**TECHNICAL SPECIFICATIONS**

**Frame Sizes:**
- 28mm
- 32mm

**Tonnage:** 55

### General

<table>
<thead>
<tr>
<th></th>
<th>ENGLISH</th>
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<tbody>
<tr>
<td><strong>Electrical Motor</strong></td>
<td>hp</td>
<td>kW</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>11.5</td>
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<tr>
<td></td>
<td>15</td>
<td>11.5</td>
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<tr>
<td><strong>Total Oil Capacity</strong></td>
<td>gal</td>
<td>L</td>
</tr>
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<td>208</td>
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<tr>
<td><strong>Water Supply (29°C Inlet Temp)</strong></td>
<td>gal/min L/min</td>
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<td><strong>Connected Load</strong></td>
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<td>17.9</td>
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<tr>
<td><strong>FLI / FLA (Full Load Amps)</strong></td>
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<td><strong>Main Circuit Breaker</strong></td>
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<td>80</td>
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<tr>
<td><strong>Overall Dimensions (L x W x H)</strong></td>
<td>ft m</td>
<td>11.4 x 3.9 x 6.88 /2</td>
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<tr>
<td></td>
<td>11.4</td>
<td>3.9</td>
</tr>
<tr>
<td></td>
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<tr>
<td><strong>Machine Weight</strong></td>
<td>lbs/kg</td>
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<tr>
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<td>7,055</td>
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### Injection Unit Specifications

#### Injection Capacity, Maximum GPPS

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<thead>
<tr>
<th></th>
<th>oz</th>
<th>gms</th>
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<tbody>
<tr>
<td></td>
<td>2.3</td>
<td>64</td>
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<tr>
<td></td>
<td>3.0</td>
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<td>3.7</td>
<td>106</td>
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#### Theoretical Displacement

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<tr>
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<th>in³/cm³</th>
<th>sec</th>
<th>cm³/sec</th>
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<td>112</td>
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<tr>
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<td>6.3</td>
<td>104</td>
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<td>8.1</td>
<td>132</td>
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#### Maximum Injection Pressure

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<td>29,900</td>
<td>2,068</td>
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<tr>
<td></td>
<td>22,900</td>
<td>1,584</td>
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<td>18,100</td>
<td>1,251</td>
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<td>20,000</td>
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#### Injection Rate

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<thead>
<tr>
<th></th>
<th>in/sec cm³/sec</th>
<th>mm/sec</th>
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<tr>
<td></td>
<td>6.2</td>
<td>102</td>
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<td>8.1</td>
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<td>6.0</td>
<td>99</td>
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<td>7.7</td>
<td>126</td>
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<td></td>
<td>10.4</td>
<td>171</td>
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#### Injection Velocity

<table>
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<th>in/sec mm/sec</th>
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<td>6.5</td>
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<tr>
<td></td>
<td>8.1</td>
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<td></td>
<td>10.3</td>
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#### Screw Diameter

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<thead>
<tr>
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<th>in</th>
<th>mm</th>
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<tr>
<td></td>
<td>1.10</td>
<td>28</td>
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<tr>
<td></td>
<td>1.26</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>1.42</td>
<td>36</td>
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<tr>
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<td>1.26</td>
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<td></td>
<td>1.42</td>
<td>36</td>
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<td></td>
<td>1.65</td>
<td>42</td>
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#### Screw L/D Ratio

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<tr>
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<td>22.6</td>
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<td></td>
<td>17.7</td>
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#### Screw Speed

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<thead>
<tr>
<th></th>
<th>rpm</th>
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<td>400</td>
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#### Screw Torque

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<thead>
<tr>
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<th>in-lb Nm</th>
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<td>6,650</td>
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<tr>
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<td>6,100</td>
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<tr>
<td></td>
<td>6,100</td>
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#### Plasticizing Rate (GPPS)

<table>
<thead>
<tr>
<th></th>
<th>oz/sec gm/sec</th>
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<tbody>
<tr>
<td></td>
<td>0.4</td>
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<tr>
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<td>0.5</td>
</tr>
<tr>
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<td>0.7</td>
</tr>
<tr>
<td></td>
<td>0.4</td>
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<tr>
<td></td>
<td>0.5</td>
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<td>0.8</td>
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4165 Half Acre Rd., Batavia OH 45103
513.536.2000
info@milacron.com
www.milacron.com
### Injection Unit Specifications (continued)

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<th></th>
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<th>METRIC</th>
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<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Number of Pyrometers (Barrel/Nozzle) qty</td>
<td>3/1</td>
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<tr>
<td>Total Heat Capacity  kW</td>
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### Clamp

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<tbody>
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<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Clamping Force</td>
<td>ton</td>
<td>kN</td>
</tr>
<tr>
<td>Opening Force</td>
<td>ton</td>
<td>kN</td>
</tr>
<tr>
<td>Clamp Stroke</td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
<td>Clamp Close Velocity</td>
<td>in/sec</td>
<td>cm/sec</td>
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<tr>
<td>Clamp Open Velocity</td>
<td>in/sec</td>
<td>cm/sec</td>
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<tr>
<td>Eject Force (forward)</td>
<td>tons</td>
<td>kN</td>
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<tr>
<td>Eject Velocity (forward)</td>
<td>in/sec</td>
<td>cm/sec</td>
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<tr>
<td>Eject Velocity (retract)</td>
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<td>Ejector Stroke</td>
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<tr>
<td>Mold Protect Pressure</td>
<td>Psi</td>
<td>Bar</td>
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<tr>
<td>Maximum Daylight</td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
<td>Minimum Mold Height</td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
<td>Maximum Mold Height</td>
<td>in</td>
<td>mm</td>
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<tr>
<td>Maximum Mold Weight</td>
<td>lbs</td>
<td>kg</td>
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<td>Platen Size (H x V)</td>
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<td>Distance Between Tie Rods</td>
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<td>Tie Rod Diameter</td>
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<tr>
<td>Dry Cycle Time (Euromap B)</td>
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### Frame Sizes:

#### 28MM, 32MM

**Tonnage:** 55

**Notes**

1) All machine dimensions and specifications are subject to change. Values are for reference only. All general assembly drawings or visuals included herein are for reference only. Please consult the general assembly drawing from a Milacron representative.
2) Additional cabinet dimensions: 1.96 ft x 1.4 ft x 4.2 ft with 16 ft cable
3) These values are for standard machine horsepower and voltage (460V/3ph/60Hz) with no additional options