

# TM

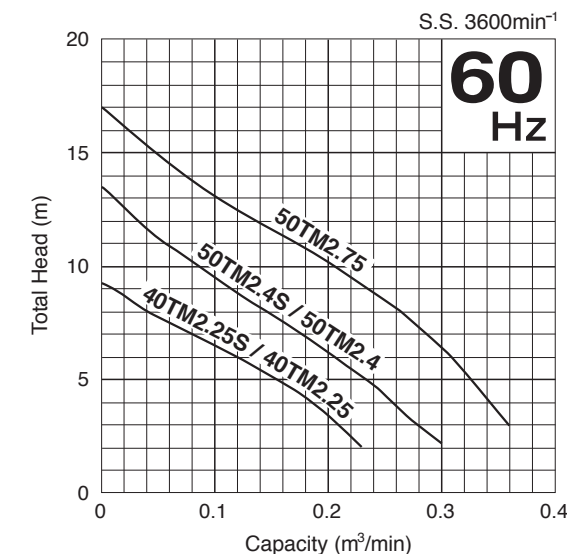
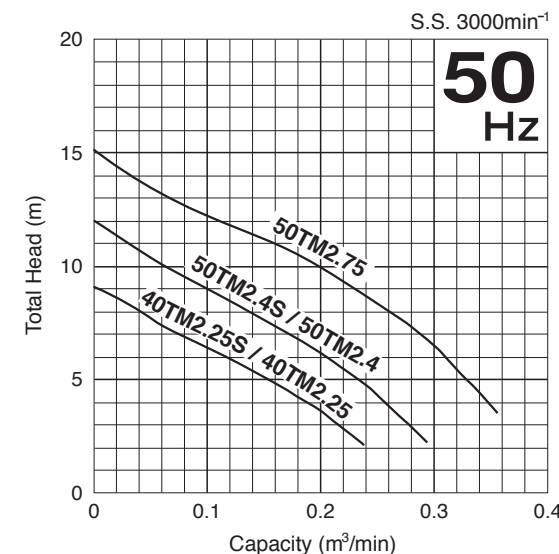
The TM-series is one of the Tsurumi VANCS-series. Being all wetted parts made of titanium and special resin, the pump is not only lightweight but corrosion-resistant against seawater and fits marine use.



### Applications

- Pumping seawater from bilge and pit of vessel
- Supplying seawater to aquarium
- Circulating seawater in breeding pond

### Performance Curves



\* Standard and Automatic models have the identical performance.

### Major Standard Specifications

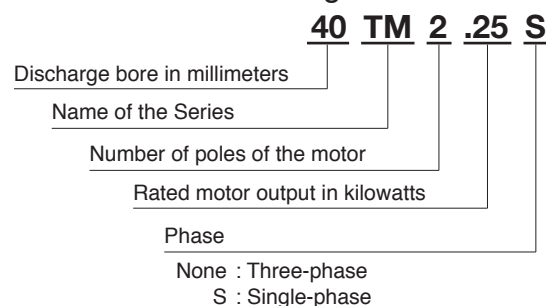
Discharge Bore		mm	40	50
Pumping Fluid	Type of Fluid	Seawater		
	Fluid Temperature	0 to 40°C		
Pump	Structure	Impeller	Vortex Impeller	
		Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Fiber-reinforced Plastic	
		Casing	Fiber-reinforced Plastic	
	Shaft Seal	SiC		
Motor	Type, Pole	Dry Type Submersible Induction Motor 2-pole		
	Class of 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 (single-phase only)		
	Lubricant	Turbine Oil (ISO VG32)		
	Materials	Frame	Titanium	
		Shaft	Titanium	
Cable		PVC		
Discharge Connection		Screwed Flange		

### Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min <sup>-1</sup>	Impeller Passage 50Hz/60Hz mm	Dry Weight * kgs		No. of Cables	Cabtyre Cable					
	Standard	Automatic					Standard Model	Automatic Model		200 ~ 240 V		380 ~ 575 V		Length m	Material
40	40TM2.25S	40TMA2.25S	0.25	Capacitor Run	3000/3600	10	6.7	7.2	1	110 ~ 120 V 3 × 1.25   10.1		220 ~ 240 V 3 × 1.25   10.1			
40	40TM2.25	40TMA2.25	0.25	D.O.L.	3000/3600	10	5.7	6.2	1	4 × 1.25   11.1		4 × 1.25   11.1		6	PVC
50	50TM2.4S	50TMA2.4S	0.4	Capacitor Run	3000/3600	10	6.7	7.2	1	110 ~ 120 V 3 × 1.25   10.1		220 ~ 240 V 3 × 1.25   10.1		5	PVC
50	50TM2.4	50TMA2.4	0.4	D.O.L.	3000/3600	10	6.6	7.1	1	4 × 1.25   11.1		4 × 1.25   11.1		6	PVC
50	50TM2.75	50TMA2.75	0.75	D.O.L.	3000/3600	10	7.8	8.4	1	4 × 1.25   11.1		4 × 1.25   11.1		6	PVC

\* Weights excluding cable

### Model Number Designation



### Standard Accessories

- Screwed Flange