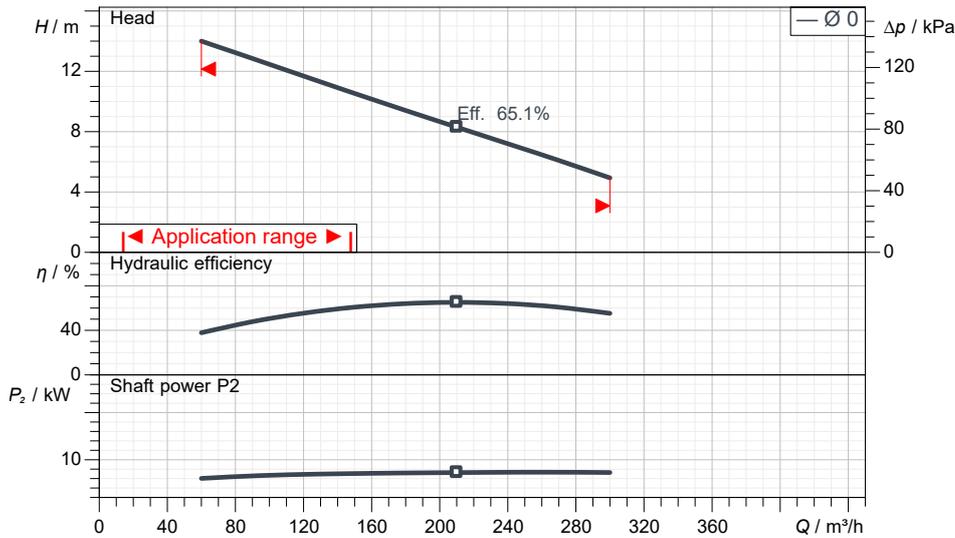


**150B47.5L-56 380-415V**
**Technical specification**
**3~ 50 Hz**

 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	150B47.5L-56 380-415V
Standard	

**Motor data**

Motor	CT1-4-7.5-B2(2) 400V
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	7.50 kW
Rated current	16.6 A
rpm	1453 1/min
Rated torque	49.3 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	4.8 l

**Hydraulic**

Free passage	60 mm
Impeller type	Channel impeller
Max. hydraulic efficiency	65.1 %
Discharge	150 mm
Curve tolerance	UNI EN ISO 9906:2012

**Operating limits (standard pumps)**

Max. ambient temperature	40 °C
Max. density treated liquid	1030 kg/m³
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
Painting	Epoxy paint (Black)
Screws	304 Stainless Steel
Gaskets	NBR

**Construction features**

Power cable1	4C*5.5mm2
Power cable2	N/A
Sheath	2PNCT
Control cable	N/A
Sheath	N/A
Cable length	8 m
Mechanical seals	H-35A
Weight*	185 kg

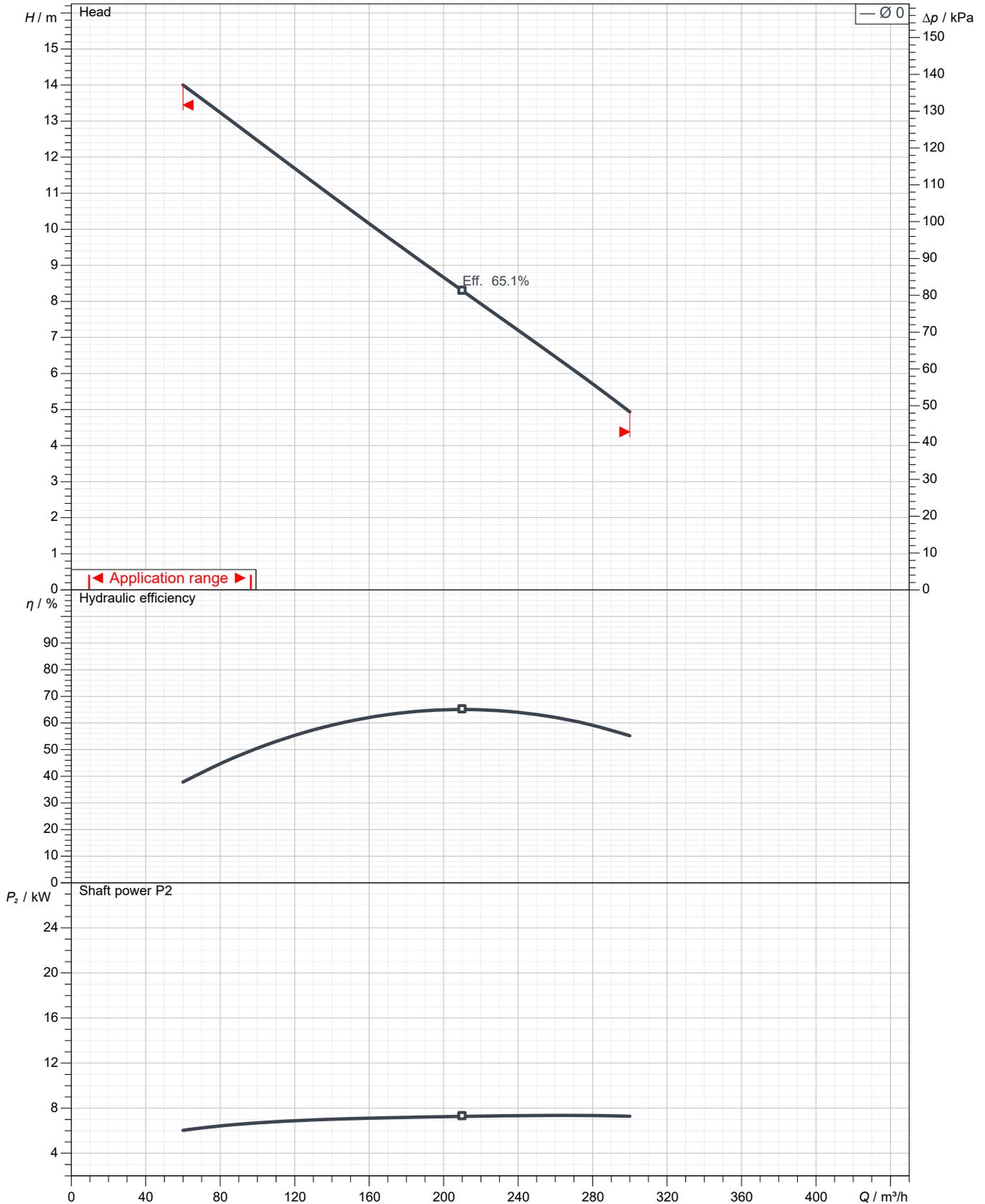
\* cable and fixing system excluded

**Monitoring features**

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

**Pump performance curves**
**3 ~ 50 Hz**

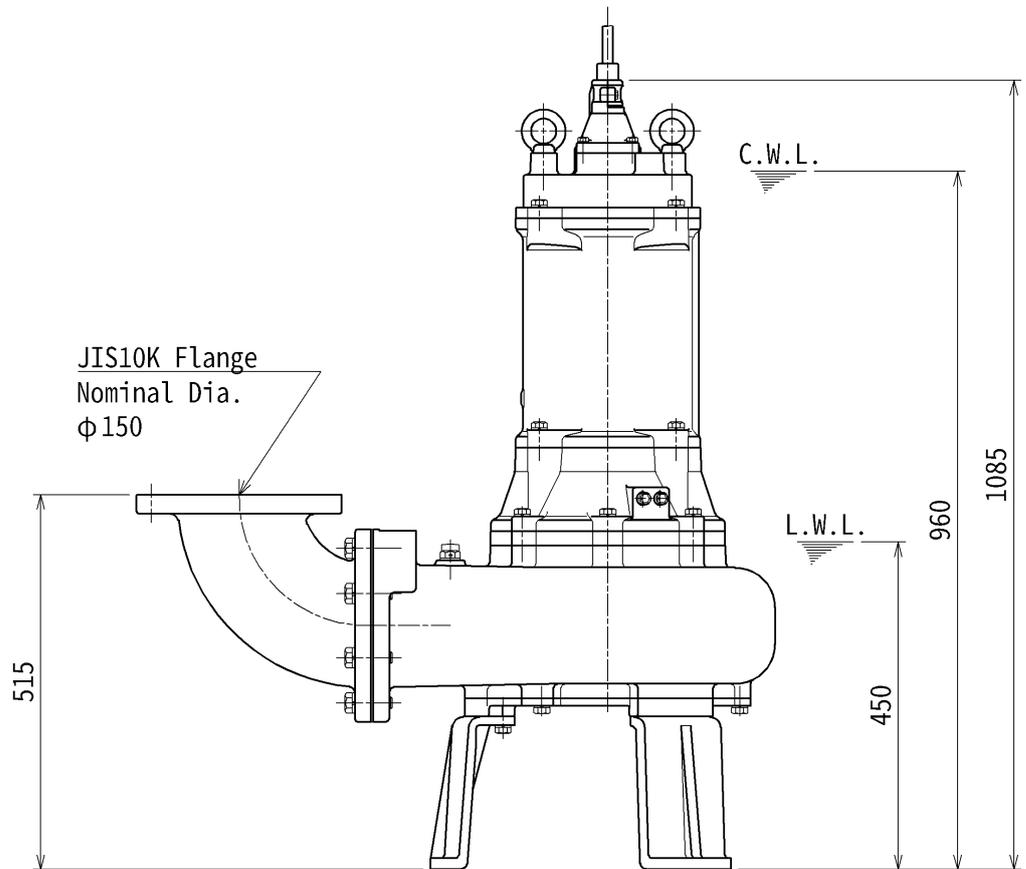
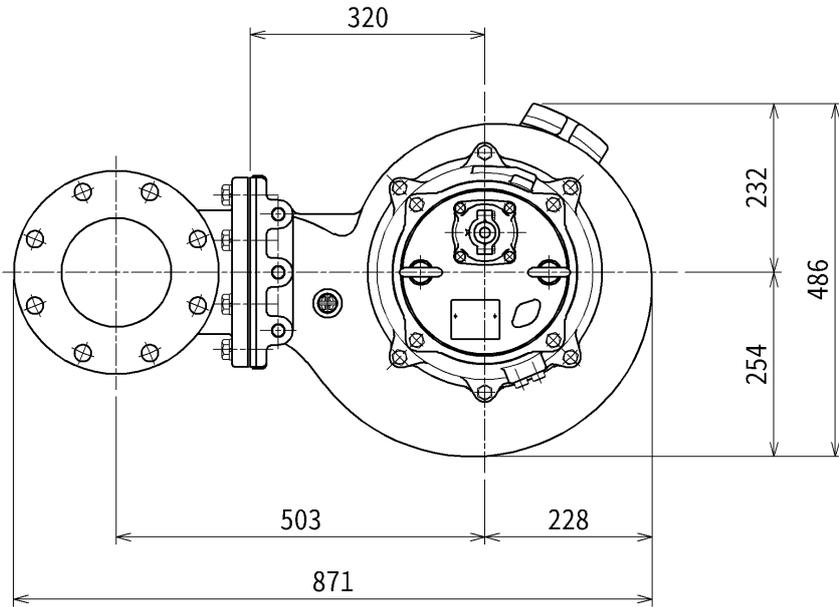
<b>Discharge</b> 150 mm	<b>Head</b>	<b>Capacity</b>	<b>Rated power</b> 7.5 kW	<b>Voltage</b> 380 V	<b>Current</b> 16.6 A	<b>rpm</b> 1453 1/min
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 Characteristic curves according to UNI EN ISO 9906:2012 for pumps with standard material combination  
 P2<10kW: paragraph 4.4.2  
 10kW<P2<100kW: Grade 3B  
 P2>100kW: Grade 2B

DIMENSION DRAWING		No.	No.	A-23841-25
TYPE	Submersible Sewage & Wastewater Pump	MODEL	150B47.5L -56	

Approximate Weight(※)
185kg

※excluding cable



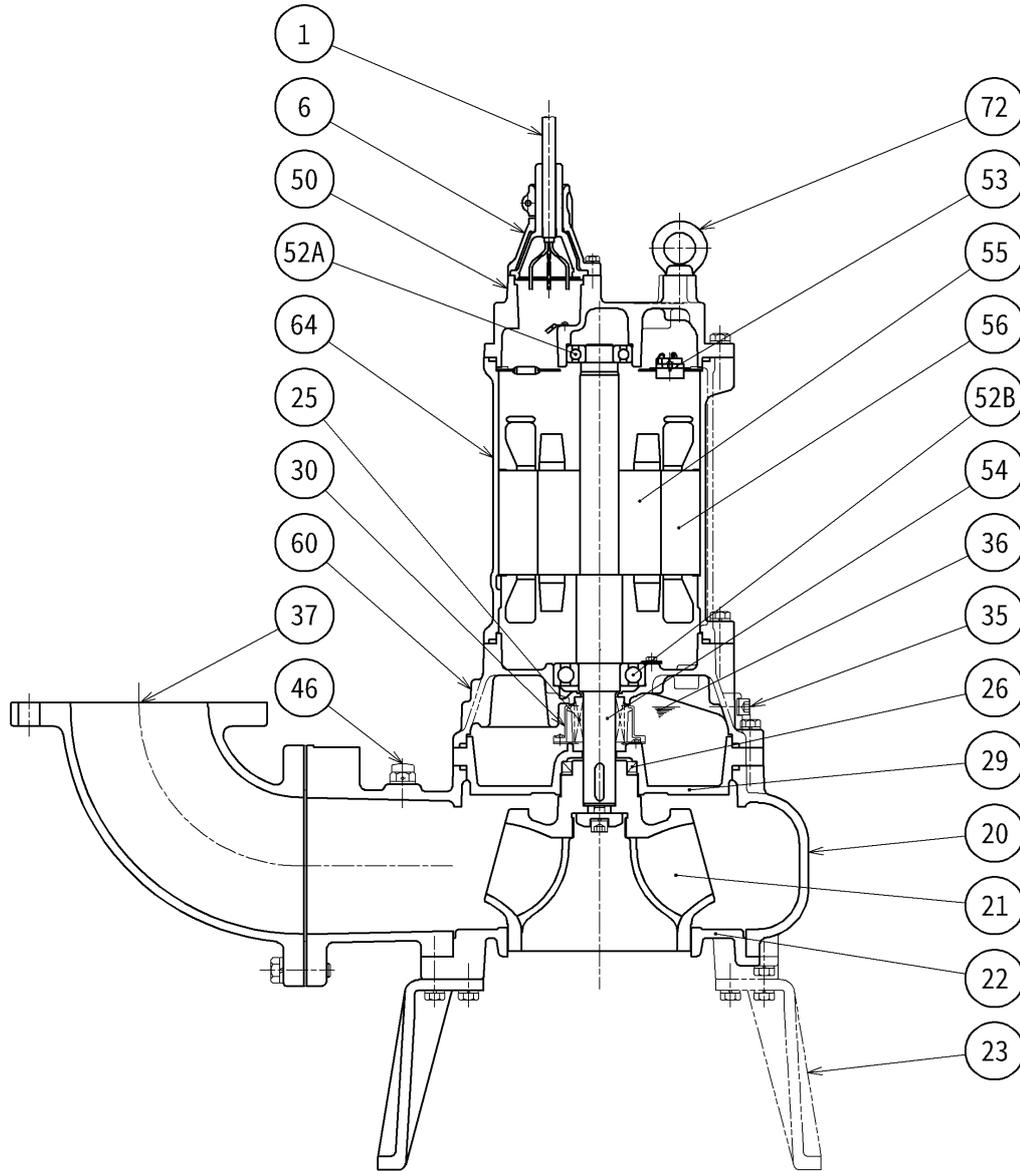
C.W.L.:Continuous running Water Level  
L.W.L.:Lowest running Water Level

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unit:mm

Created on: 2025-04-15

SECTIONAL DRAWING		No.	No.	A-23843-45
TYPE	Submersible Sewage & Wastewater Pump	MODEL	150B47.5L -56	



REQ. SPECIFICATION	

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	46	Air Release Valve	1	Nylon
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	6306ZZC3
21	Impeller	1	Gray Iron Casting 200	52B	Lower Bearing	1	6309ZZC3
22	Suction Cover	1	Gray Iron Casting 200	53	Motor Protector	1	
23	Stand	3	Ductile Iron Casting 450	54	Shaft	1	420J2 Stainless Steel
25	Mechanical Seal	1	H-35A	55	Rotor	1	
26	Oil Seal	1	TC608212	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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Created on: 2025-04-15

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