



Submersible Sewage Pump **50UT2.4S**

Sturdy cast pumps with no unnecessary frills

Cast Molded Body

Cast molding bodies stand up to a wide variety of uses.

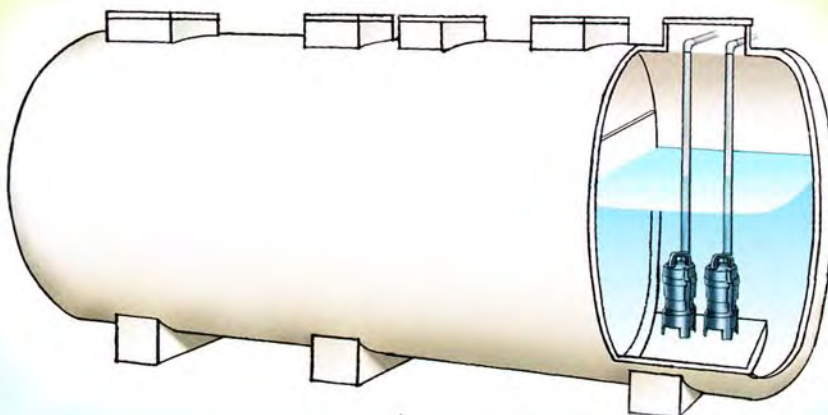
Large Passage for Foreign Objects

Because the pump utilizes a vortex impeller, it features a large 35-mm diameter passage, making it ideal for liquids containing various foreign objects.



● Applications

- Raw water transport for septic tanks
- Kitchen and sewage drainage
- Drainage for dirty water and sewage with stringy solids
- General wastewater drainage
- Rainwater drainage

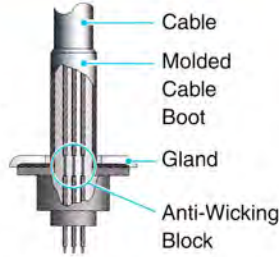


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Features

Anti-wicking cable entry

An anti-wicking block is provided at the cable entry section to the motor chamber. Should the cable jacket become damaged causing the tip of the cable to be immersed in water, ingress of water into the motor is prevented even if water travels along the lead cores by capillary phenomenon.



Automatic motor protection device

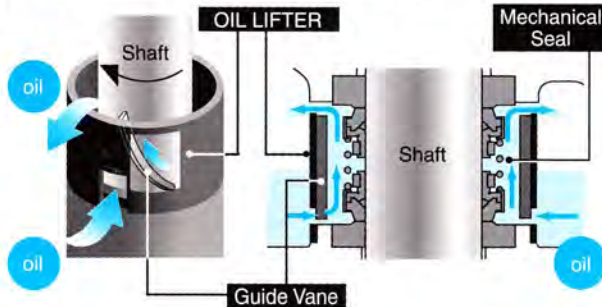
If something causes the motor windings to abnormally heat or an overcurrent to flow, the built-in automatic motor protection device automatically detects this to shut off circuits.

Dual-inside mechanical seal

With the dual-inside mechanical seal, both seal faces are lubricated in the oil chamber, and are lubricated and cooled by lubricating oil. As seals are not lubricated by pump fed fluids as in an outboard type, trouble caused by corrosion of metal parts or internal accumulation of debris is eliminated.

OIL LIFTER (patent pending)

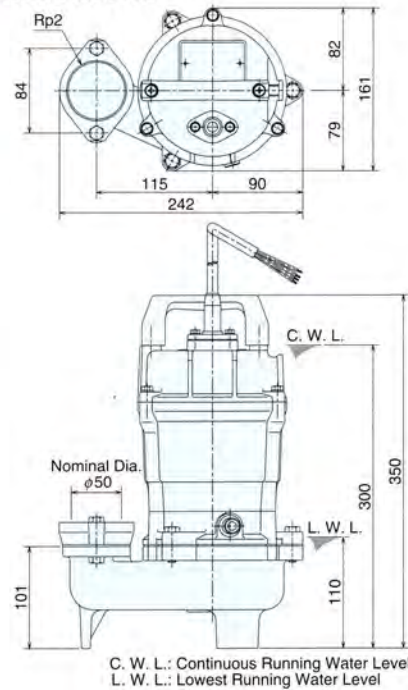
The OIL LIFTER mechanism functions to supply oil to the top seal faces even if the lubricant in the oil chamber falls below the rated value, and to stably lubricate and cool the seal faces. This unique mechanism helps extend the service life of the mechanical seal.



Major Standard Specifications

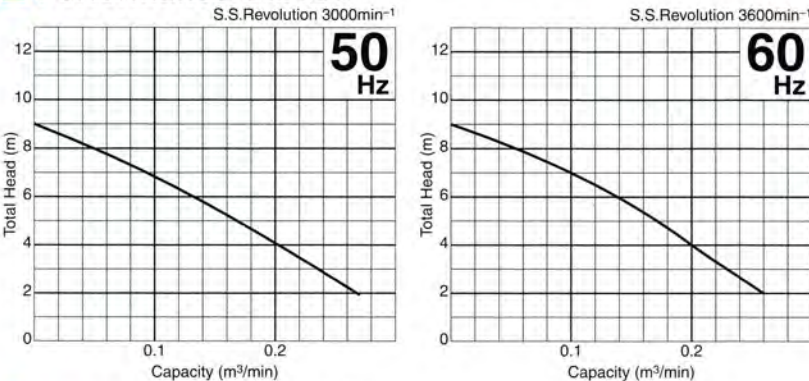
Discharge Bore Size (mm)		50	
Pumping Fluid	Type of Fluid	Waste water, sewage, and liquid carrying waste and solid matters	
	Liquid Temperature	0-40°C	
Pump	Components	Impeller	Vortex type
		Shaft Seal	Double mechanical seal
	Materials	Bearing	Shielded ball bearing
Impeller		Glass fiber reinforced resin (Polyphenylene Oxide)	
Casing		Gray Iron Casting	
	Shaft Seal (Mechanical seal)	SiC+Ceramic, Carbon+Ceramic	
Motor	Type, poles	Dry-type submersible induction motor, 2 poles	
	Insulation	Class E	
	Phase/Voltage	Single-phase/110V, 220V, 230V, 240V	
	Motor Protector (Built in)	Miniature protector	
	Lubricant	Turbine oil (ISO VG32)	
	Materials	Frame	Gray Iron Casting
Shaft		Stainless Steel #403	
Cable		PVC sheath	
Discharge Connection		Screwed flange	

Dimensions



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

Performance Curves



Specifications 50/60Hz

Model	Discharge Bore (mm)	Motor Output (kW)	Phase	Revolution 50Hz/60Hz (min ⁻¹)	Starting Method	Max. Head 50Hz/60Hz (m)	Max. Capacity 50Hz/60Hz (m³/min.)	Impeller Passage (mm)	Standard Cable Length (m)	Dry weight (kg)
50UT2.4S	50	0.4	Single	3000/3600	Capacitor Run	9	0.27/0.26	35	5	14

- Dry weight of the pump excluding cable.
- For use in combination with a guide rail fitting, please order the TOK-type guide rail fitting separately.

We reserve the right to change the specifications and designs for improvement without prior notice.

**TSURUMI
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