# Tsurumi Pump

### Sewage / Wastewater Pumps

	Jewage / Wastewater 1 unips
	CAZE C-series
SPECIFICATIONS Model 1000	C47.5 7.5kW, 3-phase
<b>Type of Pump</b> Submersible cast iron pump with a cutting device suitable for pumping sewage and wastewater	<b>Impeller</b> Semi-open single-channel impeller for solid-handling design, dynamically balanced. A sintered tungsten carbide alloy edge is blazed on the impeller vane.
<b>Type of Fluid</b> Sewage, wastewater, and water carrying solid matters Temperature: 0 to 40°C (High temperature model available on special request)	Solids Passage 50Hz – 76 × 69mm 60Hz – 71 × 68mm <b>Cable Entry with Anti-Wicking Block</b> 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 submerced
Discharge Bore 100mm	
Motor Output 7.5kW	submerged.
<b>Power Supply</b> Three-phase	Bearings Permanently lubricated, deep-groove, double-shielded C3 ball bearings
Starting Method Direct on Line (Star-Delta available on special request)	Shaft 420 stainless steel
Motor Continuous-duty rated, dry-type induction motor	<b>Shaft Seal</b> (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run
Insulation Class: F Degree of Protection: IP68	in a clean environment. Upper Seal Faces: Ceramic + Carbon Lower Seal Faces: SiC + SiC
No. of Poles & Speed (Synchronous Speed) 4-pole, 1500/1800min <sup>-1</sup> (50/60Hz)	
Power Supply Voltages & Rated Currents 50Hz 60Hz	<b>Oil Seal</b> (Lip Seal) Used as a "Dust Seal", it protects the mechanical seal from abrasive particles.
380V - 16.3A       220V - 27.6A         400V - 15.9A       380V - 15.6A         415V - 15.7A       440V - 13.7A	<b>OIL LIFTER</b> (Patented) Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil
Power Cable Sheath: Chloroprene rubber Standard Length: 8m	to the upper seal faces even if lubricant falls below the rated volume.
200 to 600V supply: 1 $\times$ 4 $\times$ 5.5mm <sup>2</sup> , O.D. 16.8mm	Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 5200ml
<b>Dry Weight</b> (excluding cable) Free Standing Type: 159kg Guide Rail Fitting Type: 152kg	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.
Optional Accessories	
<b>Bend Set</b> (Free Standing Type) • Discharge Bend • JIS 10kg/cm <sup>2</sup> Screwed Flange	<b>TOS/TS Set</b> (Guide Rail Fitting Type) <ul> <li>Duckfoot Bend</li> <li>Guide Support</li> </ul>

- Guide Support
   Guide Hook

  - Lifting Chain 5m (with Shackles)
    JIS 10kg/cm<sup>2</sup> Screwed Flange (TOS Set only)

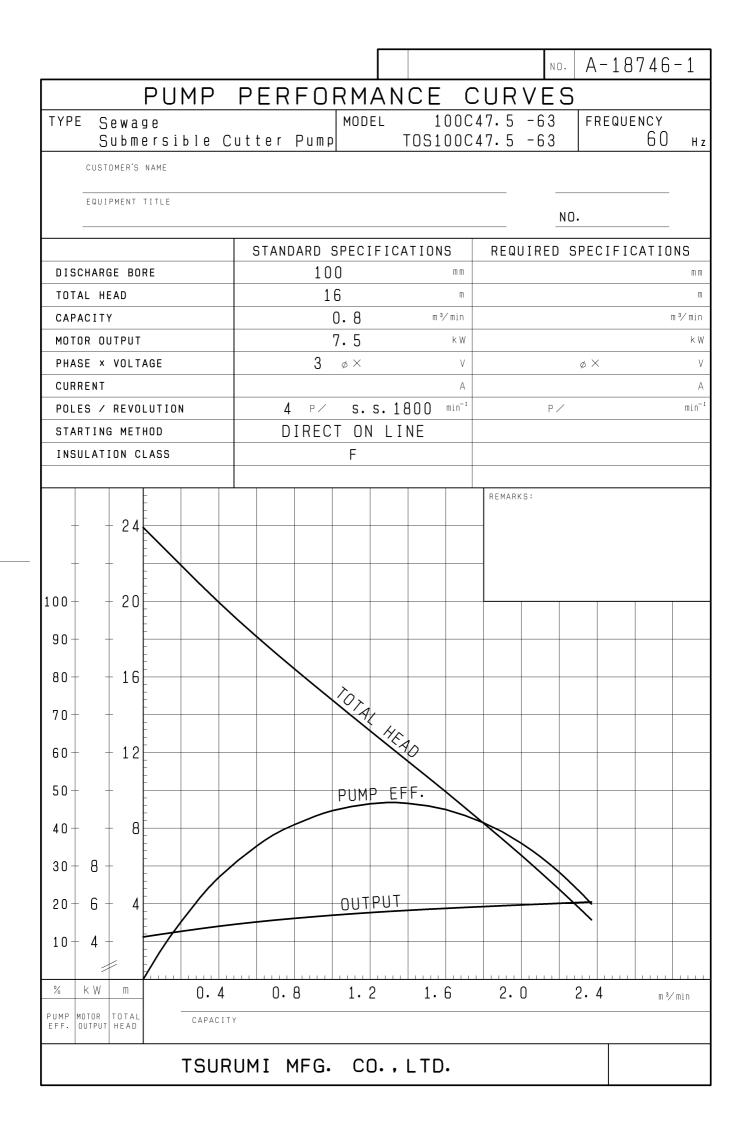
### External Leakage Sensor

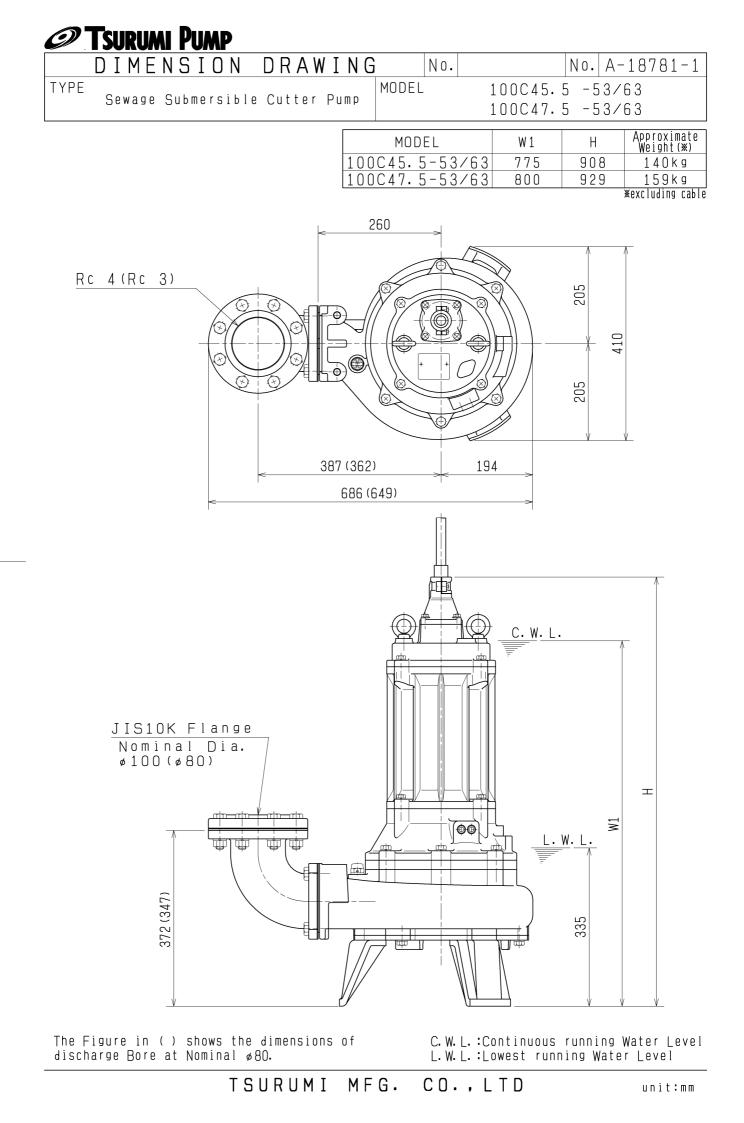
#### Stand Set (Free Standing Type)

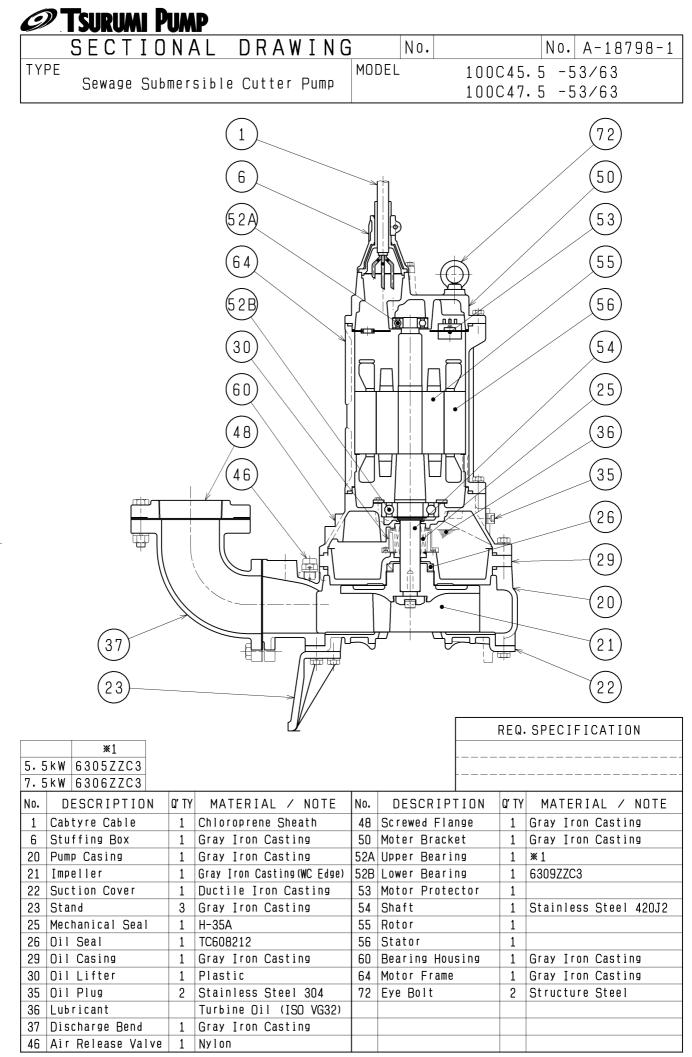
Stand

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