

MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

MA 900/300

Metric Datasheet

INJECTION UNIT	A	B	C
Screw diameter (mm)	32	36	40
Screw L/D ratio	22.5	20	18
Shot size (theoretical)	121	153	188
Injection weight (g - PS)	110	139	171
Injection rate (g/sec)	92	116	144
Injection Pressure (Mpa)	249	196	159
Plasticizing capacity (Kg/h)	39.6	45.36	55.44
Screw speed (rpm)		301	

CLAMP UNIT			
Clamp tonnage (kN)		900	
Toggle stroke (mm)		320	
Mold platen dimensions (mm)	540	x	540
Space between tie bars (mm)	360	x	360
Max. mold height (mm)		380	
Min. mold height (mm)		150	
Max. daylight (mm)		700	
Ejector stroke (mm)		100	
Ejector force (kN)		33	
Ejector number (pcs)		5	

OTHERS				
Heater power (kW)			6.2	
Adjusted pressure (Mpa)			14	
Pump motor power (kW)			13	
Machine dimensions (l x w x h) (mm)	4.26	x	1.23	x 1.86
Machine weight (metric tons)			3.46	
Hopper capacity (kg)			25	
Oil tank capacity (liters)			240	

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MA 900/300

English Datasheet

INJECTION UNIT	A	B	C
Screw diameter (in)	1.26	1.42	1.57
Screw L/D ratio	22.5	20	18
Shot size (theoretical) (cu. Cm)	121	153	188
Injection weight (oz. - PS)	3.88	4.90	6.03
Injection rate (oz./sec)	3.25	4.09	5.08
Injection Pressure (psi)	36115	28428	23061
Plasticizing capacity (oz./sec)	0.39	0.44	0.54
Screw speed (rpm)		301	

CLAMP UNIT			
Clamp tonnage (US tons)		101	
Toggle stroke (in)		12.60	
Mold platen dimensions (in)	21.26	x	21.26
Space between tie bars (in)	14.17	x	14.17
Max. mold height (in)		14.96	
Min. mold height (in)		5.91	
Max. daylight (in)		27.56	
Ejector stroke (in)		3.94	
Ejector force (US tons)		3.7	
Ejector number (pcs)		5	

OTHERS				
Heater power (kW)			6.2	
Adjusted pressure (psi)			2031	
Pump motor power (kW)			13	
Machine dimensions (l x w x h) (in)	169	x	49	x 74
Machine weight (lbs)			7629	
Hopper capacity (lbs)			55	
Oil tank capacity (gals)			63	

