

STM Series

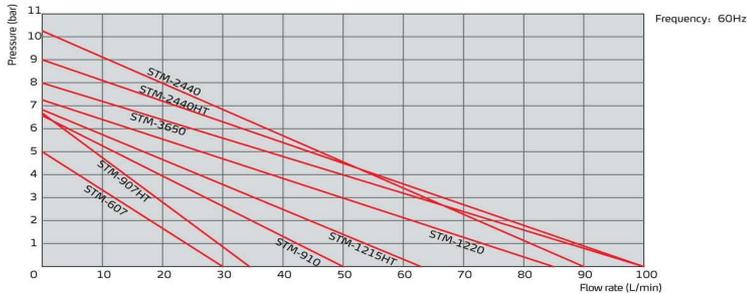
Specifications

Model	Max. Temp.	Pipe Heater (kW)	Pump Power (kW) (50/60Hz)	Max. pump Flow (L/min) (50/60Hz)	Max. pump Pressure (bar) (50/60Hz)	Heating Tank Number	Main/Sub. Oil Tank (L)	Cooling Method	Mould Coupling* (inch)	Inlet/Outlet (inch)	Dimensions (mm) (H×W×D)	Weight (kg)
STM-607	200°C	6	0.55/0.63	27/30	3.8/5	1	6/3.2	Indirect	3/8 (2×2)	3/4 / 3/4	635×320×740	65
STM-607-D		6×2	2×0.55 / 2×0.63	2×27 / 2×30	3.8/5	2	2×6/2×3.2		3/8 (4×2)	3/4 / 3/4	655×560×740	130
STM-910		9	0.75/0.92	42/50	5.0/6.4	1	6/3.2		3/8 (2×2)	3/4 / 3/4	635×320×740	70
STM-910-D		9×2	2×0.75 / 2×0.92	2×42 / 2×50	5.0/6.4	2	2×6/2×3.2		3/8 (4×2)	3/4 / 3/4	655×560×740	140
STM-1220		12	1.5/1.9	74/84	6.2/7.2	1	6.8/11.8		3/8 (4×2)	1 / 1	795×340×845	100
STM-2440		24	2.8/3.4	90/90	8.0/10.2	2	11/16		1 (1×2)	1 / 1	900×390×935	145
STM-3650		36	4/4	100/100	8.0/8.0	3	14/16		1 1/4 (1×2)	1 1/4 / 1 1/4	900×385×980	155
STM-907-HT	300°C	9	0.5/0.63	28/34	4.8/6.5	1	6/6	Indirect	3/8 (2×2)	3/4 / 3/4	695×280×740	75
STM-1215-HT		12	1.0/1.1	58/63	5.8/6.8	1	6.8/16		1 (1×2)	1 / 1	795×340×820	100
STM-2440-HT		24	2.8/3.43	100/100	8/9	2	16/25		1 (1×2)	1 / 1	1050×515×910	190

Notes: 1) "*" stands for options.
 2) "D" stands for dual-heating zones. "HT" stands for high temperature model.
 3) Pump testing standard: Power of 50/60Hz, purified water at 20°C. (There is ±10% tolerance for either max. flowrate or max. pressure).
 4) Power supply: 3Φ, 230 / 400 / 460 / 575VAC, 50 / 60Hz.

We reserve the right to change specifications without prior notice.

Pump Performance



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(H) / 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 (60Min)]

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