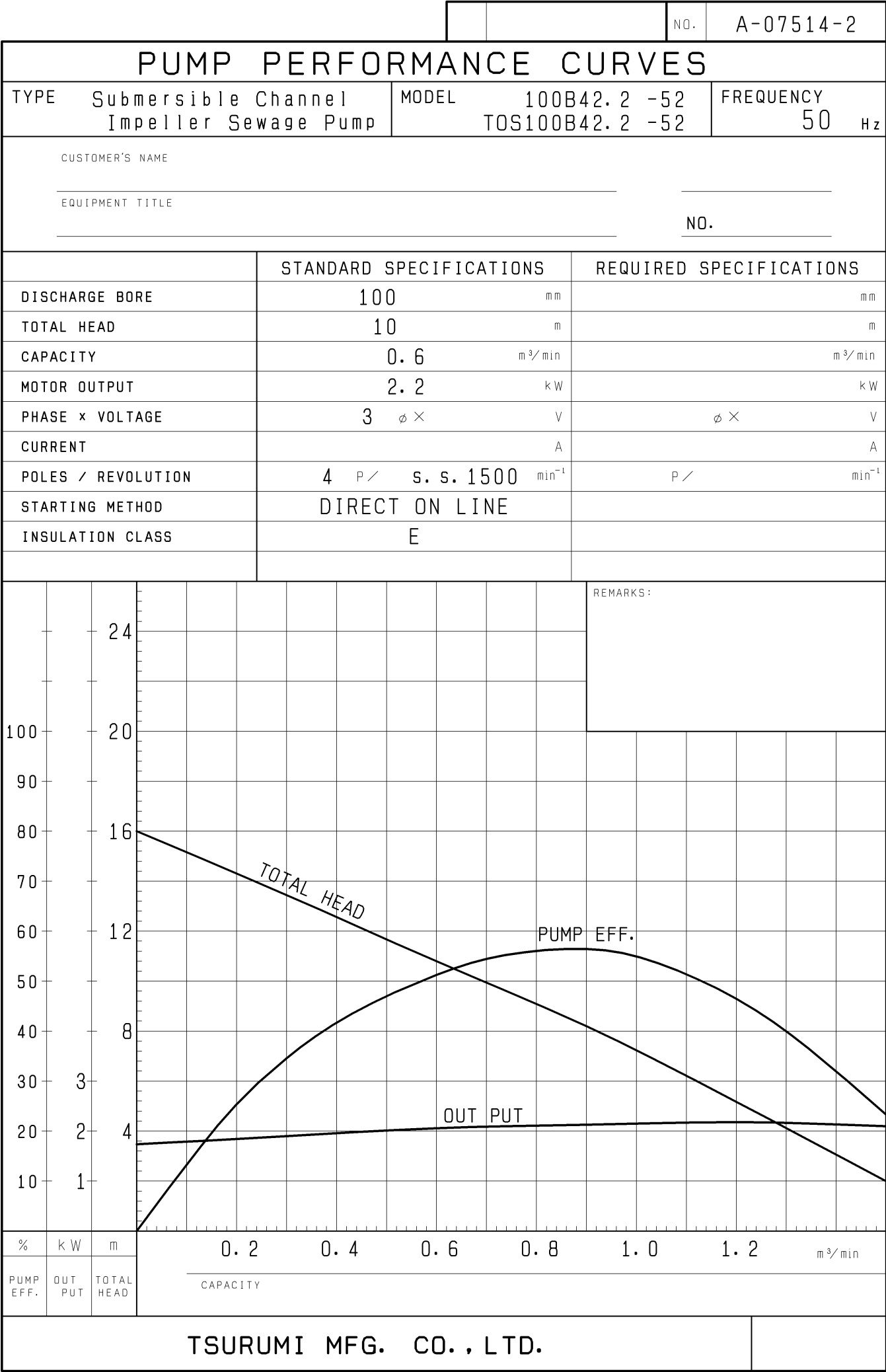
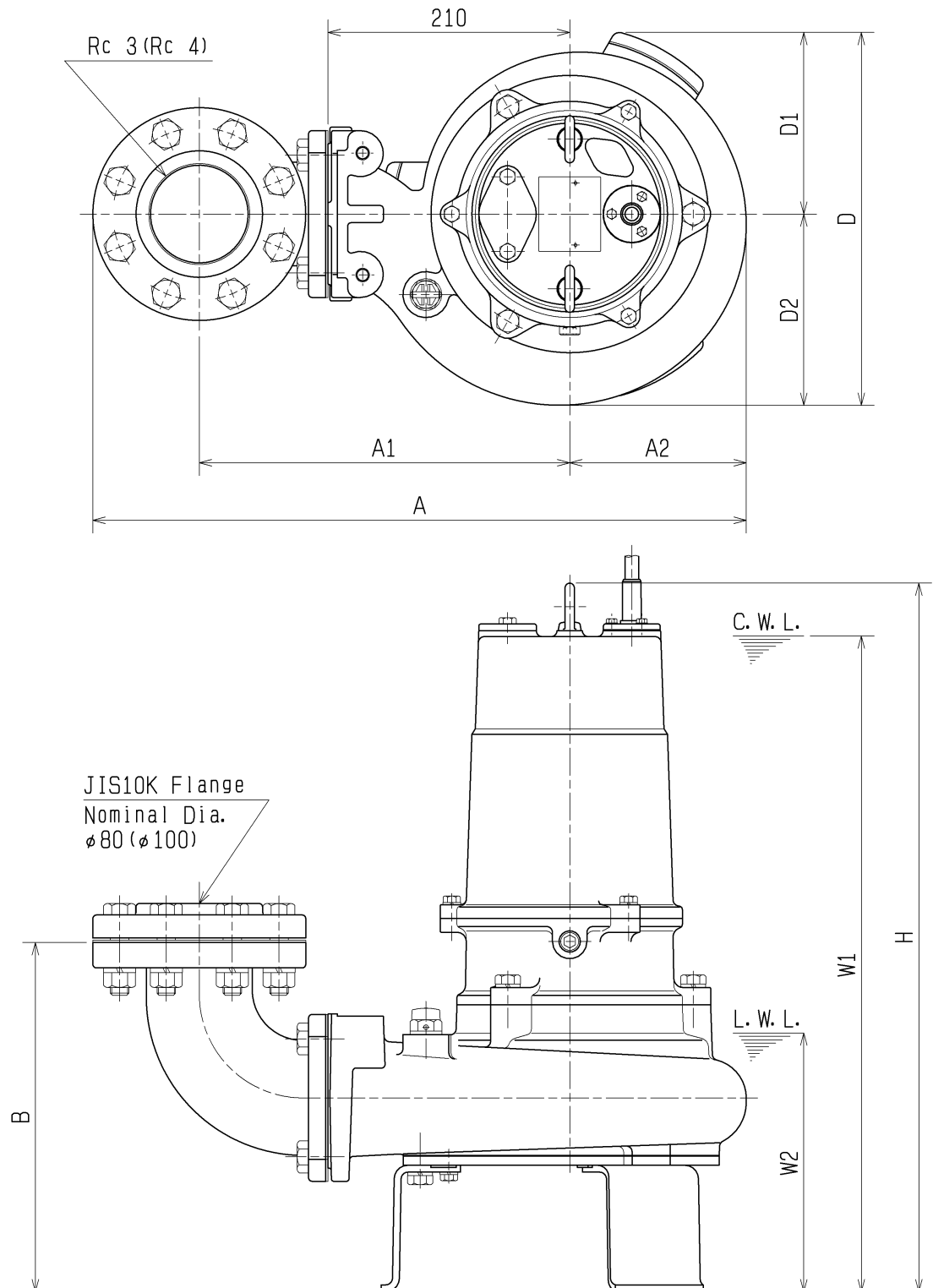


SPECIFICATIONS	Model	100B42.2	B-series								
			2.2kW, 3-phase								
Type of Pump Submersible cast iron pump suitable for pumping sewage, wastewater, storm water, etc. Type of Fluid Sewage, wastewater, and water carrying solid matters Temperature: 0 to 40°C (High temperature model available on special request) Discharge Bore 100mm Motor Output 2.2kW Power Supply Three-phase Starting Method Direct on Line Motor Continuous-duty rated, dry-type induction motor Insulation Class: E (available in F on special request) Degree of Protection: IP68 No. of Poles & Speed (Synchronous Speed) 4-pole, 1500/1800min⁻¹ (50/60Hz) Power Supply Voltages & Rated Currents <table><tr><td>50Hz</td><td>60Hz</td></tr><tr><td>380V – 5.1A</td><td>220V – 8.8A</td></tr><tr><td>400V – 5.0A</td><td>380V – 4.9A</td></tr><tr><td>415V – 5.0A</td><td>440V – 4.4A</td></tr></table> Power Cable Sheath: PVC Standard Length: 6m 380 to 600V supply: 1 × 4 × 1.25mm², O.D. 11.1mm 200 to 240V supply: 1 × 4 × 2.0mm², O.D. 11.8mm Dry Weight (excluding cable) Free Standing Type: 68kg Guide Rail Fitting Type: 64kg		50Hz	60Hz	380V – 5.1A	220V – 8.8A	400V – 5.0A	380V – 4.9A	415V – 5.0A	440V – 4.4A	Impeller Semi-open single-channel impeller for solid-handling design, dynamically balanced Solids Passage 50Hz – 47 × 53mm 60Hz – 47 × 46mm Cable Entry with Anti-Wicking Block Watertight cable entry with strain-relief device. The anti-wicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged. Bearings Permanently lubricated, deep-groove, double-shielded C3 ball bearings Shaft 420 stainless steel Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment. Upper Seal Faces: Ceramic + Carbon Lower Seal Faces: SiC + SiC Oil Seal (Lip Seal) Used as a “Dust Seal”, it protects the mechanical seal from abrasive particles. OIL LIFTER (Patented) Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume. Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 1350ml Motor Protection Device A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.	
50Hz	60Hz										
380V – 5.1A	220V – 8.8A										
400V – 5.0A	380V – 4.9A										
415V – 5.0A	440V – 4.4A										
Optional Accessories Bend Set (Free Standing Type) • Discharge Bend • JIS 10kg/cm² Screwed Flange TOS/TS Set (Guide Rail Fitting Type) • Duckfoot Bend • Guide Support • Guide Hook • Lifting Chain 5m (with Shackles) • JIS 10kg/cm² Screwed Flange (TOS Set only) External Leakage Sensor											
TSURUMI MANUFACTURING CO., LTD.											



DIMENSION DRAWING				No.		No.	A-16067-3
TYPE	Sewage Submersible Channel Impeller Pump			MODEL	80/100B42.2	-52/62	
					80/100B43.7	-52/62	



The Figure in () shows the dimensions of discharge Bore at Nominal Dia $\phi 100$.

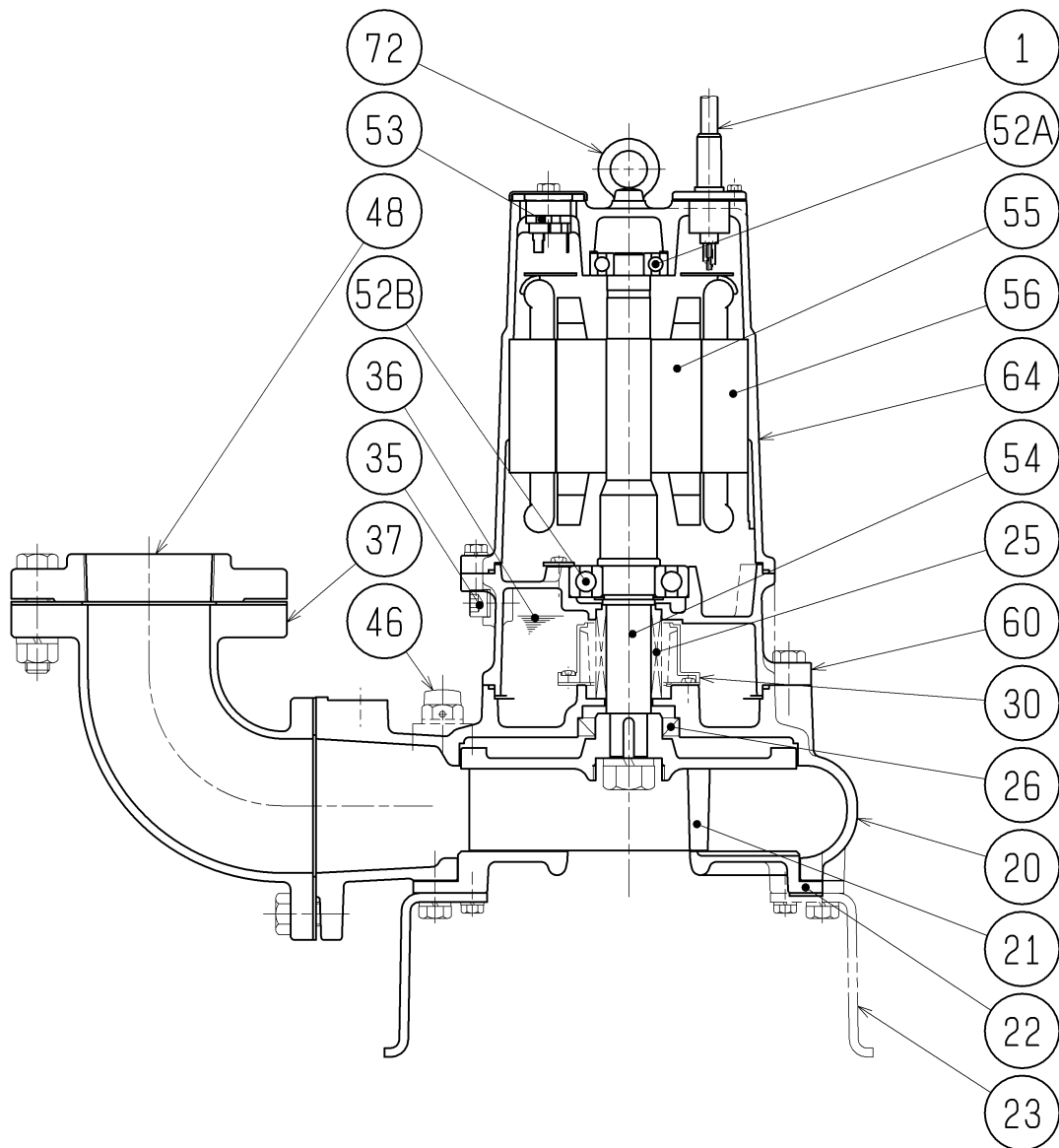
C. W. L. :Continuous running Water Level

L. W. L. :Lowest running Water Level

※excluding cable

MODEL	A	A1	A2	B	D	D1	D2	W1	W2	H	Approximate Weight (※)
80/100B42.2-52/62	568 (596)	322 (337)	154	304 (329)	324	158	166	570	225	616	68kg
80/100B43.7-52/62	574 (601)	322 (337)	159	309 (334)	333	158	175	645	235	690	84kg

SECTIONAL DRAWING			No.		No.	A-19419-2
TYPE	Sewage Submersible Channel Impeller Pump		MODEL	80/100B42.2	-52/62	
				80/100B43.7	-52/62	



				REQ. SPECIFICATION			
	2. 2kW	3. 7kW					
※1	H-30A	H-35A					
※2	TC456812	TC507212					
※3	6307ZZC3	6309ZZC3	※4 the wetted part				
No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	1	PVC Sheath	48	Screwed Flange	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6304ZZC3
21	Impeller	1	Gray Iron Casting	52B	Lower Bearing	1	※3
22	Suction Cover	1	Gray Iron Casting	53	Motor Protector	1	
23	Stand	3	Steel Plate	54	Shaft	1	Stainless Steel 420J2(※4)
25	Mechanical Seal	1	※1	55	Rotor	1	
26	Oil Seal	1	※2	56	Stator	1	
30	Oil Lifter	1	Plastic	60	Bearing Housing	1	Gray Iron Casting
35	Oil Plug	1	Stainless Steel 304	64	Motor Frame	1	Gray Iron Casting
36	Lubricant		Turbine Oil (ISO VG32)	72	Eye Bolt	2	Stainless Steel 304
37	Discharge Bend	1	Gray Iron Casting				
46	Air Release Valve	1	Nylon				