

MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

MA 24000

Metric Datasheet

INJECTION UNIT	15800		35000
Screw diameter (mm)	150		185
Screw L/D ratio	22.4		21.6
Shot size (theoretical)	11115		26020
Injection weight (g - PS)	10115		23678
Injection rate (g/sec)	1448		1580
Injection Pressure (Mpa)	142		136
Plasticizing capacity (g/s)	165		201
Screw speed (rpm)	0-75		0-67
CLAMP UNIT			
Clamp tonnage (kN)		24000	
Toggle stroke (mm)		1900	
Mold platen dimensions (mm)	2550	x	2700
Space between tie bars (mm)	1850	x	1700
Max. mold height (mm)		1800	
Min. mold height (mm)		800	
Max. daylight (mm)		3700	
Ejector stroke (mm)		450	
Ejector force (kN)		430	
Ejector number (pcs)		29	
OTHERS			
Heater power (kW)	114.05		171.7
Adjusted pressure (Mpa)		16	
Pump motor power (kW)	45+55+55		55 x 3
Machine dimensions (L x W x H) (mm)	16.3x3.8x5.4		18.4x3.8x5.5
Machine weight (metric tons)	155		163
Hopper capacity (kg)	400		400
Oil tank capacity (liters)	2970		3720

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English Datasheet

INJECTION UNIT	15800	35000
Screw diameter (in)	5.91	7.28
Screw L/D ratio	22.4	21.6
Shot size (theoretical) (cu. Cm)	11115	26020
Injection weight (oz. - PS)	356.79	835.20
Injection rate (oz./sec)	51.08	55.73
Injection Pressure (psi)	20596	19725
Plasticizing capacity (oz./sec)	5.82	7.09
Screw speed (rpm)	0-75	0-67

CLAMP UNIT			
Clamp tonnage (US tons)		2698	
Toggle stroke (in)		74.80	
Mold platen dimensions (in)	100.39	x	106.30
Space between tie bars (in)	72.83	x	66.93
Max. mold height (in)		70.87	
Min. mold height (in)		31.50	
Max. daylight (in)		145.67	
Ejector stroke (in)		17.72	
Ejector force (US tons)		48.3	
Ejector number (pcs)		29	

OTHERS			
Heater power (kW)	114.05		171.7
Adjusted pressure (psi)		2321	
Pump motor power (kW)	45+55+55		55 x 3
Machine dimensions (L x W x H) (in)	643x151x214		726x151x218
Machine weight (lbs)	341775		359415
Hopper capacity (lbs)	880		880
Oil tank capacity (gals)	784		982

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