

SPECIFICATIONS		HMT SERIES	
<b>MACHINE TYPE</b>	<b>UNIT</b>	<b>HMT 160 T</b>	
		<b>5 Point Toggle</b>	
<b>INJECTION UNIT</b>	<b>-</b>	<b>630</b>	
Screw Diameter	mm	45	52 (*7)
Screw Type	-	GP	
Screw L/D Ratio	-	19	16
Theoretical Volume ( *1)	cm <sup>3</sup>	286	382
Shot Weight (PS) ( *2)	g	272	363
Plasticizing Capacity (PS) ( *3)	g / s	23	35
Max. Injection Pressure	bar	2320	1740
Injection Rate ( *4)	cm <sup>3</sup> / s	150	200
Screw Stroke	mm	180	
Nozzle Protrusion	mm	45	
Screw Revolution	rpm	210	
Automatic Temperature Control	Zone	1 + 3	
<b>CLAMPING UNIT</b>			
Mold clamping force	ton	160	
Mold opening stroke	mm	400	
Min. / Max. Mold height	mm	220 / 500	
Maximum Daylight	mm	900	
Tie Bar Distance (H x V)	mm	510 X 410	
Mold Platen Size (H x V)	mm	740 X 650	
Ejector Stroke	mm	100	
Ejector Force	ton	4.6	
<b>ELECTRIC DEVICES</b>			
Servo Drive ( *5)	KW	8	
Heater	KW	10.11	
<b>GENERAL</b>			
Machine Weight (* 8)	ton	6.6	
Machine Size (L x W x H) (* 8)	m	5.1 x 1.7 x 2.4	
Hydraulic Oil Tank Capacity	ltrs.	400	
Hopper Loader (0.9kw Motor)	kg./hr.	150	
Cooling Water consumption	ltrs./min.	10	

**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.
- Only for reference.
- Specifications are subject to change without notice.