

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 :

1. Theoretical shot volume = Screw cylinder sectional area x screw stroke.
2. Shot weight is assumed as 95% of the theoretical shot volume in case of polystyrene.
3. Plasticizing capacity is the value in case of polystyrene at Max. Screw RPM and depends on processing parameters.
4. Injection rate mentioned in AIR SHOT operation.
5. Servo drive power mentioned is average power consumption depends on processing parameters.
6. Machine comes with air cooler/radiator for oil cooling.
7. (*) Indicates preferred model.
8. Only for reference.
9. Specifications are subject to change without notice.

SPECIFICATIONS		HMS SERIES		
MACHINE TYPE	UNIT	HMS 660 T		
		Hydro Mechanical		
INJECTION UNIT	-	6400		
Screw Diameter	mm	110	120 (*7)	130
Screw Type	-	GP		
Screw L/D Ratio	-	21	19	19
Theoretical Volume (*1)	cm ³	3990	4748	5571
Shot Weight (PS) (*2)	g	3791	4511	5291
Plasticizing Capacity (PS) (*3)	g / s	102	105	114
Max. Injection Pressure	bar	1608	1350	1150
Injection Rate (*4)	cm ³ / s	680	810	940
Screw Stroke	mm	420		
Nozzle Protrusion	mm	50		
Screw Revolution	rpm	80		
Automatic Temperature Control	Zone	1 + 6		
CLAMPING UNIT				
Mold clamping force	ton	660		
Mold opening stroke	mm	1600-1100		
Min. / Max. Mold height	mm	500/1000		
Maximum Daylight	mm	2100		
Tie Bar Distance (H x V)	mm	940 / 940		
Mold Platen Size (H x V)	mm	1400 / 1400		
Ejector Stroke	mm	200		
Ejector Force	ton	8		
ELECTRIC DEVICES				
Servo Drive (*5)	KW	14+14		
Heater	KW	51.15		
GENERAL				
Machine Weight (* 8)	ton	32		
Machine Size (L x W x H) (* 8)	m	11X2.4X3		
Hydraulic Oil Tank Capacity	ltrs.	1200		
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.
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