

SPECIFICATIONS		HMT SERIES	
MACHINE TYPE	UNIT	HMT 220 T	
		5 Point Toggle	
INJECTION UNIT	-	1000	
Screw Diameter	mm	52	60 (*7)
Screw Type	-	GP	
Screw L/D Ratio	-	21	18
Theoretical Volume (*1)	cm ³	467	622
Shot Weight (PS) (*2)	g	444	591
Plasticizing Capacity (PS) (*3)	g / s	45	59
Max. Injection Pressure	bar	2175	1636
Injection Rate (*4)	cm ³ / s	251	334
Screw Stroke	mm	220	
Nozzle Protrusion	mm	65	
Screw Revolution	rpm	255	
Automatic Temperature Control	Zone	1 + 3	
CLAMPING UNIT			
Mold clamping force	ton	220	
Mold opening stroke	mm	500	
Min. / Max. Mold height	mm	230/500	
Maximum Daylight	mm	1000	
Tie Bar Distance (H x V)	mm	560 x 560	
Mold Platen Size (H x V)	mm	820 x 820	
Ejector Stroke	mm	110	
Ejector Force	ton	4.5	
ELECTRIC DEVICES			
Servo Drive (*5)	KW	14	
Heater	KW	16.62	
GENERAL			
Machine Weight (* 8)	ton	9.5	
Machine Size (L x W x H) (* 8)	m	5.6 x 1.9 x 2.4	
Hydraulic Oil Tank Capacity	ltrs.	600	
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.