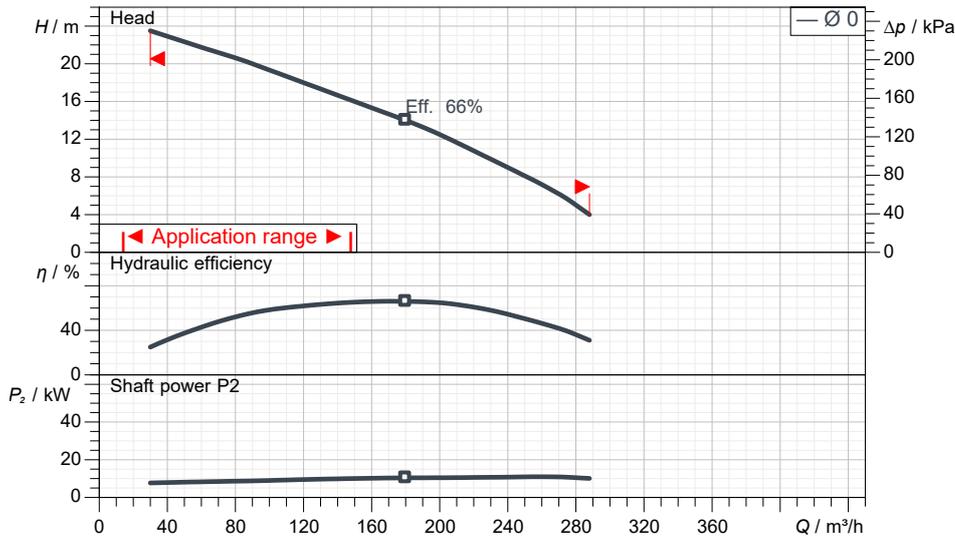


Technical specification
3~ 50 Hz


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

Pump

Series	B
Pump name	150B411-54 380-415V
Standard	N/A

Motor data

Motor	TOS-150 A Y
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	11.00 kW
Rated current	24.5 A
rpm	1455 1/min
Rated torque	72.2 Nm
Start*	Star-delta

Degree of protection	IP 68
Insulation class	F
Protection device	Miniature protector
Type of oil	Turbine oil VG32
Oil amount	5.4

Hydraulic

Free passage	75 mm
Impeller type	Channel impeller
Max. hydraulic efficiency	66.0 %
Discharge	150 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)	4
Wet/dry use	WET
Operating mode	S1

Construction materials

Motor enclosure	Gray Iron Casting 200
Shaft	420J2 Stainless Steel
Pump Casing	Gray Iron Casting 200
Impeller	Gray Iron Casting 200
Suction Cover	Gray Iron Casting 200
Suction plate	N/A
Painting	Epoxy paint (Black)
Screws	304 Stainless Steel
Gaskets	NBR

Construction features

Power cable1	4C*3.5mm2
Power cable2	3C*3.5mm2
Sheath	2PNCT
Control cable	2C*1.25mm2
Sheath	VCT
Cable length*	8
Mechanical seals	H-45X
Weight**	245 kg

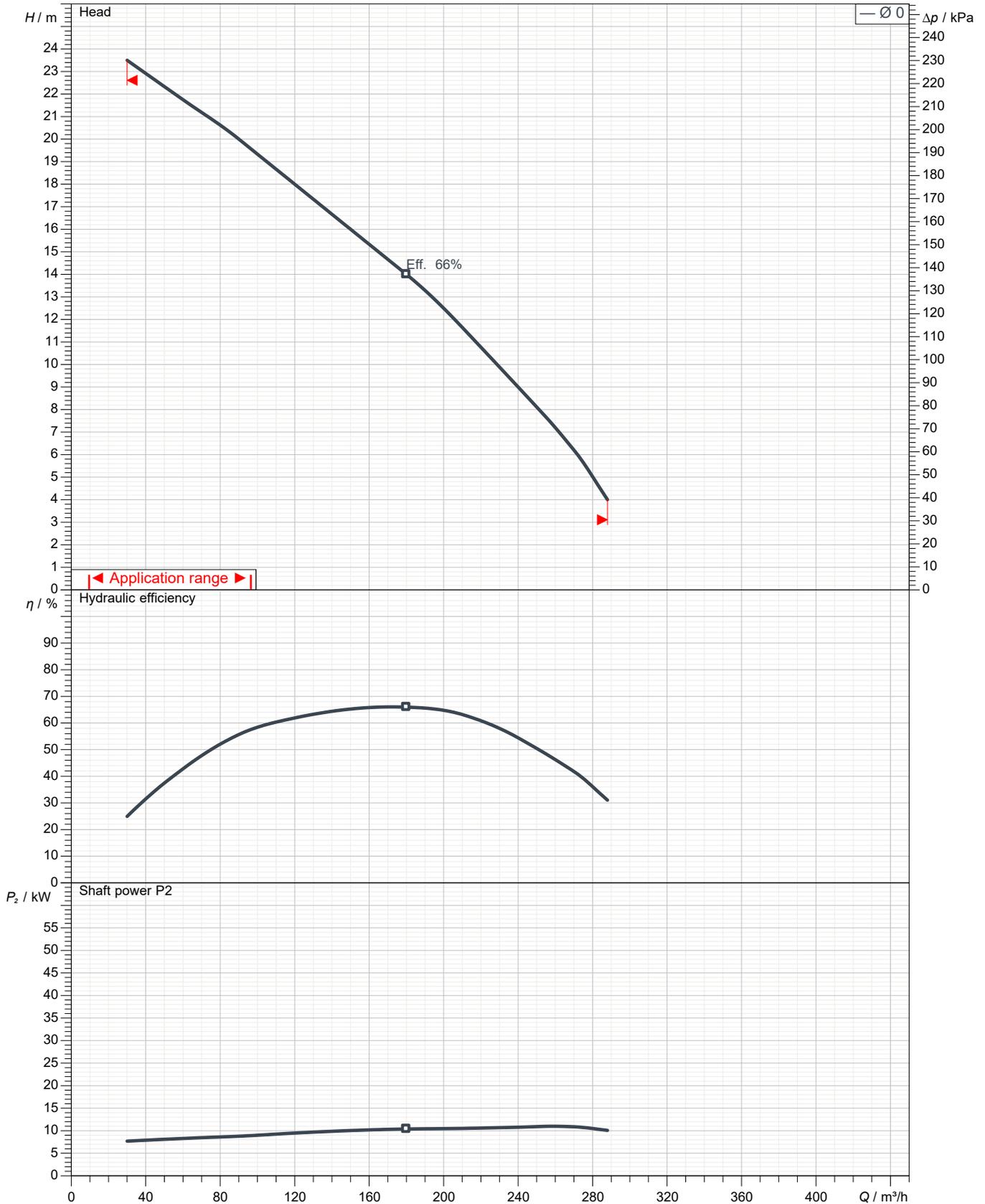
* Please inquire about cable extensions
 ** cable's weight not included

Monitoring features

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

150B411-54 380-415V
Pump performance curves
3 ~ 50 Hz

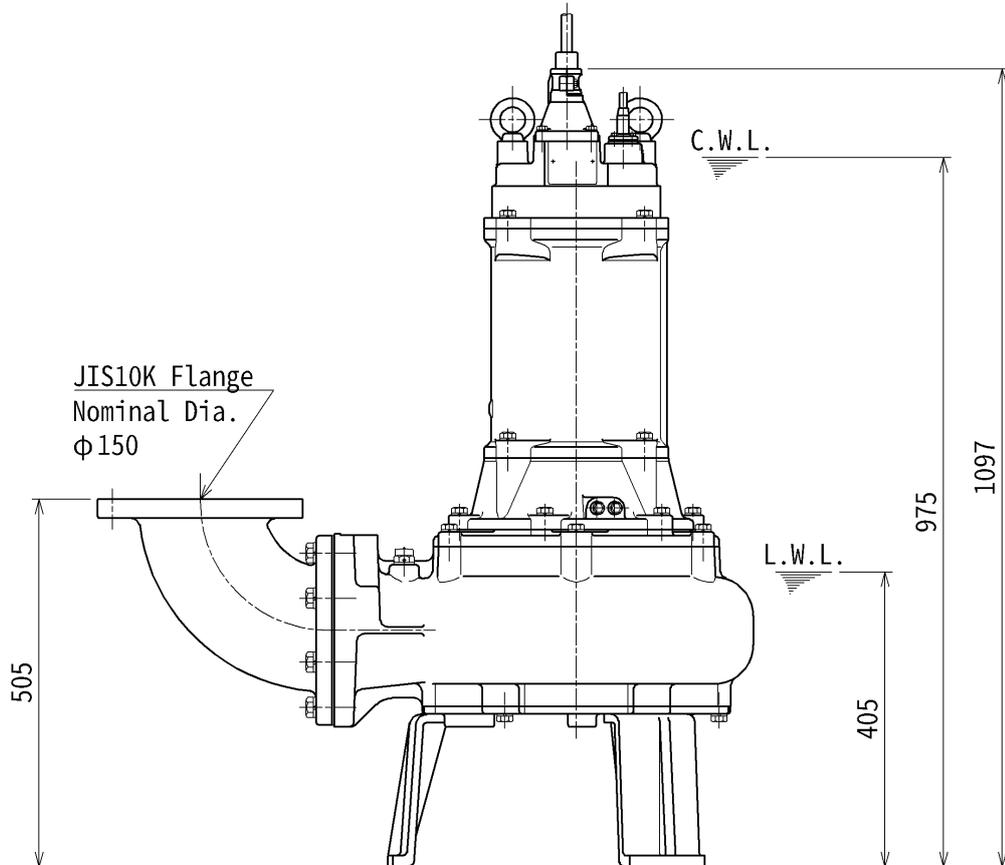
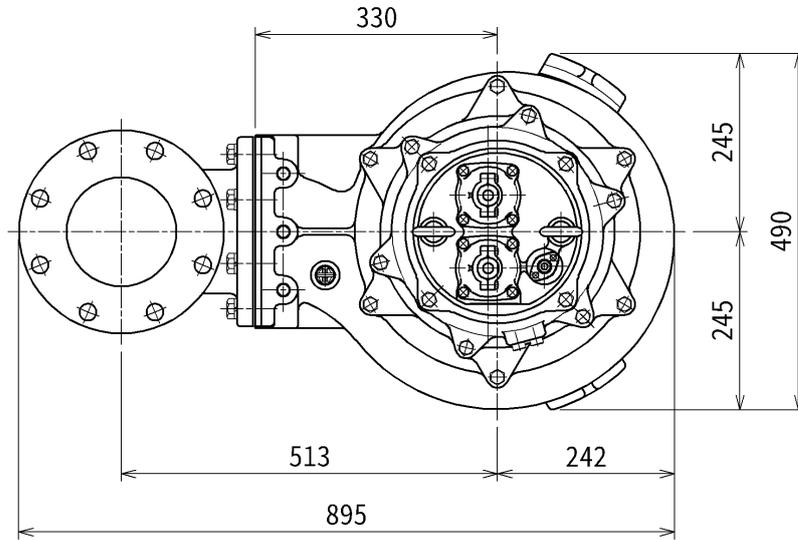
Discharge 150 mm	Head	Capacity	Rated power 11.0 kW	Voltage 380 V	Current 24.5 A	rpm 1455 1/min
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DIMENSION DRAWING		No.	No.	A-24526-25
TYPE	Submersible Sewage & Wastewater Pump	MODEL	150B411 -54	

Approximate Weight(※)
245kg

※excluding cable



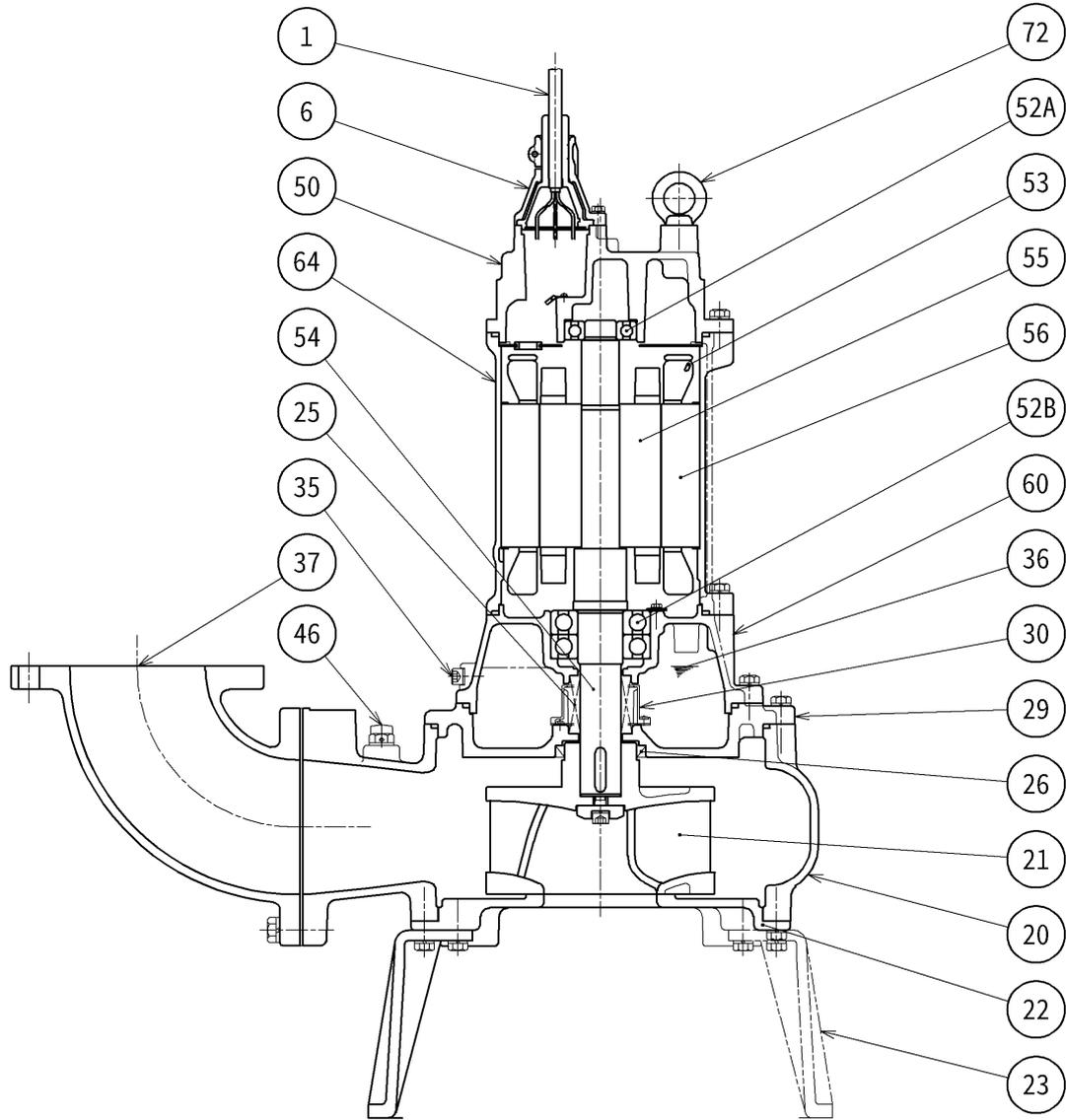
C.W.L.:Continuous running Water Level
L.W.L.:Lowest running Water Level

TSURUMI MFG. CO., LTD.

unit:mm

Created on: 2026-02-04

SECTIONAL DRAWING		No.	No.	A-24529-45
TYPE	Submersible Sewage & Wastewater Pump	MODEL	150B411 -54	



REQ. SPECIFICATION	

	※1	※2
Cabtyre Cable(For the Power)	2	Chloroprene Sheath
Cabtyre Cable(For the Control)	1	PVC Sheath

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	※1	※2	46	Air Release Valve	1	Nylon
6	Stuffing Box	2	Gray Iron Casting 200	50	Motor Bracket	1	Gray Iron Casting 200
20	Pump Casing	1	Gray Iron Casting 200	52A	Upper Bearing	1	6307ZC3
21	Impeller	1	Gray Iron Casting 200	52B	Lower Bearing	2	6310ZC3
22	Suction Cover	1	Gray Iron Casting 200	53	Motor Protector	3	
23	Strainer Stand	3	Ductile Iron Casting 450	54	Shaft	1	420J2 Stainless Steel
25	Mechanical Seal	1	H-45X	55	Rotor	1	
26	Oil Seal	1	TC8010013	56	Stator	1	
29	Oil Casing	1	Gray Iron Casting 200	60	Bearing Housing	1	Gray Iron Casting 200
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Gray Iron Casting 200
35	Oil Plug	2	304 Stainless Steel	72	Eyebolt	2	304 Stainless Steel
36	Lubricant		Turbine Oil (ISO VG32)				
37	Discharge Bend	1	Gray Iron Casting 200				

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