

Technical Specifications

INJECTION UNIT	English								Metric							
Injection Capacity, Maximum GPPS	oz	4.01	5.08	6.27	8.90	10.59	14.69	21.29	gm	114	144	178	252	300	416	604
Theoretical Displacement	in ³	7.4	9.3	11.5	16.3	19.4	27.0	39.1	cm ³	121	153	188	268	318	442	640
Maximum Injection Pressure	psi	40,611	40,611	37,710	31,908	27,557	23,206	20,305	bar	2,800	2,800	2,600	2,200	1,900	1,600	1,400
Maximum Pack Pressure	psi	40,611	40,611	37,710	31,908	27,557	23,206	20,305	bar	2,800	2,800	2,600	2,200	1,900	1,600	1,400
Maximum Injection Velocity	in/sec	12.99	12.99	12.99	12.99	12.99	12.99	12.99	cm/sec	33	33	33	33	33	33	33
Maximum Injection Rate	in ³ /sec	16.19	20.49	25.30	30.61	36.43	42.76	49.60	cm ³ /sec	265	336	415	502	597	701	813
Screw Stroke	in	5.91	5.91	5.91	6.93	6.93	8.19	10.24	mm	150	150	150	176	176	208	260
Screw Diameter	in	1.26	1.42	1.57	1.73	1.89	2.05	2.20	mm	32	36	40	44	48	52	56
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
Screw Speed Max	min ⁻¹	400	400	400	400	400	400	400	min ⁻¹	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	tonf	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	3/1	3/1	3/1	qty	3/1	3/1	3/1	3/1	3/1	3/1	3/1
Total Heat Capacity	kW	12.0	13.0	14.9	15.9	17.9	20.2	20.2	kW	12.0	13.0	14.9	15.9	17.9	20.2	20.2

CLAMP

Clamping Force	tons	275	330	kN	2500	3000
Mold Opening Stroke	in	23.62	mm	600		
Clamp Speed	in/sec	15.75	15.75	mm/sec	400	400
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	16.5 x 15.2	mm	420 x 385		
Maximum Mold Weight	lbs	Consult Factory	kgs	Consult Factory		
Platen Size (h x v)	in	40.6 x 37.8	mm	1030 x 960		
Distance between tie rods (h x v)	in	28.0 x 25.0	mm	710 x 635		
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	251.1 x 68.2 x 82.8	254.3 x 68.2 x 82.8	mm	6,377 x 1,733 x 2,102	6,459 x 1,733 x 2,102
Machine Weight	lbs	30,203	kg	13,700		
Nominal input power source	Ph/Volt	3 Phase, 220V -10%, 60Hz +/- 1Hz	Ph/Volt	3 Phase, 200V -10%, 50/60 Hz +/- 1Hz		
Breaker Size Machine Only	Amp	125	Amp	125		
Breaker Size with Aux Outlets	Amp	225	Amp	225		
Machine	kva	82.5	kva	82.5		
External Outlet	kva	35.0	kva	35.0		
Max Total Capacity	kva	117.5	kva	117.5		

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GENERAL ASSEMBLY DRAWINGS



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