A fixed displacement bent axis piston pump

Ultimate power and performance in a small package best describes the fixed displacement T Series bent axis piston pumps. Designed exclusively for high pressure applications, the T Series has a high efficiency and rugged design providing for high performance and extra long life.

KEY FEATURES
- Four standard sizes 11-12 GPM (43-80 LPM)
- Pressures to 6,525 PSI (450 BAR) continuous duty
- Speeds to 1,900 RPM
- Double shaft seals
- BSPP straight thread
- DIN 5462 4-bolt shaft and flange
- Small lightweight design
- Full one-year warranty
- Complimentary mounts are available on most Muncie Power PTO series

MODEL NUMBER CONSTRUCTION
- Pump — P
- Series — T
- Design Number
  - Standard — 2
- Models CC’s (GPM/LPM) @ 1,000 RPM
  - 047 (12.4/47)
  - 064 (16.5/64)
  - 084 (22.2/84)
  - 108 (28.5/108)
- Shaft Type
  - 20 — DIN 5462 (8T x 32 x 36)
- Mounting Flange
  - N — DIN 5462 80MM 4-Bolt
- Port Type
  - B — BSPP Thread
- Port Location
  - R — Rear
- Rotation
  - L — CCW Rotation
  - R — CW Rotation

PUMP PERFORMANCE

OUTPUT FLOW BY MODEL

POWER CONSUMPTION @ PRESSURE (BAR)
### Piston Pump Specifications

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DISPLACEMENT CU IN (CC)</th>
<th>MAX RPM</th>
<th>MIN RPM</th>
<th>MAX PSI (BAR)</th>
<th>MAX INLET VACUUM</th>
<th>APPROX. WEIGHT LBS.(KG)</th>
<th>PORTS INLET (BSPP)</th>
<th>OUTLET (BSPP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT2-047</td>
<td>2.87 (47)</td>
<td>1,900</td>
<td>300</td>
<td>6,525 (450)</td>
<td>6 in.Hg. (.20 BAR)</td>
<td>23.1 (10.5)</td>
<td>1</td>
<td>¼</td>
</tr>
<tr>
<td>PT2-064</td>
<td>3.91 (64)</td>
<td>1,900</td>
<td>300</td>
<td>6,525 (450)</td>
<td>6 in.Hg. (.20 BAR)</td>
<td>29.8 (13.5)</td>
<td>1¼</td>
<td>1</td>
</tr>
<tr>
<td>PT2-084</td>
<td>5.13 (84)</td>
<td>1,600</td>
<td>300</td>
<td>5,800 (400)</td>
<td>6 in.Hg. (.20 BAR)</td>
<td>29.8 (13.5)</td>
<td>1¼</td>
<td>1</td>
</tr>
<tr>
<td>PT2-108</td>
<td>6.59 (108)</td>
<td>1,500</td>
<td>300</td>
<td>5,075 (350)</td>
<td>6 in.Hg. (.20 BAR)</td>
<td>29.8 (13.5)</td>
<td>1¼</td>
<td>1</td>
</tr>
</tbody>
</table>

Maximum Oil Temperature: 180°F (82°C). Note: 10 Micron return line filtration recommended.
Recommended Oil Viscosity: 78-220 SUS (15-46 cSt), 5,000 SSU (1,000 cSt) max. startup

### Optional Fittings

Optional low pressure and high pressure fittings provided for easy connection to typical North American hoses and thread types.

#### MODEL NO. DESCRIPTION
- R4BP45-24-16B 1½” hose barb, 45°, to 1” male BSPP, swivel
- R4BP45-32-20B 2” hose barb, 45°, to 1¼” male BSPP, swivel
- R4BP90-32-20B 2” hose barb, 90°, to 1¼” male BSPP, swivel
- HC-32-HD Heavy duty 2” hose clamp
- BP-MJ-12-12P ¾” mail BSPP, to -12 male JIC
- BP-MJ45-12-12P ¾” mail BSPP, 45°, to -12 male JIC
- BP-MJ90-12-12P ¾” mail BSPP, 90°, to -12 male JIC
- PB-MJ90-12-12P ¾” mail BSPP, to -12 male JIC

#### MODEL NO. DESCRIPTION
- BP-MJ90-12-16P ¾” mail BSPP, 90°, to -16 male JIC
- BP-MJ-16-12P 1” mail BSPP, to -12 male JIC
- BP-MJ-16-16P 1” mail BSPP, to -16 male JIC
- BP-MJ45-16-16P 1” mail BSPP, 45°, to -16 male JIC
- BP-MJ90-16-16P 1” mail BSPP, 90°, to -16 male JIC
- BP-MJ-20-20P 1½” mail BSPP, to -20 male JIC
- BP-FBP-16-20 1¼” mail BSPP, to 1¼” female BSPP

### Mounting Dimensions

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIM A</th>
<th>DIM B</th>
<th>DIM C</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>6.18 (157)</td>
<td>4.21 (107)</td>
<td>8.66 (220)</td>
</tr>
<tr>
<td>64, 84, 108</td>
<td>6.81 (173)</td>
<td>4.64 (118)</td>
<td>9.44 (240)</td>
</tr>
</tbody>
</table>

*Note: Keep port cover flush to body when rotating.*