

# STM-E Series

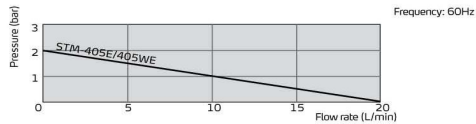
## Specifications

Model	Max. Temp.	Pipe Heater (kW)	Pump Power (kW)	Max. pump Flow (L/min)	Max. pump Pressure (bar)	Heating Tank Number	Main/Sub. Oil Tank (L)	Water Heating Tank Capacity (L)	Cooling Method	Mould Coupling (inch)	Inlet/Outlet (inch)	Dimensions (mm) (H x W x D)	Weight (kg)
STM-405-E(Oil)	150°C	4	0.37	20	3	1	6 / 3.2	-	Indirect	3/8 (2x2)	3/4 / 3/4	635×280×740	65
STM-405-WE(Water)	120°C	4	0.37	23.5	3	1	-	2.3	Direct	3/8 (2x2)	3/4 / 3/4	575×285×505	33

Notes: 1) Pump testing standard: Power of 50/60Hz, purified water at 20°C.  
(There is ±10% tolerance for both max. flow rate and max. pressure).  
2) \*\* stands for options.  
3) Power supply: 3Φ, 230/400/460/575VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.

### Pump Performance Curve



### Reference formula of Mould Controllers model selection

Heater Power (kW) = mould weight (kg) × mould specific heat (kcal/kg°C) × Temperature difference between mould and environment (°C) × safety coefficient / heating duration / 860

Notes: Safety coefficient range 1.3~1.5.

Flow Rate (L/min) = heater power (kW) × 860 / [heating medium specific (kcal/kg°C) × heating medium density (kg/L) × in/outlet temperature difference (°C) × time (60)]

Notes: Water specific heat =1kcal/kg°C  
Heating medium oil specific heat =0.49kcal/kg°C  
Water density =1kg/L  
Heating medium oil density =0.842kg/L