

SPECIFICATIONS		HMT SERIES	
MACHINE TYPE	UNIT	HMT 160 T	
		5 Point Toggle	
INJECTION UNIT	-	630	
Screw Diameter	mm	45	52 (*7)
Screw Type	-	GP	
Screw L/D Ratio	-	19	16
Theoretical Volume (*1)	cm ³	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 ³ / s	150	200
Screw Stroke	mm	180	
Nozzle Protrution	mm	45	
Screw Revolution	rpm	210	
Automatic Temperature Control	Zone	1 + 3	
CLAMPING UNIT			
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	
ELECTRIC DEVICES			
Servo Drive (*5)	KW	8	
Heater	KW	10.11	
GENERAL			
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 :			
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		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 :

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		HMT SERIES	
MACHINE TYPE	UNIT	HMT 360T	
		5 Point Toggle	
INJECTION UNIT	-	2420	
Screw Diameter	mm	68	76 (*7)
Screw Type	-	GP	
Screw L/D Ratio	-	21	19
Theoretical Volume (*1)	cm ³	1180	1474
Shot Weight (PS) (*2)	g	1121	1400
Plasticizing Capacity (PS) (*3)	g / s	65	69
Max. Injection Pressure	bar	1940	1550
Injection Rate (*4)	cm ³ / s	282	352
Screw Stroke	mm	325	
Nozzle Protrusion	mm	65	
Screw Revolution	rpm	160	
Automatic Temperature Control	Zone	1 + 4	
CLAMPING UNIT			
Mold clamping force	ton	360	
Mold opening stroke	mm	650	
Min. / Max. Mold height	mm	320/1000	
Maximum Daylight	mm	1650	
Tie Bar Distance (H x V)	mm	710 X 710	
Mold Platen Size (H x V)	mm	1020 X 1020	
Ejector Stroke	mm	125	
Ejector Force	ton	8.9	
ELECTRIC DEVICES			
Servo Drive (*5)	KW	14	
Heater	KW	23.5	
GENERAL			
Machine Weight (* 8)	ton	15.5	
Machine Size (L x W x H) (* 8)	m	7.5 x 2.1 x 2.6	
Hydraulic Oil Tank Capacity	ltrs.	850	
Hopper Loader (0.9kw Motor)	kg./hr.	150	
Cooling Water consumption	ltrs./min.	15	
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		HMT SERIES	
MACHINE TYPE	UNIT	HMT 360T	
		5 Point Toggle	
INJECTION UNIT	-	2420 (S)	
Screw Diameter	mm	68	76 (*7)
Screw Type	-	GP	
Screw L/D Ratio	-	21	19
Theoretical Volume (*1)	cm ³	1180	1474
Shot Weight (PS) (*2)	g	1121	1400
Plasticizing Capacity (PS) (*3)	g / s	65	81
Max. Injection Pressure	bar	1940	1550
Injection Rate (*4)	cm ³ / s	461	576
Screw Stroke	mm	325	
Nozzle Protrusion	mm	65	
Screw Revolution	rpm	190	
Automatic Temperature Control	Zone	1 + 4	
CLAMPING UNIT			
Mold clamping force	ton	360	
Mold opening stroke	mm	650	
Min. / Max. Mold height	mm	320/1000	
Maximum Daylight	mm	1650	
Tie Bar Distance (H x V)	mm	710 X 710	
Mold Platen Size (H x V)	mm	1020 X 1020	
Ejector Stroke	mm	125	
Ejector Force	ton	8.9	
ELECTRIC DEVICES			
Servo Drive (*5)	KW	8+14	
Heater	KW	23.5	
GENERAL			
Machine Weight (* 8)	ton	16	
Machine Size (L x W x H) (* 8)	m	7.5 x 2.1 x 2.6	
Hydraulic Oil Tank Capacity	ltrs.	850	
Hopper Loader (0.9kw Motor)	kg./hr.	150	
Cooling Water consumption	ltrs./min.	15	
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		HMT Series	
MACHINE TYPE	UNIT	HMT 550T	
		5 Point Toggle	
INJECTION UNIT	-	4000	
Screw Diameter	mm	90*(7)	100
Screw Type	-	GP	
Screw L/D Ratio	-	22.2	20
Theoretical Volume (*1)	cm ³	2290	2826
Shot Weight (PS) (*2)	g	2175.5	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	65	
Screw revolution	rpm	100	
Automatic Temperature Control	Zone	1+6	
CLAMPING UNIT			
Mold clamping force	ton	550	
Mold opening stroke	mm	880	
Min. / Max. Mold height	mm	350/900	
Maximum Daylight	mm	1780	
Tie Bar Distance (H x V)	mm	900 x 810	
Mold Platen Size (H x V)	mm	1320 x 1260	
Ejector Stroke	mm	300	
Ejector Force	ton	12	
ELECTRIC DEVICES			
Servo Drive (*5)	KW	8+14	
Heater	KW	44.4	
GENERAL			
Machine Weight (* 8)	ton	29	
Machine Size (L x W x H) (* 8)	m	9.3 x 2.4 x 2.8	
Hydraulic Oil Tank Capacity	ltrs.	850	
Hopper Loader (0.9 KW 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.**