### TECHNICAL DATA

<table>
<thead>
<tr>
<th>MODULE</th>
<th>i713-G2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACHINE SIZE (L x W x H) Does not include pumps or control cabinet</td>
<td>5800 x 3100 x 2100 mm 228&quot; x 122&quot; x 82.7&quot;</td>
</tr>
<tr>
<td>MACHINE WEIGHT</td>
<td>4160 kg - 9180 lb</td>
</tr>
<tr>
<td>MACHINE WEIGHT (with water)</td>
<td>12680 kg - 27950 lb</td>
</tr>
<tr>
<td>CUTTING TABLE DIMENSION</td>
<td>2000 x 4000 mm 78.7&quot; x 157.5&quot;</td>
</tr>
<tr>
<td>CUTTING AREA (without PAC60)</td>
<td>2000 x 4000 mm 78.7&quot; x 157.5&quot;</td>
</tr>
<tr>
<td>BEVEL CUTTING AREA (with PAC60)</td>
<td>1600 x 3650 mm 63&quot; x 143.7&quot;</td>
</tr>
<tr>
<td>CUTTING AREA MAXIMIZED (with PAC60)</td>
<td>1900 x 4000 mm 74.8&quot; x 157.4&quot;</td>
</tr>
<tr>
<td>ACCURACY OF MOTION*</td>
<td>± 0.15 mm/m - 0.006&quot;</td>
</tr>
<tr>
<td>REPEATABILITY OF MOTION*</td>
<td>± 0.05 mm - 0.002&quot;</td>
</tr>
<tr>
<td>MAX. AIR SPEED</td>
<td>17.5 m/min - 700 in/min</td>
</tr>
<tr>
<td>MAX. CUTTING SPEED</td>
<td>17.5 m/min - 700 in/min</td>
</tr>
<tr>
<td>MAX. MATERIAL THICKNESS (with PAC60)</td>
<td>200 mm - 8&quot;</td>
</tr>
<tr>
<td>IMPORTANT NOTICE: the technical data is not binding and may be changed by Techni Waterjet without prior notice. All the above accuracy tolerances are correct at the calibration temperature of 20° ± 1° C.</td>
<td></td>
</tr>
</tbody>
</table>

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### CNC TECHNOLOGY

Upgrade Option - Linear Scale Feedback

- **Accuracy with Linear Scale Feedback**
  - ± 0.05 mm - 0.002"
- **Repeatability with Linear Scale Feedback**
  - ± 0.025 mm - 0.001"

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*Metric/Axis/Meter

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Machines displayed in the present catalogue are without safety barriers in order to ensure the perfect vision of all the details of the machine.
STANDARD FEATURES

ELECTRIC SERVO PUMP - Patented

The Quantum® pump incorporates core “direct servo” technology that was first applied by NASA for the Space Shuttle Program.

**STANDARD FEATURES**

- **Break Away Head**
  - Should the cutting head inadvertently crash into a clamp/fixture, hit the edge of a work piece or an upturned part, the Break Away Head will detect the crash and automatically stop the machine.
  - Not available with PAC60.

- **Servo Z Axis**
  - Servo Z axis with auto height position recall, laser terrain mapping (optional) and edge location optics.

- **Water Raise and Lower**
  - Automatic water Raise/Lower at the push of a button for quieter, cleaner and safer submerged cutting; our tanks include air-tight welds of an air chamber which uses regular shop air pressure.

**VAF and Tech-Sense™**

- **Abrasive Pump and Hopper**
  - The hopper includes a clear pump chamber to ensure abrasive is present and flowing correctly. Here is where the abrasive is pressurized, allowing the lid to be opened at any time.
  - Standard 500 Kg / Optional 2000 Kg

- **Remote Control Pendant**
  - The MPG allows to manually wind forward or backward through a cutting path. This enables the operator to find the exact point along a cutting path from which to re-start cutting after a stoppage, or to simply locate a pre-cut part.

**PAC60™ - Patented**

The PAC60™ operating software incorporates the True Cut algorithms data base, developed to determine the predicted taper at a given surface finish. This taper is then compensated for when cutting the part, anywhere from 0 to 60 degrees, giving you “Precision Angle Control” of any part that can be produced on an X-Y abrasive waterjet cutting machine.

- Cutting parts with a true angle up to +/- 60 degrees with continuous rotation.
- Patented Technology to reduce cutting time significantly.
- Complex 5-Axis Programming made easy and quick to learn.
- Surface Scanner to maintain constant distance between nozzle and workpiece when cutting uneven slabs.
- Positioning accuracy to ±0.1 degrees.
- Multi-pass cutting for edges with different angle.
- Taper cutting automatic compensation.

**Benefits**

- 60% more efficient than hydraulic intensifier
- Designed for quick seal service
- Virtually silent with noise level of 70 dbA

**Output Volume Based on 480 VAC Electrical Supply**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max Output Pressure</th>
<th>Max Output Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>VP 15/52</td>
<td>3585 bar (52,000 psi)</td>
<td>1.9 l/min (0.5 gpm)</td>
</tr>
<tr>
<td>ESP 37/66</td>
<td>4550 bar (66,000 psi)</td>
<td>3.8 l/min (1.0 gpm)</td>
</tr>
</tbody>
</table>

**Output Volume Based on 480 VAC Electrical Supply**

**Full range of options available on the website**

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www.techniwatetjet.com - sales@techniwatetjet.com