

SPECIFICATIONS		HMT Series	
MACHINE TYPE	UNIT	HMT 550T	
		5 Point Toggle	
<b>INJECTION UNIT</b>	-	<b>4000</b>	
Screw Diameter	mm	90*(7)	100
Screw Type	-	GP	
Screw L/D Ratio	-	22.2	20
Theoretical Volume ( *1)	cm <sup>3</sup>	2290	2826
Shot Weight (PS) ( *2)	g	2175.5	2685
Plasticizing Capacity (PS) ( *3)	g / s	80	83
Max. Injection Pressure	bar	1695	1375
Injection Rate ( *4)	cm <sup>3</sup> / s	527	651
Screw Stroke	mm	360	
Nozzle Protrusion	mm	65	
Screw revolution	rpm	100	
Automatic Temperature Control	Zone	1+6	
<b>CLAMPING UNIT</b>			
Mold clamping force	ton	550	
Mold opening stroke	mm	880	
Min. / Max. Mold height	mm	350/900	
Maximum Daylight	mm	1780	
Tie Bar Distance (H x V)	mm	900 x 810	
Mold Platen Size (H x V)	mm	1320 x 1260	
Ejector Stroke	mm	300	
Ejector Force	ton	12	
<b>ELECTRIC DEVICES</b>			
Servo Drive ( *5)	KW	8+14	
Heater	KW	44.4	
<b>GENERAL</b>			
Machine Weight (* 8)	ton	29	
Machine Size (L x W x H) (* 8)	m	9.3 x 2.4 x 2.8	
Hydraulic Oil Tank Capacity	ltrs.	850	
Hopper Loader (0.9 KW Motor)	kg./hr.	150	
Cooling Water consumption	ltrs./min.	20	

**Note :**

- Theoretical shot volume = Screw cylinder sectional area x screw stroke.
- Shot weight is assumed as 95% of the theoretical shot volume in case of polystyrene.
- Plasticizing capacity is the value in case of polystyrene at Max. Screw RPM and depends on processing parameters.
- Injection rate mentioned in AIR SHOT operation.
- Servo drive power mentioned is average power consumption depends on processing parameters.
- Machine comes with air cooler/radiator for oil cooling.
- (\*) Indicates preferred model.
- 8. Only for reference.**

9. Specifications are subject to change without notice.

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