• Extremely Long Service Life
• Leak Free Sealless Design
• Canned Stator Motor
• Capacities to 22 GPM
• Heads to 450 Feet
• Low NPSH Requirements
• Temperature Range -40°C to 130°C
• Compact Integrated Design
• Stainless Steel Wetted Parts for Excellent Chemical Compatibility
• Standard NPT Threads with optional SAE, BSP, and ISO Available
• Conduit or Electrical Junction Box
• Variable Frequency Drive / Transducer Package Optional
X41 SERIES Performance Curves

X41B 40 to 90 Hz

X41C 40 to 90 Hz

- Indicates 240 V Amps

* Horsepower data is valid for 1.0 specific gravity fluids only
Performance Curves

X41 SERIES

Indicates 240 V Amps

* Horsepower data is valid for 1.0 specific gravity fluids only

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X41 SERIES PUMPS

Indicates 240 V Amps

* Horsepower data is valid for 1.0 specific gravity fluids only

Performance Curves

X41 SERIES

U.S. GALLONS PER MINUTE
0 2 4 6 8 10 12 14 16 18 20

HEAD IN FEET
0 100 200 300 400 500 600 700

240 V Amps (1.0 S.G.)

X41G

40 to 80 Hz

Head-Capacity

Amps

40Hz 50Hz 60Hz 70Hz 80Hz

X41J

40 to 80 Hz

Head-Capacity

Amps

40Hz 50Hz 60Hz 70Hz 80Hz

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**X41 SERIES**

**Performance Curves**

**X41 SERIES PUMPS**

- Indicates 240 V Amps
- Horsepower data is valid for 1.0 specific gravity fluids only

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**X41M**

**40 to 80 Hz**

- U.S. Gallons Per Minute
- Head in Feet
- Head-Capacity

**X41P**

**40 to 80 Hz**

- U.S. Gallons Per Minute
- Head in Feet
- Head-Capacity

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**MTH PUMPS**

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X41 SERIES

Dimensions

<table>
<thead>
<tr>
<th>Part</th>
<th>Standard Stainless Steel</th>
<th>Optional Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>AISI 316</td>
<td>AISI 316</td>
</tr>
<tr>
<td>Motor Bracket</td>
<td>AISI 316</td>
<td>AISI 316</td>
</tr>
<tr>
<td>Impeller</td>
<td>W88</td>
<td>Available</td>
</tr>
<tr>
<td>Shaft</td>
<td>AISI 304</td>
<td>Chrome Oxide Coated</td>
</tr>
<tr>
<td>&quot;O&quot; Rings</td>
<td>Viton A</td>
<td>EPR, Buna, Kalrez</td>
</tr>
<tr>
<td>Bearings</td>
<td>Carbon</td>
<td>Silicon Carbide</td>
</tr>
</tbody>
</table>

Application Specifications

Type of Service__________________________________
Fluid Name_____________________________________
Suction Pressure________ Feet of Fluid Head
Maximum Flow__________GPM
@ ________Feet Total Dynamic Head
Minimum Flow__________GPM
@ ________Feet Total Dynamic Head
Typical Flow__________GPM
@ ________Feet Total Dynamic Head
Maximum Fluid Temperature______°C, °F
Minimum Fluid Temperature______°C, °F
Typical Operating Fluid Temperature______°C, °F
Net Positive Suction Head Available______°C, °F
Fluid Head Vapor Pressure______Feet
at Max. Fluid Temp.

Surface Tension__________Dynes per Sq. Centimeter at
Maximum Temp.
Viscosity of fluid________(Centipoise)
Specific Gravity of Fluid________ at Typical Operating Temp.
Known Compatible Construction Materials________
Known Compatible Elastomers for Static Use________
Known Non-Compatible Elastomers________
Duty Cycle________ Starts/Hour, Day, or Continuous
Duty Cycle________ Hours per Day
Available Voltage________(115/208-230/460)
Phase________(1 or 3)
Input Frequency________(50 or 60 Hertz)
Maximum Current Available________Amps.