

## Technical Specifications

INJECTION UNIT	ENGLISH METRIC	2290 Frame			3470 Frame			4550 Frame	
		A	B	C	A	B	C	A	B
Injection Capacity, Maximum GPPS	<b>oz</b>	<b>30.40</b>	<b>41.30</b>	<b>54</b>	<b>46.50</b>	<b>60.70</b>	<b>76.90</b>	<b>85</b>	<b>105</b>
	gms	861	1,172	1,530	1,318	1,722	2,179	2,417	3,142
Theoretical Displacement	<b>in<sup>3</sup></b>	<b>55.20</b>	<b>75.20</b>	<b>98.10</b>	<b>84.50</b>	<b>110.40</b>	<b>139.70</b>	<b>155.30</b>	<b>191.70</b>
	cm <sup>3</sup>	905	1,232	1,608	1,385	1,810	2,290	2,545	3,142
Maximum Injection Pressure	<b>psi</b>	<b>32,451</b>	<b>26,912</b>	<b>20,604</b>	<b>33,190</b>	<b>27,796</b>	<b>21,967</b>	<b>25,375</b>	<b>20,590</b>
	bar	2,238	1,856	1,421	2,289	1,917	1,515	1,750	1,420
Injection Rate	<b>in<sup>3</sup>/sec</b>	<b>26.04</b>	<b>35.38</b>	<b>46.23</b>	<b>35.38</b>	<b>46.23</b>	<b>58.62</b>	<b>46.54</b>	<b>57.46</b>
	cm <sup>3</sup> /sec	427	580	758	580	758	961	763	942
Screw Stroke	<b>in</b>	<b>12.60</b>			<b>14.20</b>			<b>15.70</b>	
	mm	320			360			400	
Screw Diameter	<b>in</b>	<b>2.36</b>	<b>2.76</b>	<b>3.15</b>	<b>2.76</b>	<b>3.15</b>	<b>3.54</b>	<b>3.54</b>	<b>3.94</b>
	mm	60	70	80	70	80	90	90	100
L/D Ratio	<b>L/D</b>	<b>26.70</b>	<b>22.90</b>	<b>20</b>	<b>25.70</b>	<b>22.50</b>	<b>20</b>	<b>22</b>	<b>20</b>
Screw Speed	<b>rpm</b>	<b>250</b>			<b>220</b>			<b>170</b>	
Plasticizing Rate, GPPS	<b>oz/sec</b>	<b>1.96</b>	<b>2.69</b>	<b>3.53</b>	<b>2.13</b>	<b>3.01</b>	<b>3.99</b>	<b>3.74</b>	<b>4.76</b>
	gm/sec	56	77	101	61	86	114	107	136
Number of Pyrometers (Barrel/Nozzle)	<b>qty</b>	<b>4 / 1</b>			<b>4 / 1</b>			<b>4 / 1</b>	
Total Heat Capacity	<b>kW</b>	<b>39.60</b>			<b>57.90</b>			<b>53.90</b>	

### CLAMP

Clamping Force	ton	<b>618</b>
	kN	5,500
Clamp Stroke	<b>in</b>	<b>36.20</b>
	mm	920
Maximum Daylight	<b>in</b>	<b>71.70</b>
	mm	1,820
Min/Max Mold Height	<b>in</b>	<b>15.75 / 35.40</b>
	mm	400 / 900
Platen Size (H x V)	<b>in</b>	<b>52.40 x 48.40</b>
	mm	1,330 x 1,230
Distance Between Tie Rods (H x V)	<b>in</b>	<b>39.30 x 35.40</b>
	mm	1,000 x 900
Tie Bar Diameter	<b>in</b>	<b>6.70</b>
	mm	170
Ejector Force	ton	<b>13.50</b>
	kN	120
Ejector Stroke	<b>in</b>	<b>7.87</b>
	mm	200
Maximum Mold Weight	lbs	<b>18,260</b>
	kg	8,300
Dry Cycle (Euromap 6)	sec-in sec-mm	-

### GENERAL

Total Connected Load	kW	<b>119</b>
Machine Dimensions (L x W x H)	ft m	-
Machine Weight	lbs kg	-