

Technical Specifications

INJECTION UNIT	English									Metric								
Injection Capacity, Maximum GPPS	oz	6.27	8.90	10.59	14.69	21.29	27.81	31.40	35.20	gms	178	252	300	416	604	788	890	998
Theoretical Displacement	in ³	11.5	16.3	19.4	27.0	39.1	51.0	57.6	64.6	cm ³	188	268	318	442	640	836	944	1,059
Maximum Injection Pressure	psi	40,611	40,611	39,160	34,809	32,633	25,382	22,481	19,580	bar	2,800	2,800	2,700	2,400	2,250	1,750	1,550	1,350
Maximum Pack Pressure	psi	40,611	37,710	34,809	31,908	28,282	21,756	18,855	17,405	bar	2,800	2,600	2,400	2,200	1,950	1,500	1,300	1,200
Maximum Injection Velocity	in/sec	9.45	9.45	9.45	9.45	9.45	9.45	9.45	9.45	cm/sec	24	24	24	24	24	24	24	24
Maximum Injection Rate	in ³ /sec	18.40	22.27	26.50	31.10	36.07	47.11	53.18	59.62	cm ³ /sec	302	365	434	510	591	772	872	977
Screw Stroke	in	5.91	6.93	6.93	8.19	10.24	10.24	10.24	10.24	mm	150	176	176	208	260	260	260	260
Screw Diameter	in	1.57	1.73	1.89	2.05	2.20	2.52	2.68	2.83	mm	40	44	48	52	56	64	68	72
Screw L/D Ratio		20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1		20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1
Screw Speed Max	min ⁻¹	400	400	400	400	400	400	400	400	min ⁻¹	400	400	400	400	400	400	400	400
Nozzle Touch Force	ton	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	tonf	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	3/1	4/1	4/1	4/1	4/1	qty	3/1	3/1	3/1	3/1	4/1	4/1	4/1	4/1
Total Heat Capacity	kW	15.4	16.8	18.3	20.1	22.9	26.2	26.2	26.2	kW	15.4	16.8	18.3	20.1	22.9	26.2	26.2	26.2

CLAMP

Clamping Force	tons	330	385	kN	3000	3500
Mold Opening Stroke	in	23.62	mm	600		
Clamp Speed	in/sec	15.75	12.60	mm/sec	400	320
Dry Cycle Time @ 50% Stroke	sec	2.39	sec	2.39		
Maximum Daylight	in	49.21	53.15	mm	1250	1350
Min/Max mold thickness	in	11.8 / 25.6	15.7 / 29.5	mm	300 / 650	400 / 750
Minimum mold size	in	20.5 X 16.5	mm	520 X 420		
Maximum mold weight	lbs	Consult Factory	kgs	Consult Factory		
Platen Size (h x v)	in	44.5 x 40.6	mm	1130 x 1030		
Distance between tie rods (h x v)	in	31.9 x 28.0	mm	810 x 710		
Tie Rod Diameter	in	5.12	mm	130		
Eject Stroke Max	in	7.87	mm	200		
Ejector Force	tons	8.8	kN	80		
Mold locating ring inside diameter	in	4.00	mm	101.6		

GENERAL

Overall Dimensions (L x W x H)	in	275.2 x 71.6 x 78.4	280.1 x 71.6 x 78.4	mm	6,989 x 1,818 x 1,992	7,114 x 1,818 x 1,992
Machine Weight	lbs	32,187	kg	14,600		
Nominal input power source	Ph/Volt	3 Phase, 220V -10%, 60 Hz +/- 1Hz	Ph/Volt	3 Phase, 220V -10%, 60 Hz +/- 1Hz		
Breaker Size Machine Only	Amp	150	Amp	150		
Breaker Size with Aux Outlets	Amp	225	Amp	225		
Machine	kva	97.5	kva	97.5		
External Outlet	kva	35.0	kva	35.0		
Max Total Capacity	kva	132.5	kva	132.5		

ROBOSHOT

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GENERAL ASSEMBLY DRAWINGS



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