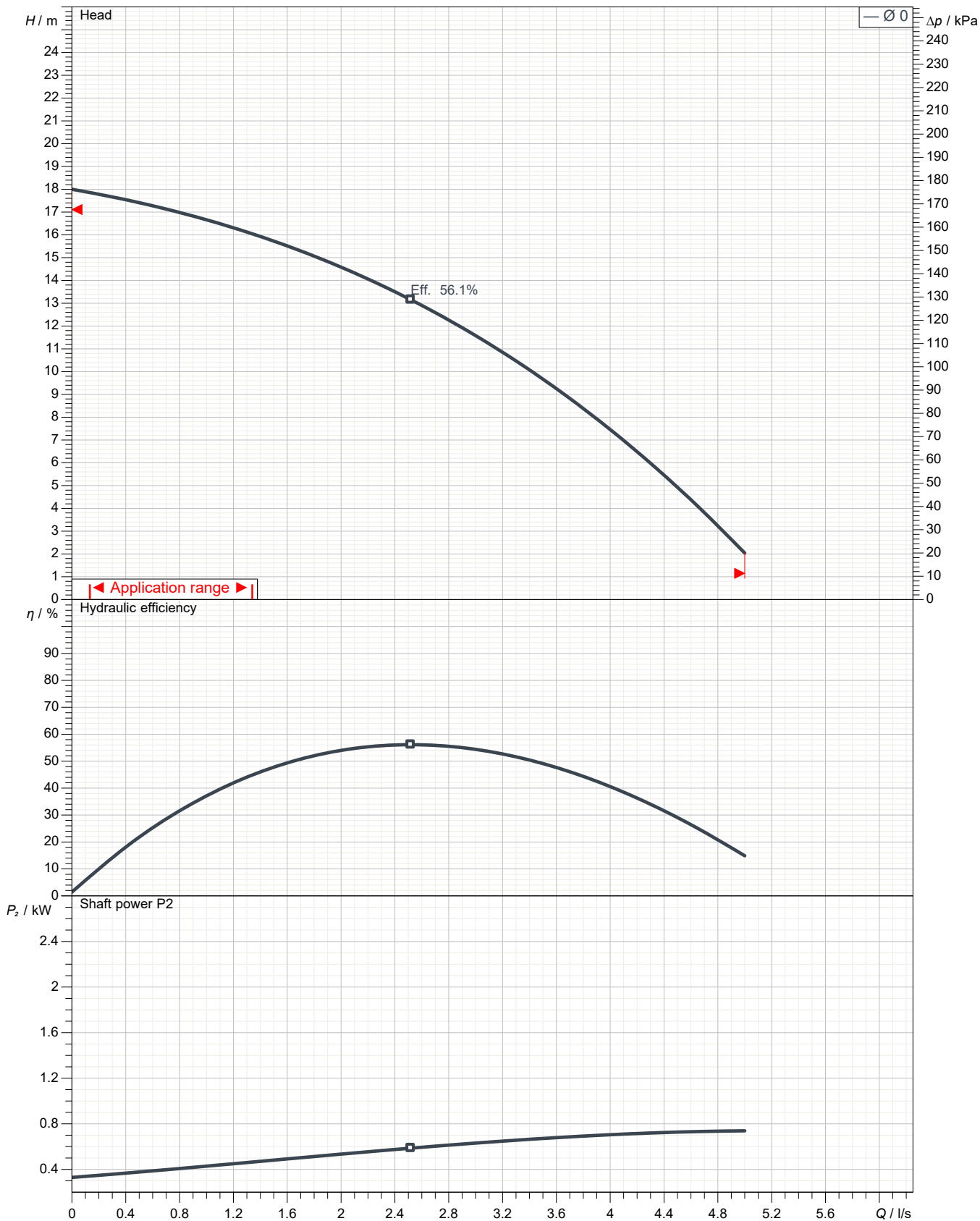
Monitoring features

Monitoring option	
leaking sensor -	
monitoring equipment -	

Pump performance curves

3 ~ 50 Hz

Discharge	Head	Capacity	Rated power	Voltage	Current	rpm
80 mm			0.8 kW	220 V	4.9 A	2830 1/min

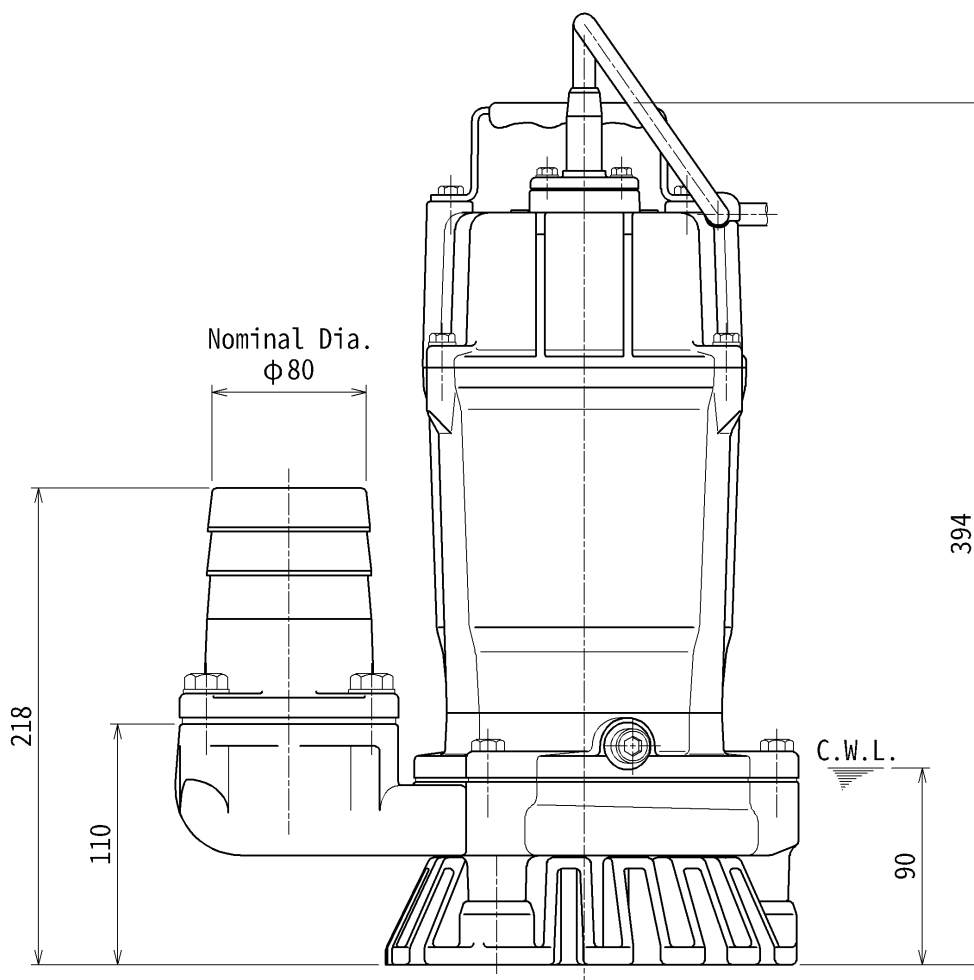
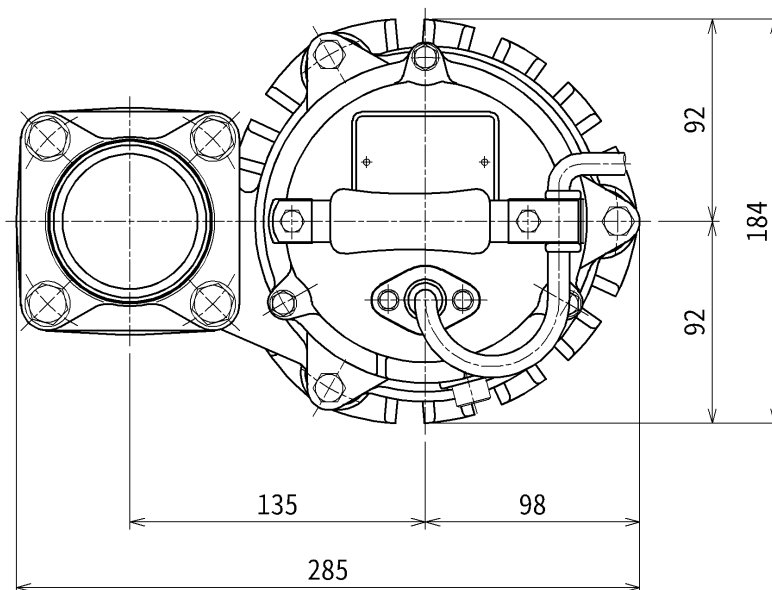


Characteristic curves according to UNI EN 9906:2012 for pumps with standard material combination
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

DIMENSION DRAWING		No.		No.	A-20956-45
TYPE	Submersible Portable Dewatering Pump		MODEL	HS3.75S -52	

Approximate Weight(※)
16.8kg

※excluding cable



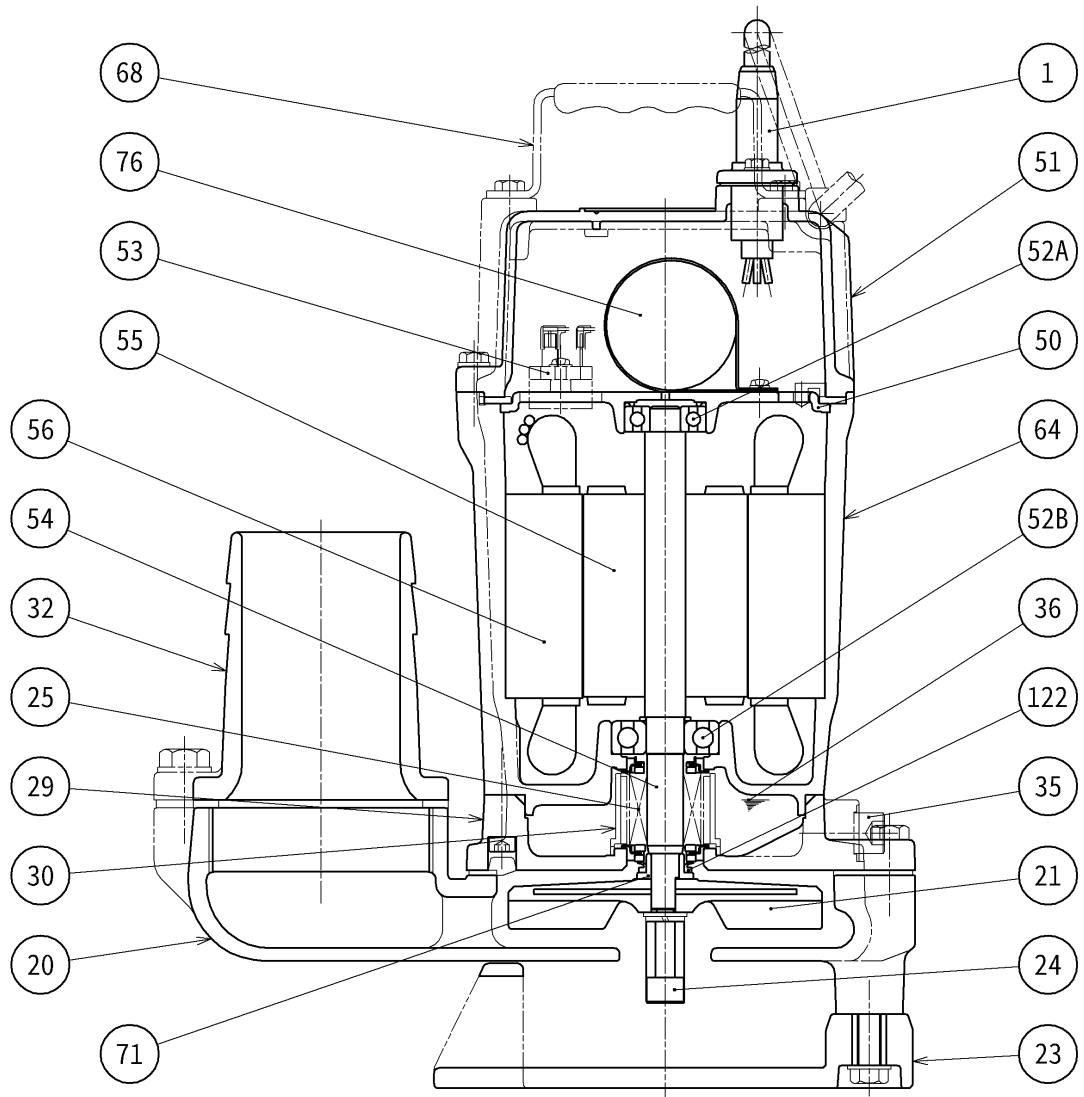
C.W.L.:Continuous running Water Level

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unit:mm

Created on: 2025-09-12

SECTIONAL DRAWING		No.		No.	A-20964-55
TYPE	Submersible Portable Dewatering Pump		MODEL	HS3.75S -52	



REQ. SPECIFICATION

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	1	PVC Sheath	52A	Upper Bearing	1	6201ZZC3
20	Pump Casing	1	Ductile Iron Casting 700	52B	Lower Bearing	1	6302ZZC3
21	Impeller	1	Urethane Rubber	53	Motor Protector	1	
23	Strainer Stand	1	Vinyl Chloride	54	Shaft	1	403 Stainless Steel
24	Agitator	1	Sintered Alloy	55	Rotor	1	
25	Mechanical Seal	1	W-14VC	56	Stator	1	
29	Oil Casing	1	Ductile Iron Casting 700	64	Motor Frame	1	Aluminium Die Casting 12
30	Oil Lifter	1	Plastic	68	Handle	1	Steel Sheet & Natural Rubber
32	Hose Coupling	1	Aluminium Die Casting 12	71	Shaft Sleeve	1	304 Stainless Steel
35	Oil Plug	1	304 Stainless Steel	76	Capacitor	1	
36	Lubricant		Turbine Oil(ISO VG32)	122	V-ring	1	Nitrile Butadiene Rubber
50	Motor Bracket	1	Aluminium Die Casting 12				
51	Motor Head Cover	1	Aluminium Die Casting 12				

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All data shown are not binding. Tsurumi reserves the right to change data and dimensions without notice.