

MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

MA 600/150

Metric Datasheet

INJECTION UNIT	A	B	C
Screw diameter (mm)	26	30	34
Screw L/D ratio	24.2	21	19.5
Shot size (theoretical)	66	88	113
Injection weight (g - PS)	60	80	103
Injection rate (g/sec)	74	99	127
Injection Pressure (Mpa)	236	177	138
Plasticizing capacity (Kg/h)	25.2	33.48	41.04
Screw speed (rpm)		291	

CLAMP UNIT			
Clamp tonnage (kN)		600	
Toggle stroke (mm)		270	
Mold platen dimensions (mm)	482	x	469
Space between tie bars (mm)	310	x	310
Max. mold height (mm)		330	
Min. mold height (mm)		120	
Max. daylight (mm)		600	
Ejector stroke (mm)		70	
Ejector force (kN)		22	
Ejector number (pcs)		1	

OTHERS				
Heater power (kW)			5.1	
Adjusted pressure (Mpa)			16	
Pump motor power (kW)			11	
Machine dimensions (l x w x h) (mm)	3.62	x	1.13	x 1.76
Machine weight (metric tons)			2.5	
Hopper capacity (kg)			25	
Oil tank capacity (liters)			180	

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English Datasheet

INJECTION UNIT	A	B	C
Screw diameter (in)	1.02	1.18	1.34
Screw L/D ratio	24.2	21	19.5
Shot size (theoretical) (cu. Cm)	66	88	113
Injection weight (oz. - PS)	2.12	2.82	3.63
Injection rate (oz./sec)	2.61	3.49	4.48
Injection Pressure (psi)	34229	25672	20016
Plasticizing capacity (oz./sec)	0.25	0.33	0.40
Screw speed (rpm)		291	

CLAMP UNIT	A	B	C
Clamp tonnage (US tons)		67	
Toggle stroke (in)		10.63	
Mold platen dimensions (in)	18.98	x	18.46
Space between tie bars (in)	12.20	x	12.20
Max. mold height (in)		12.99	
Min. mold height (in)		4.72	
Max. daylight (in)		23.62	
Ejector stroke (in)		2.76	
Ejector force (US tons)		2.5	
Ejector number (pcs)		1	

OTHERS	A	B	C
Heater power (kW)		5.1	
Adjusted pressure (psi)		2321	
Pump motor power (kW)		11	
Machine dimensions (l x w x h) (in)	144	x	46
Machine weight (lbs)		5513	
Hopper capacity (lbs)		55	
Oil tank capacity (gals)		48	

