

# MARUKA

Our Goal is Your Success



Main Specifications

	Unit	TM-110H2	TM-150H2	TM-200H2	TM-245H2	TM-300H2	TM-400H2	TM-500H2	
<b>▼ Injection Unit</b>									
Injection System	-	In-line screw		In-line screw		In-line screw		In-line screw	
Injection Stroke	inch	5.70		6.30		7.87		8.66	
Screw diameter	inch	1.26	1.42	1.57	1.57	1.81	1.81	1.97	2.17
	mm	32	36	40	40	46	46	50	55
Normal induction capacity	in <sup>3</sup>	7.1	9.0	11.1	12.2	16.2	20.3	24.0	29.0
Injection rate	High Pressure	in <sup>3</sup> /sec	6.7	8.4	10.4	9.0	12.0	9.3	11.0
	High Velocity	in <sup>3</sup> /sec							
Injection pressure	High Pressure	psi	34,128	29,748	24,088	27,971	21,145	31,995	27,075
	High Velocity	psi							
Plastication capacity	oz/sec	0.5	0.6	0.7	0.8	1.1	1.1	1.5	1.9
Screw revolution	rpm min <sup>-1</sup>	10 to 320		10 to 280		10 to 199, 10 to 285		10 to 183, 10 to 261	
Nozzle pressing force	U.S.ton	6.3		6.3		6.3		6.3	
Hopper capacity	gal	10.6		14.5		14.5		14.5	
Screw drive system	-	Hydraulic motor		Hydraulic motor		Hydraulic motor		Hydraulic motor	
<b>▼ Clamping Unit</b>									
Clamping system	-	Double toggle		Double toggle		Double toggle		Double toggle	
Clamping force	U.S.ton	110		150		200		242	
Clamping stroke	inch	14.17		15.75		18.50		20.47	
Min. mold height	inch	5.91		5.91		7.87		9.84	
Max. mold height	inch	16.93		17.72		19.69		25.59	
Tie-ble clearance (HxV)	inch	16.14 x 16.14		18.11 x 18.11		22.05 x 22.05		24.02 x 24.02	
Die plate size (HxV)	inch	22.83 x 22.83		25.20 x 25.20		30.71 x 30.71		32.28 x 32.28	
Ejector force	U.S.ton	4.5		4.5		6.2		7.2	
Ejector stroke	inch	3.15		3.94		4.72		5.12	
<b>▼ Others</b>									
Heater capacity	kw	6.15		7.2		11.2		15.8	
Pump motor	kw	18.5		18.5		22.0		30.0	
	hp	25		25		30		40	
Mold height adjust motor	kw	0.2		0.2		0.2		0.4	
	hp	1/4		1/4		1/4		1/2	
Oil tank capacity	gal	42.3		47.6		52.8		79.3	
Machine dimensions(LxWxH)	inch	167.3x42.4x72.7		177.9x46.1x77.2		211.7x50.4x78.0		233.6x54.6x82.1	
Main breaker capacity	230V class	A		200		225		225	
	460V class	75		75		125		125	
Power source capacity	KVA	32		34		42		55	
Power cable size	230V class	mm <sup>2</sup>		60 (2/0)		60 (2/0)		60 (2/0)	
	460V class	(A.W.G*1)		22 (4)		22 (4)		22 (4)	
Machine Weight	U.S.ton	5.2		5.8		7.7		10.5	

- Notes:
1. Figures in   are for the standard-sized screw.
  2. The figures are subject to change without any legal obligation on the part of the manufacture.
  3. \*1 A.W.G stands for American Wire Gauge.

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