

Technical Specifications

INJECTION UNIT	2290 Frame								3470 Frame							
	Metric	A	B	C	English	A	B	C	Metric	A	B	C	English	A	B	C
Injection Capacity, Maximum GPPS	gms	861	1172	1530	oz	30.4	41.3	54.0	gms	1318	1722	2179	oz	46.5	60.7	76.9
Theoretical Displacement	cm ³	905	1232	1608	in ³	55.2	75.2	98.1	cm ³	1385	1810	2290	in ³	84.5	110.4	139.7
Maximum Injection Pressure	bar	2238	1856	1421	psi	32459	26919	20609	bar	2289	1917	1515	psi	33199	27803	21973
Injection Rate	cm ³ /sec	270	367	480	in ³ /sec	16.5	22.4	29.3	cm ³ /sec	272	356	450	in ³ /sec	16.6	21.7	27.5
Screw Stroke	mm	320	320	320	in	12.6	12.6	12.6	mm	360	360	360	in	14.2	14.2	14.2
Screw Diameter	mm	60	70	80	in	2.36	2.76	3.15	mm	70	80	90	in	2.76	3.15	3.54
Screw L/D Ratio	L/D	26.7	22.9	20	L/D	26.7	22.9	20	L/D	25.7	22.5	20	L/D	25.7	22.5	20
Screw Speed	rpm	187	187	187	rpm	187	187	187	rpm	146	146	146	rpm	146	146	146
Screw Torque @172 bar	Nm	3347	3347	3347	in-lb	29623	29623	29623	Nm	4291	4291	4291	in-lb	37978	37978	37978
Plasticizing Rate GPPS	gm/sec	38	55	76	oz/sec	1.3	1.9	2.6	gm/sec	43	60	80	oz/sec	1.5	2.1	2.8
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			qty	4/1			qty	4/1			qty	4/1		
Total Heat Capacity	kW	39.6			kW	39.6			kW	57.9			kW	57.9		

CLAMP

Clamping Force	kN	5000		ton	562			kN	5000		ton	562		
Opening Force	kN	500		ton	56.2			kN	500		ton	56.2		
Clamp Stroke	mm	820		in	32.3			mm	820		in	32.3		
Maximum Daylight	mm	1640		in	64.6			mm	1640		in	64.6		
Minimum Mold Height	mm	350		in	13.8			mm	350		in	13.8		
Maximum Mold Height	mm	820		in	32.3			mm	820		in	32.3		
Platen Size (H x V)	mm	1200 x 1200		in	47.2 x 47.2			mm	1200 x 1200		in	47.2 x 47.2		
Distance Between Tie Rods	mm	830 x 830		in	32.7 x 32.7			mm	830 x 830		in	32.7 x 32.7		
Tie Rod Diameter	mm	150		in	5.9			mm	150		in	5.9		
Ejector Stroke	mm	200		in	7.9			mm	200		in	7.9		
Ejector Force	kN	117		ton	13.2			kN	117		ton	13.2		
Maximum Mold Weight	kg	5725		lbs	12621			kg	5725		lbs	12621		
Dry Cycle Time (Euromap 6)	sec-mm			sec - in				sec-mm			sec - in			

GENERAL

Electrical Motor	kW	25.1		hp	33.7			kW	25.1		hp	33.7		
Total Oil Capacity	L	750		gal	198.1			L	750		gal	198.1		
Water Supply (29°C Inlet Temp)	L/min	100		gal/min	26.4			L/min	100		gal/min	26.4		
Connected Load	kW	64.7		kW	64.7			kW	83		kW	83		
Overall Dimensions (L x W x H)	m	8.9 x 3.0 x 2.6		ft	29.2 x 9.8 x 8.5			m	9.5 x 3.0 x 2.6		ft	31.2 x 9.8 x 8.5		
Machine Weight	kg	27000		lbs	59,524			kg	28000		lbs	61,729		

***Note: All machine dimensions and specifications are subject to change. Values are for reference only.