

# MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

## MA 2800/1350

### Metric Datasheet

INJECTION UNIT	A	B	C
Screw diameter (mm)	55	60	65
Screw L/D ratio	21.8	20	18.5
Shot size (theoretical)	618	735	863
Injection weight (g - PS)	562	669	785
Injection rate (g/sec)	270	321	377
Injection Pressure (Mpa)	218	184	156
Plasticizing capacity (Kg/h)	106.56	121.32	137.52
Screw speed (rpm)		267	

  

CLAMP UNIT			
Clamp tonnage (kN)		2800	
Toggle stroke (mm)		590	
Mold platen dimensions (mm)	940	x	940
Space between tie bars (mm)	630	x	630
Max. mold height (mm)		630	
Min. mold height (mm)		230	
Max. daylight (mm)		1220	
Ejector stroke (mm)		150	
Ejector force (kN)		62	
Ejector number (pcs)		13	

  

OTHERS				
Heater power (kW)			18.45	
Adjusted pressure (Mpa)			14	
Pump motor power (kW)			37	
Machine dimensions (l x w x h) (mm)	6.43	x	1.83	x 2.08
Machine weight (metric tons)			11	
Hopper capacity (kg)			50	
Oil tank capacity (liters)			705	

# MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

## MA 2800/1350

### English Datasheet

INJECTION UNIT	A	B	C
Screw diameter (in)	2.17	2.36	2.56
Screw L/D ratio	21.8	20	18.5
Shot size (theoretical) (cu. Cm)	618	735	863
Injection weight (oz. - PS)	19.82	23.60	27.69
Injection rate (oz./sec)	9.52	11.32	13.30
Injection Pressure (psi)	31619	26687	22626
Plasticizing capacity (oz./sec)	1.04	1.19	1.35
Screw speed (rpm)		267	

  

CLAMP UNIT	A	B	C
Clamp tonnage (US tons)		315	
Toggle stroke (in)		23.23	
Mold platen dimensions (in)	37.01	x	37.01
Space between tie bars (in)	24.80	x	24.80
Max. mold height (in)		24.80	
Min. mold height (in)		9.06	
Max. daylight (in)		48.03	
Ejector stroke (in)		5.91	
Ejector force (US tons)		7.0	
Ejector number (pcs)		13	

  

OTHERS	A	B	C
Heater power (kW)		18.45	
Adjusted pressure (psi)		2031	
Pump motor power (kW)		11	
Machine dimensions (l x w x h) (in)	254	x	73
Machine weight (lbs)		24255	
Hopper capacity (lbs)		110	
Oil tank capacity (gals)		186	

