

**500MSJ-40**

**CLAMP UNIT**

ITEM		UNIT	SPECIFICATION		NOTES	
			Inch	( Metric )		
Max. Mold Clamping Force		US. ton	496	(450)		
Mold Opening Force		( Metric ton )	29.6	(26.9)		
Mold Closing Speed	High Speed	ft/min ( m/min )	124.7	(38)		
	Low Speed		6.56	(2.0)		
Mold Opening Speed	Detaching Speed		6.56	(2.0)		
	High Speed		121.4	(37)		
	Low Speed		6.56	(2.0)		
Platen Size	( H )		inch ( mm )	45.28	(1150)	
	( V )			45.28	(1150)	
Clearance between Tie Bars	( H )			31.89	(810)	
	( V )	31.89		(810)		
Maximum Clamp Stroke		41.34		(1050)		
Maximum Daylight		55.12		(1400)		
Mold Thickness	Minimum	13.78		(350)		
	Maximum	.				
Hydraulic ejector	Force	US ton ( Metric ton )		14.3	(13.0)	
	Stroke	inch ( mm )		5.9	(150)	
Maximum Mold Size	Hor. load	( H )	45.28	(1150)		
		( V )	31.5	(800)		
	Ver. Load	( H )	31.5	(800)		
		( V )	45.28	(1150)		
Minimum Mold Size	( H )	.		Full clamp tonnage		
	( V )	.				

**500MSJ-40****INJECTION UNIT**

ITEM		UNIT	SPECIFICATION		NOTES
			Inch	( Metric )	
Theoretical Injection Volume		cu.in ( cm <sup>3</sup> )	68.3	(1120)	
Inj. Shot Weight	PS	oz	36.33	(1030)	
	PE	( g )	29.28	(830)	
Plasticizing Capacity	PS	lbs/hr	695	(315)	
		( kg/hr )			
Max. Injection Pressure		psi ( kg/cm <sup>2</sup> )	25738	(1810)	
Injection Rate	Standard	cu.in /sec	26.2	(430)	
	Option	(cm3/sec)	43.3	(710)	
Injection Horse Power		HP ( PS )	104		
Screw Diameter		in ( mm )	2.44	(62)	
Screw L/D		---		22	
Screw Stroke		in ( mm )	14.65	(372)	
Screw Speed	High speed	rpm	~ 302		
	Mid. speed		~		
	Low speed		~ 200		
Nozzle protrusion		in ( mm )	1.18	(30)	

**500MSJ-40****GENERAL**

ITEM	UNIT	SPECIFICATION		NOTES
		Inch	( Metric )	
Electric Motor Capacity	HP ( kw)	74	(55)	55kw
Electric Heater Capacity for Screw Barrel	kw	15.2		
Electric Heater Capacity for standard Nozzle		0.3		
Oil reservoir Capacity	us gal (ltr)	277.4	(1050)	
Overall Dimension	( L )	ft	26.9	(8.2)
	( W )	( m )	6.56	(2.0)
	( H )		6.89	(2.1)
Machine Weight	us ton (metric ton)	21.7	(19.7)	

## Remarks

1. Injection weight, injection rate and plasticizing capacity are dependent upon molding conditions and resin used.
2. Specifications are subject to change without notice.