

SPECIFICATIONS		HMS SERIES	
MACHINE TYPE	UNIT	HMS 440 T	
		Hydro Mechanical	
INJECTION UNIT	-	4000	
Screw Diameter	mm	90 (*7)	100
Screw Type	-	GP	
Screw L/D Ratio	-	22	20
Theoretical Volume (*1)	cm ³	2290	2826
Shot Weight (PS) (*2)	g	2176	2685
Plasticizing Capacity (PS) (*3)	g / s	80	83
Max. Injection Pressure	bar	1695	1375
Injection Rate (*4)	cm ³ / s	527	651
Screw Stroke	mm	360	
Nozzle Protrusion	mm	50	
Screw Revolution	rpm	100	
Automatic Temperature Control	Zone	1 + 6	
CLAMPING UNIT			
Mold clamping force	ton	440	
Mold opening stroke	mm	1063-775	
Min. / Max. Mold height	mm	437/725	
Maximum Daylight	mm	1500	
Tie Bar Distance (H x V)	mm	735 X 735	
Mold Platen Size (H x V)	mm	1100X1100	
Ejector Stroke	mm	200	
Ejector Force	ton	8	
ELECTRIC DEVICES			
Servo Drive (*5)	KW	8 + 14	
Heater	KW	44.2	
GENERAL			
Machine Weight (* 8)	ton	22.5	
Machine Size (L x W x H) (* 8)	m	8.2X2.0X2.7	
Hydraulic Oil Tank Capacity	ltrs.	850	
Hopper Loader (0.9kw 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.
- Only for reference.
- Specifications are subject to change without notice.