

MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

MA 21000/15800

Metric Datasheet

INJECTION UNIT	A	B	C
Screw diameter (mm)	140	150	160
Screw L/D ratio	24	22.4	21
Shot size (theoretical)	9683	11115	12647
Injection weight (g - PS)	8812	10115	11509
Injection rate (g/sec)	1262	1448	1648
Injection Pressure (Mpa)	163	142	125
Plasticizing capacity (g/s)	151	165	176
Screw speed (rpm)		0-75	

CLAMP UNIT			
Clamp tonnage (kN)		21000	
Toggle stroke (mm)		1800	
Mold platen dimensions (mm)	2480	x	2440
Space between tie bars (mm)	1750	x	1600
Max. mold height (mm)		1700	
Min. mold height (mm)		780	
Max. daylight (mm)		3500	
Ejector stroke (mm)		400	
Ejector force (kN)		430	
Ejector number (pcs)		29	

OTHERS				
Heater power (kW)			114.05	
Adjusted pressure (Mpa)			16	
Pump motor power (kW)			45+55+55	
Machine dimensions (L x W x H) (mm)	15.6	x	3.6	x 5.3
Machine weight (metric tons)			137	
Hopper capacity (kg)			400	
Oil tank capacity (liters)			2970	

MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

MA 21000/15800

English Datasheet

INJECTION UNIT	A	B	C
Screw diameter (in)	5.51	5.91	6.30
Screw L/D ratio	24	22.4	21
Shot size (theoretical) (cu. Cm)	9683	11115	12647
Injection weight (oz. - PS)	310.83	356.79	405.96
Injection rate (oz./sec)	44.51	51.08	58.13
Injection Pressure (psi)	23642	20596	18130
Plasticizing capacity (oz./sec)	5.33	5.82	6.21
Screw speed (rpm)		0-75	
CLAMP UNIT			
Clamp tonnage (US tons)		2360	
Toggle stroke (in)		70.87	
Mold platen dimensions (in)	97.64	x	96.06
Space between tie bars (in)	68.90	x	62.99
Max. mold height (in)		66.93	
Min. mold height (in)		30.71	
Max. daylight (in)		137.80	
Ejector stroke (in)		15.75	
Ejector force (US tons)		48.3	
Ejector number (pcs)		29	
OTHERS			
Heater power (kW)		114.05	
Adjusted pressure (psi)		2321	
Pump motor power (kW)		45+55+55	
Machine dimensions (L x W x H) (in)	616	x	143
			x
			210
Machine weight (lbs)		302085	
Hopper capacity (lbs)		880	
Oil tank capacity (gals)		784	

