

# MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

## MA 4700/2950

### Metric Datasheet

INJECTION UNIT	A	B	C	D
Screw diameter (mm)	70	75	80	90
Screw L/D ratio	22.9	20	19.1	17.8
Shot size (theoretical)	1424	1860	2050	2354
Injection weight (g - PS)	1296	1693	1866	2142
Injection rate (g/sec)	351	403	464	587
Injection Pressure (Mpa)	206	179	158	125
Plasticizing capacity (Kg/h)	161.64	185.04	211.32	258.48
Screw speed (rpm)			180	

  

CLAMP UNIT				
Clamp tonnage (kN)			4700	
Toggle stroke (mm)			780	
Mold platen dimensions (mm)	1210	x	1180	
Space between tie bars (mm)	820	x	820	
Max. mold height (mm)			780	
Min. mold height (mm)			320	
Max. daylight (mm)			1560	
Ejector stroke (mm)			200	
Ejector force (kN)			110	
Ejector number (pcs)			13	

  

OTHERS				
Heater power (kW)			30.95	
Adjusted pressure (Mpa)			16	
Pump motor power (kW)			55	
Machine dimensions (l x w x h) (mm)	8.16	x	2.13	x 2.28
Machine weight (metric tons)			19	
Hopper capacity (kg)			50	
Oil tank capacity (liters)			900	

# MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

## MA 4700/2950

### English Datasheet

INJECTION UNIT	A	B	C	D
Screw diameter (in)	2.76	2.95	3.15	3.54
Screw L/D ratio	22.9	20	19.1	17.8
Shot size (theoretical) (cu. Cm)	1424	1860	2050	2354
Injection weight (oz. - PS)	45.71	59.72	65.82	75.56
Injection rate (oz./sec)	12.38	14.22	16.37	20.71
Injection Pressure (psi)	29878	25962	22916	18130
Plasticizing capacity (oz./sec)	1.58	1.81	2.07	2.53
Screw speed (rpm)			180	

  

CLAMP UNIT				
Clamp tonnage (US tons)			528	
Toggle stroke (in)			30.71	
Mold platen dimensions (in)	47.64	x	46.46	
Space between tie bars (in)	32.28	x	32.28	
Max. mold height (in)			30.71	
Min. mold height (in)			12.60	
Max. daylight (in)			61.42	
Ejector stroke (in)			7.87	
Ejector force (US tons)			12.4	
Ejector number (pcs)			13	

  

OTHERS				
Heater power (kW)			30.95	
Adjusted pressure (psi)			2321	
Pump motor power (kW)			55	
Machine dimensions (l x w x h) (in)	323	x	85	x 91
Machine weight (lbs)			41895	
Hopper capacity (lbs)			110	
Oil tank capacity (gals)			238	



Specifications subject to change without notice.

