KMT Waterjet Cutting Pumps

STREAMLINE® SL-VI 200
60,000psi/200hp

ADVANCED PUMPS FOR DEMANDING, HIGH PRESSURE WATER APPLICATIONS

The STREAMLINE® SL-VI 200 pump from KMT Waterjet is designed for massive cutting jobs, ease-of-use, simpler maintenance and lower operating costs.

More Advanced Precision for Smoother, Reliable Operation

The KMT Intensifier - Made in our own facility in the U.S.A. for the best control over quality and extreme precision, the intensifier pressurizes water to a level up to 60,000 psi for continuous high performance cutting.

Just Two Intensifiers for Full Power - Each can use up to 100 hp to deliver 2 gallons per minute (gpm). Because the intensifiers are larger, they stroke slower, just 71 strokes a minute, for smoother performance and longer seal life. The pumps even sound smoother.

Stacked Intensifiers - Exclusive design has the intensifiers close to the front for easiest access.

Big Attenuator Capacity - 0.8 Gallons (with room for up to 1.5 gallons) provides better, more consistent pressure signal for smoother cuts or more consistent cleaning.

Proportional Pressure Control - A standard feature on the 200 hp pump enables fast, automatic pressure changes.

Location of Intensifiers - Upfront and easy to access. Maintenance people will appreciate the location and design at the first seal change!

Reserve Mode - Add an optional third intensifier as a back-up source of pressure. The third intensifier can be used when one (or two) of the others needs to be taken off-line for maintenance. Each intensifier can use up to 100 hp to deliver up to 2 gpm.

Customer-Focused Design - Intensifiers are located at the front of the machine for easy access.

Lower Cost per Gallon - The costs of one pump (both operating cost and purchase cost) are lower than several smaller pumps.

More Standard Features - The STREAMLINE® SL-VI 200 pump has more standard features, including soft-start, proportional control, see-through doors.
**Technical Specifications**

<table>
<thead>
<tr>
<th>SL-VI 200 System Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Power Rate</td>
</tr>
<tr>
<td>Maximum Continuous Pressure</td>
</tr>
<tr>
<td>Max. High Pressure Water Output</td>
</tr>
<tr>
<td>Maximum Single Orifice Diameter</td>
</tr>
<tr>
<td>Number of Language Options on Display (English, Spanish, German, Italian, Swedish)</td>
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<tr>
<td>Control Voltage &amp; Power Supply</td>
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<tr>
<td>Max. Noise Level/Operator’s Noise Level</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
</tr>
<tr>
<td>Length (inches)</td>
</tr>
<tr>
<td>Width (inches)</td>
</tr>
<tr>
<td>Height (inches)</td>
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<tr>
<td>Weight (with oil)</td>
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</tbody>
</table>

**Cutting Water**

- Minimum Inlet Cutting Water Flow: 16 gpm / 61 lpm
- Minimum Inlet Cutting Water Pressure (psi): 35 psi / 2.5 bar
- Plunger Diameter (inches): 1.125" / 28.6mm
- Max. Nominal Strokes per Minute: 71
- Accumulator Volume: 0.8 Gallon / 3 Liters (capacity for 1.6G / 6L)

**Hydraulic System**

- Max. Hydraulic Pressure (at max water pressure): 2650psi (183 bar)
- Hydraulic Reservoir Capacity: 125 Gallons (473 Liters)
- Hydraulic Pump Flow Rate at Max Output: 2x46 gpm (174 lpm)

**Cooling System**

- Minimum Cooling Water Pressure: 35 psi (2.5 bar)

**Options & Other Features**

- Booster Pump (adjustable & protected): standard
- Energy Saving Soft Start: standard
- Oil / Air-Cooler (Closed Loop Cooling System): option
- Redundant Topworks: option
- Proportional Control: standard
- Remote Online Diagnostics (via Modem): option
- EQUALIZER Multi-pump Balancing Kit: option

**Number of Cutting Heads Possible @ Maximum Pressure**

<table>
<thead>
<tr>
<th>Orifice Size</th>
<th>inch</th>
<th>0.004</th>
<th>0.006</th>
<th>0.007</th>
<th>0.008</th>
<th>0.009</th>
<th>0.01</th>
<th>0.011</th>
<th>0.012</th>
<th>0.013</th>
<th>0.015</th>
<th>0.017</th>
<th>0.019</th>
<th>0.02</th>
<th>0.023</th>
<th>0.026</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>0.10</td>
<td>0.15</td>
<td>0.18</td>
<td>0.20</td>
<td>0.23</td>
<td>0.25</td>
<td>0.28</td>
<td>0.30</td>
<td>0.33</td>
<td>0.38</td>
<td>0.43</td>
<td>0.48</td>
<td>0.51</td>
<td>0.58</td>
<td>0.66</td>
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<tr>
<td>Pump Size</td>
<td>200hp</td>
<td>43</td>
<td>19</td>
<td>14</td>
<td>10</td>
<td>8</td>
<td>7</td>
<td>5</td>
<td>4</td>
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<td>3</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
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</tbody>
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KMT Waterjet now offers a Cut Calculator APP that compares 90,000psi to 60,000psi cutting.

Increase Productivity @ 90,000psi!

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