

SPECIFICATIONS		HMT PET SERIES
MACHINE TYPE	UNIT	HMT 220T
INJECTION UNIT	-	1080
Screw Diameter	mm	70
Screw Type	-	PET
Screw L/D Ratio	-	24
Theoretical Volume /stroke volume (*1)	cm ³	846
Shot Weight (PET) (*2)	g	949
Plasticizing Capacity (PET) (*3)	g / s	102
Max. Injection Pressure	g / s	1277
Injection Rate	bar	537
Screw Stroke	cm ³ / s	220
Nozzle Contact Force	mm	6.81
Nozzle Protrusion	mm	65
Screw Revolution	rpm	160
Automatic Temperature Control	Zone	5
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	7
ELECTRIC DEVICES		
Servo Drive (* 4)	KW	14
Heater	KW	26
GENERAL		
Machine Weight (* 5)	ton	9.5
Machine Size (L x W x H) (* 5)	m	5.8 x 1.9 x 2.4
Hydraulic Oil Tank Capacity	ltrs.	600
Cooling Water consumption (* 6)	kg./hr.	10

Note :

1. Theoretical shot volume = Screw cylinder sectional area x screw stroke.
2. Shot weight is calculated considering melt density of 1.18 for PET assuming as 95% of the theoretical shot volume.
3. Plasticizing capacity is the value in the case of PET.
4. Servo drive power mentioned is average power consumption depends on processing parameters.
5. **Only for reference.**
6. Machine comes with air cooler/radiator for oil cooling.
7. **Specifications are subject to change without notice.**