

## Technical Specifications

| INJECTION UNIT                       | ENGLISH METRIC            | 1540 Frame    |               |               | 2290 Frame    |               |               | 3470 Frame    |               |               |
|--------------------------------------|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                                      |                           | A             | B             | C             | A             | B             | C             | A             | B             | C             |
| Injection Capacity, Maximum GPPS     | <b>oz</b>                 | <b>18.40</b>  | <b>26.60</b>  | <b>36.20</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>gms</b>                | 523           | 753           | 1025          | 861           | 1,172         | 1,530         | 1,318         | 1,722         | 2,179         |
| Theoretical Displacement             | <b>in<sup>3</sup></b>     | <b>33.60</b>  | <b>48.30</b>  | <b>65.80</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>cm<sup>3</sup></b>     | 550           | 792           | 1,078         | 905           | 1,232         | 1,608         | 1,385         | 1,810         | 2,290         |
| Maximum Injection Pressure           | <b>psi</b>                | <b>33,350</b> | <b>28,159</b> | <b>20,691</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>bar</b>                | 2,300         | 1,942         | 1,427         | 2,238         | 1,856         | 1,421         | 2,289         | 1,917         | 1,515         |
| Injection Rate                       | <b>in<sup>3</sup>/sec</b> | <b>19.20</b>  | <b>27.60</b>  | <b>37.60</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>cm<sup>3</sup>/sec</b> | 314           | 453           | 616           | 427           | 580           | 758           | 580           | 758           | 961           |
| Screw Stroke                         | <b>in</b>                 | <b>11.02</b>  |               |               | <b>12.60</b>  |               |               | <b>14.20</b>  |               |               |
|                                      | <b>mm</b>                 | 280           |               |               | 320           |               |               | 360           |               |               |
| Screw Diameter                       | <b>in</b>                 | <b>1.97</b>   | <b>2.36</b>   | <b>2.76</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>mm</b>                 | 50            | 60            | 70            | 60            | 70            | 80            | 70            | 80            | 90            |
| L/D Ratio                            | <b>L/D</b>                | <b>28</b>     | <b>23.30</b>  | <b>20</b>     | <b>26.70</b>  | <b>22.90</b>  | <b>20</b>     | <b>25.70</b>  | <b>22.50</b>  | <b>20</b>     |
| Screw Speed                          | <b>rpm</b>                | <b>300</b>    |               |               | <b>250</b>    |               |               | <b>220</b>    |               |               |
| Plasticizing Rate, GPPS              | <b>oz/sec</b>             | <b>1.61</b>   | <b>2.45</b>   | <b>3.15</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>gm/sec</b>             | 46            | 70            | 90            | 56            | 77            | 101           | 61            | 86            | 114           |
| 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>24.90</b>  |               |               | <b>39.60</b>  |               |               | <b>57.90</b>  |               |               |

### CLAMP

|                                   |                         |                                       |
|-----------------------------------|-------------------------|---------------------------------------|
| Clamping Force                    | <b>ton</b><br>kN        | <b>505</b><br>4,500                   |
| Clamp Stroke                      | <b>in</b><br>mm         | <b>32.30</b><br>820                   |
| Maximum Daylight                  | <b>in</b><br>mm         | <b>64.50</b><br>1,640                 |
| Min/Max Mold Height               | <b>in</b><br>mm         | <b>13.70 / 32.30</b><br>350 / 820     |
| Platen Size (H x V)               | <b>in</b><br>mm         | <b>48.80 x 47.25</b><br>1,240 x 1,200 |
| Distance Between Tie Rods (H x V) | <b>in</b><br>mm         | <b>34.25 x 32.70</b><br>870 x 830     |
| Tie Bar Diameter                  | <b>in</b><br>mm         | <b>5.90</b><br>150                    |
| Ejector Force                     | <b>ton</b><br>kN        | <b>12.30</b><br>110                   |
| Ejector Stroke                    | <b>in</b><br>mm         | <b>7.87</b><br>200                    |
| Maximum Mold Weight               | <b>lbs</b><br>kg        | <b>12,621</b><br>5,725                |
| Dry Cycle (Euromap 6)             | <b>sec-in</b><br>sec-mm | <b>2.60 - 24</b><br>2.90 - 609        |

### GENERAL

|                                |                  |  |
|--------------------------------|------------------|--|
| Total Connected Load           | <b>kW</b>        | <b>76.50</b>                                     |
| Machine Dimensions (L x W x H) | <b>ft</b><br>m   | <b>25.80 x 5.80 x 8.70</b><br>8.05 x 1.80 x 2.65 |
| Machine Weight                 | <b>lbs</b><br>kg | <b>55,115</b><br>25,000                          |