AIR DRIVEN, HIGH VOLUME, HIGH PRESSURE, TDA PUMPS

TDA POWER PACK

STANDARD EQUIPMENT

- Fluid inlet strainer
- Air filter, regulator, lubricator gauge & pump on/off valve
- 6" dia (150mm) dia. panel mtd pressure gauge
- Pressure release valve
- Fully assembled with all interconnecting adaptors & pipework
- Robust painted framework

OPTIONS

- Stainless steel framework, wheels, pressure isolation valve, stroke counting facilities, pneumatic or battery powered, offshore paint specification
- ATEX option to II 2GD c T5

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>TDA Model</th>
<th>M.W.P</th>
<th>Output per cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>6,300 psi (434 bar)</td>
<td>16.8in³ (0.275 litres)</td>
</tr>
<tr>
<td>125</td>
<td>12,500 psi (862 bar)</td>
<td>8.59in³ (0.14 litres)</td>
</tr>
<tr>
<td>216</td>
<td>21,600 psi (1,489 bar)</td>
<td>4.83in³ (0.079 litres)</td>
</tr>
</tbody>
</table>

Discharge Capacity - Gallons (litres) per minute - Approximately based on 212 SCFM (6000 nL/M) with 100psi (7 bar) Driving Air

<table>
<thead>
<tr>
<th>PUMP MODEL NO.</th>
<th>0 psi/0 bar</th>
<th>1500 psi/103 bar</th>
<th>3000 psi/207 bar</th>
<th>5000 psi/345 bar</th>
<th>6000 psi/414 bar</th>
<th>8000 psi/552 bar</th>
<th>10,000 psi/690 bar</th>
<th>12,000 psi/828 bar</th>
<th>15,000 psi/1035 bar</th>
<th>20,000 psi/1380 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDA63</td>
<td>7.08 gal</td>
<td>5.00 gal</td>
<td>3.56 gal</td>
<td>1.76 gal</td>
<td>0.62 gal</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>63:1 ratio</td>
<td>32.2 ltrs</td>
<td>22.7 ltrs</td>
<td>16.2 ltrs</td>
<td>8 ltrs</td>
<td>2.8 ltrs</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>TDA125</td>
<td>3.72 gal</td>
<td>2.80 gal</td>
<td>2.33 gal</td>
<td>1.83 gal</td>
<td>1.61 gal</td>
<td>1.06 gal</td>
<td>0.66 gal</td>
<td>0.08 gal</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>125:1 ratio</td>
<td>16.9 ltrs</td>
<td>12.7 ltrs</td>
<td>10.6 ltrs</td>
<td>8.3 ltrs</td>
<td>7.31 ltrs</td>
<td>4.8 ltrs</td>
<td>3 ltrs</td>
<td>0.36 ltrs</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>TDA216</td>
<td>2.10 gal</td>
<td>1.87 gal</td>
<td>1.63 gal</td>
<td>1.41 gal</td>
<td>1.35 gal</td>
<td>1.21 gal</td>
<td>1.08 gal</td>
<td>0.95 gal</td>
<td>0.77 gal</td>
<td>0.35 gal</td>
</tr>
<tr>
<td>216:1 ratio</td>
<td>9.5 ltrs</td>
<td>8.5 ltrs</td>
<td>7.4 ltrs</td>
<td>6.4 ltrs</td>
<td>6.1 ltrs</td>
<td>5.5 ltrs</td>
<td>4.9 ltrs</td>
<td>4.3 ltrs</td>
<td>3.5 ltrs</td>
<td>1.6 ltrs</td>
</tr>
</tbody>
</table>

Nominal Dimensions: 24 x 25 ½ x 29 ½" high (610mm x 650mm x 750mm high)
Approx Weight: 230lbs (105kgs)
TYPICAL APPLICATIONS

• Pressure testing of large i.d. pipelines, hose umbilicals, wellhead control valves...
• Chemical injection including methanol, glycol...
• Pre-charge of hydraulic accumulators
• Operation of Sub-Sea Valves
• Pre-fill and pre-pressurisation of high pressure and high volume test systems

FEATURES

• Ability to stall at any predetermined pressure and hold this pressure without consuming power or generating heat
• Infinitely variable cycling speed and flow
• Reliable, easy to maintain, compact and robust
• Dual seals between hydraulic and air sections with captured vent port as standard

CONSTRUCTION MATERIALS

• Hydraulic Section – Mainly stainless steels with water and/or oil service duty seals
• Air Drive Section – Mainly anodised aluminium with Buna N seals
• Special Seal Compounds for handling special fluids or chemicals are available

DIMENSIONAL DATA

PERFECT UNDER PRESSURE

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