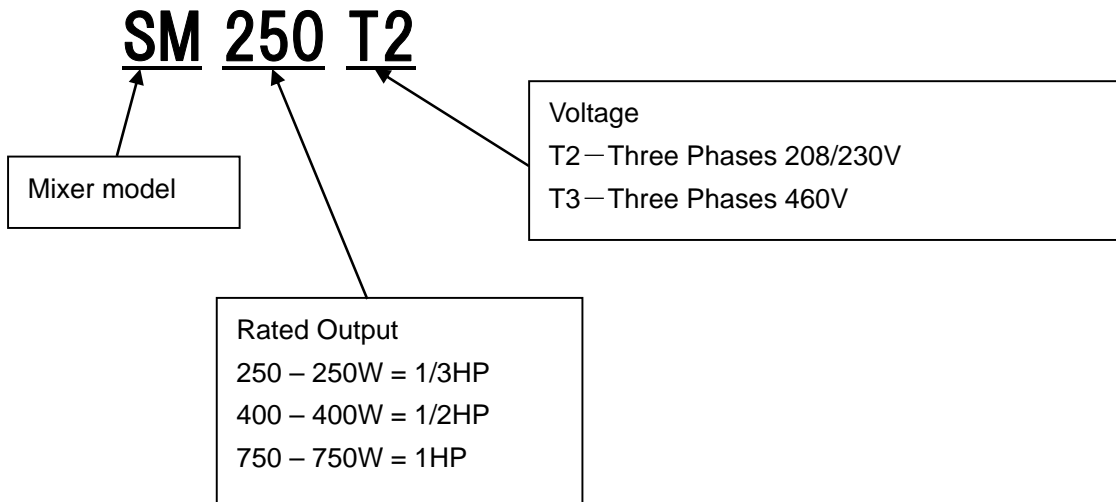


## ShinMaywa Submersible Mixer SM/SME

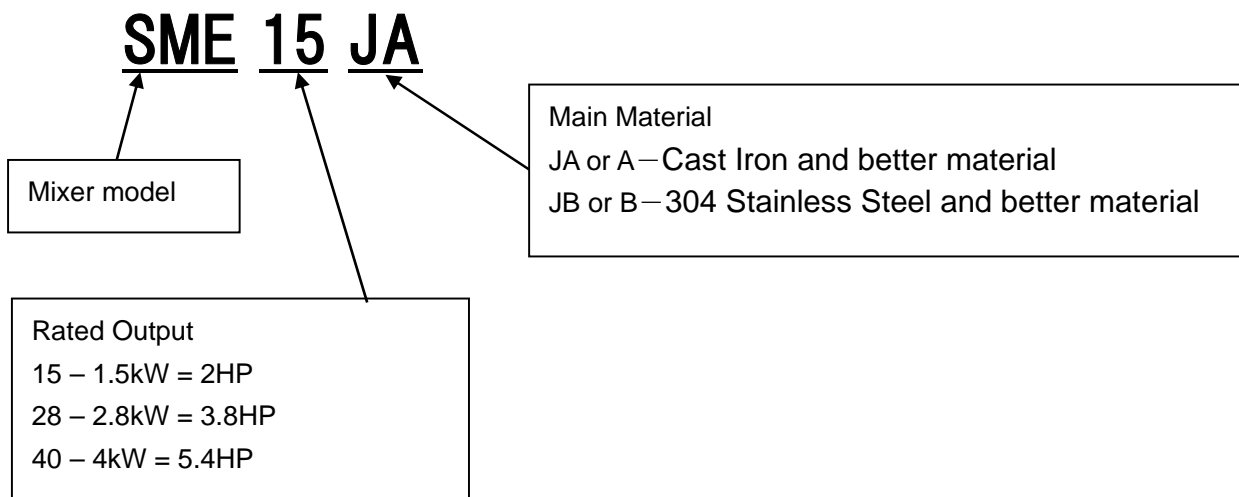
### MODEL DESIGNATION

---

- ◆ Model (for SM250-750)



- ◆ Model (for SME15-40)



## ShinMaywa Submersible Mixer SM/SME

### SPECIFICATIONS

Model: SM250-750, SME15-40

DESCRIPTION	STANDARD	OPTIONAL
<b>●Model: SM250-750</b>		
Range of kW (HP)	0.25 (1/3), 0.4 (1/2), 0.75 (1)	
Range of Thrust (N)	44-125	
Range of Capacity (m <sup>3</sup> /min)	1.5 – 3.4	
Motor (Non-explosion)	Insulation Class F, Three Phase	
Voltage / Hz	208/230V · 460V / 60Hz	
Synchronous Speed	1800 RPM	
Propeller Outer Dia. (mm)	136 (for SM250), 150 (for SM400), 180 (for SM750)	
Material		
Propeller	Ductile Cast Iron (FCD500(ASTM A536 Gr.65-45-12))	Stainless
Shaft	420J2 Stainless Steel	
Stator Housing	Cast Iron (FC200(ASTM A48 Class 30))	
Draft Ring	304 Stainless Steel	Removal
Mechanical Seal Material	Double Mechanical seal – One Coil Double	
Propeller Side	Silicon Carbide / Silicon Carbide	
Other Side	Silicon Carbide / Silicon Carbide	
Bearing		
Propeller Side	Single Deep Groove Ball Bearing	
Other Side	Single Deep Groove Ball Bearing	
Motor Protection	Thermal Protector (Auto-reset Type)	
Accessory	Submersible Cable Type VCT 50ft (15m)	Longer Cable
Optional Accessory	Flow Stabilizer	
<b>●Model: SME15-40</b>		
Range of kW (HP)	1.5 (2), 2.8 (3.8), 4 (5.4)	
Range of Thrust (N)	175-850	
Range of Capacity (m <sup>3</sup> /min)	5.6 – 17.0	
Motor (Non-explosion)	Insulation Class F, Three Phase	
Voltage / Hz	208/230V · 460V / 60Hz	
Synchronous Speed	1200 RPM (for SME15), 900 RPM (for SME28,40)	
Propeller Outer Dia. (mm)	254 (for SME15J), 300 (for SME15), 350 (for SME28,40)	
Material		
Propeller	Cast Stainless (SCS14)	

Shaft	316 Stainless Steel	Removal
Stator Housing	Cast Iron (FC250(ASTM A48 Class 35)) (for SME-A) Cast Stainless (SCS14) (for SME-B)	
Draft Ring	304 Stainless Steel	
Mechanical Seal Material	Double Mechanical seal – One Coil Double	
Propeller Side	Silicon Carbide / Silicon Carbide	
Other Side	Silicon Carbide / Silicon Carbide	
Bearing		
Propeller Side	Single Deep Groove Ball Bearing	
Other Side	Single Deep Groove Ball Bearing (Creep Prevention Type)	
Motor Protection	Built-in Micro Thermal Protector	
Accessory	Submersible Cable Type 2PNCTS 50ft (15m)	Longer Cable
Optional Accessory	Flow Stabilizer Leakage Detector Cable	Longer Cable

●Applicable Liquid Quality

When considering use outside the range stated in the table below, please contact us in advance.  
In addition, even if it falls within the range of the table below, if you include special ingredients (Such as chemicals), special impurities (solids, textiles), please contact us in advance.

Liquid type	Sewage	Chlorine ion	Max.1,000mg/L
Liquid specific gravity	Max.1.1	Sludge concentration	Max.5%
Viscosity	Max.1000mPa.s	Depth of water	Max.10m
Liquid temperature	0~40°C	pH	6~9

Note: Check the specifications for specifications drawing if the product has been customized at your request.

Do not use the product outside the range of specifications.

Note: Check the specification nameplate for voltage, rated current value, frequency.

Note: Allowable value of voltage fluctuation is within  $\pm 10\%$ . However, if there is a voltage fluctuation, the characteristics of the electric motor, temperature rise, etc. do not comply with the rated value, and the product life may be shortened. If the current value exceeds the rated value due to voltage fluctuation, the motor protection device may operate. In this case, reduce the width of the voltage fluctuation and make sure that the current value does not exceed the rated value.

Note: The model with propeller code shown in the table below cannot be used in liquids containing a lot of foreign matter or in liquids with specific gravity of 1.03 or more.

Model	Propeller Code
SME15	3022

Note: Even if the liquid type is sewage, if there are a lot of contaminants, the propeller may catch many foreign substances and cause overcurrent. Therefore please consider preprocessing such as screen installation.