TSURUMI PUMP

Submersible Sewage Pumps

Vortex Impeller

UT

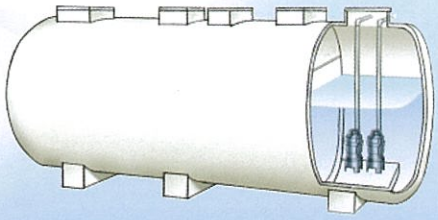
Compact Type Cast Iron Pumps with No Unnecessary Frills

Economic Model

The UT-series is economic model of the U-series, vortex pump. It is applicable to a wide variety of applications.

Large Diameter Passage

The pump has a large diameter passage that makes it ideal for liquid containing various foreign matters.



NEW

Applications

- Transferring wastewater between the tanks at small-scale treatment facility
- Draining sewage from factory, residence, hotel, restaurant, etc.
- Pumping rainwater and springwater at a place where foreign matters are likely to run into the water

Amenics
Amenities from Technology for People and the Earth

Submersible Sewage Pumps

Vortex UT

• Features

Anti-wicking Cable Entry

An anti-wicking block is provided at the cable entry section of the motor chamber. Even if the cable jacket becomes damaged or the tip of the cable is accidentally immersed in water, this device prevents water from traveling into the motor chamber through capillary action.

Motor Protector

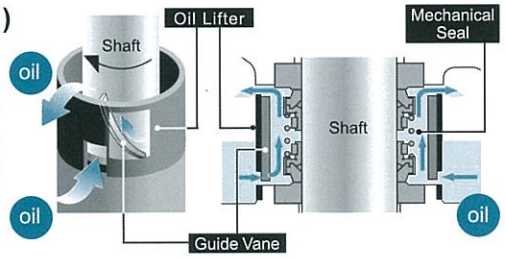
A built-in thermal motor protection device reacts to the heat caused by overcurrent or run-dry conditions. It not only cuts off the motor circuit automatically but also resets by itself. When the motor cools down to a safe operating temperature, the motor restarts.

Dual Inside Mechanical Seal

The dual inside mechanical seal (dual face mechanical seal located in an oil bath) is incorporated in all pumps. As both top and bottom sealing faces are lubricated by the oil only, it ensures a longer life of the product and a stable sealing effect.

Oil Lifter (Patent Pending)

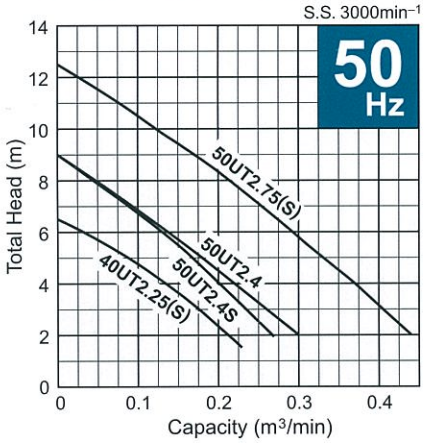
The Oil Lifter is a lubricating device that forcibly lubricates the mechanical seal. It further stabilizes the functions of the mechanical seal and extends the life expectancy of the seal and also the inspection term.

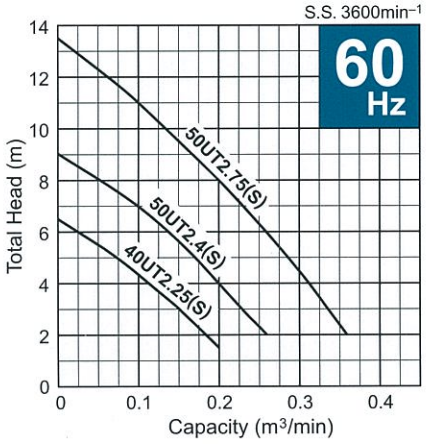


• Major Standard Specifications

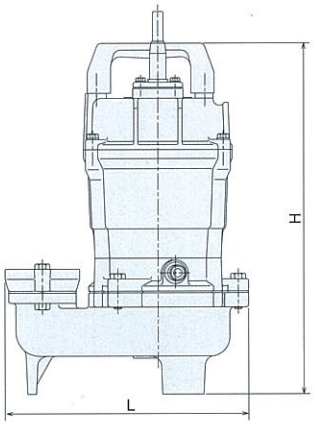
Discharge Bore mm			40	50
Pumping Fluid	Type of Fluid		Sewage, Wastewater, and Liquid carrying Waste and Solid Matters	
	Fluid Temperature		0 to 40□C	
Pump	Structure	Impeller	Vortex	
		Shaft Seal	Double Mechanical Seal (with Oil Lifter)	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Glass-fiber Reinforced Resin	
		Casing	Gray Cast Iron	
		Shaft Seal	Ceramic	
Motor	Type, Pole		Dry Type Submersible Induction Motor, 2-pole	
	Insulation		Class E	
	Phase		Single-phase (suffix "S") Three-phase	
	Starting Method		Capacitor Run (single-phase only) Direct on Line	
	Protection Device (Built-in)		Circle Thermal Protector Miniature Thermal Protector (40UT2.25S & 50UT2.4S only)	
	Lubricant		Turbine Oil (ISO VG32)	
	Materials	Frame	Gray Cast Iron	
		Shaft	403 Stainless Steel	
		Cable	PVC	
Discharge Connection			Screwed Flange	

• Performance Curves





• Dimensions



• Standard Specifications 50/60Hz

Discharge Bore mm	Model: Free Standing	Model: Guide Rail Fitting	Motor Output kW	Phase	Speed (S.S.) min⁻¹	Starting Method	Impeller Passage mm	Dimensions L × H mm	Dry Weight kgs	Cable Length m
40	40UT2.25S	(TOK)	0.25	Single	3000/3600	Capacitor Run	35	239 × 350	14	5
40	40UT2.25	(TOK)	0.25	Three	3000/3600	D.O.L.	35	239 × 350	13.5	5
50	50UT2.4S	(TOK)	0.4	Single	3000/3600	Capacitor Run	35	242 × 350	14	5
50	50UT2.4	(TOK)	0.4	Three	3000/3600	D.O.L.	35	242 × 350	13.5	5
50	50UT2.75S	(TOK)	0.75	Single	3000/3600	Capacitor Run	35	242 × 406	17	5
50	50UT2.75	(TOK)	0.75	Three	3000/3600	D.O.L.	35	242 × 406	16	5

- For use in combination with the guide rail fitting, order the pump and the TOK-type guide rail fitting individually.
- Weights excluding cable

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

TSURUMI MANUFACTURING CO., LTD.

Your Dealer

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