### ShalePumps

**SP-800QL HIGH PERFORMANCE QUINTUPLEX**

**CONTINUOUS DUTY PUMP PERFORMANCE CHART**

<table>
<thead>
<tr>
<th>SP-800QL High Performance 6” Stroke Quintuplex</th>
<th>Strokes Per Min.</th>
<th>280</th>
<th>260</th>
<th>240</th>
<th>200</th>
<th>160</th>
<th>140</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input HP**</td>
<td></td>
<td>800</td>
<td>743</td>
<td>686</td>
<td>571</td>
<td>457</td>
<td>400</td>
<td>286</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Piston/Plunger Size</th>
<th>Discharge Pressure</th>
<th>Output Gal/Rev</th>
<th>OUTPUT - Gallons Per Minute*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6”***</td>
<td>1,267</td>
<td>3.672</td>
<td>1028</td>
</tr>
<tr>
<td>5 ½***</td>
<td>1,508</td>
<td>3.086</td>
<td>864</td>
</tr>
<tr>
<td>5”</td>
<td>1,824</td>
<td>2.550</td>
<td>714</td>
</tr>
<tr>
<td>4 ½”</td>
<td>2,252</td>
<td>2.066</td>
<td>578</td>
</tr>
<tr>
<td>4”</td>
<td>2,851</td>
<td>1.632</td>
<td>457</td>
</tr>
<tr>
<td>3 ½”</td>
<td>3,723</td>
<td>1.250</td>
<td>350</td>
</tr>
<tr>
<td>3”</td>
<td>5,068</td>
<td>0.918</td>
<td>357</td>
</tr>
<tr>
<td>2 ½”</td>
<td>7,298</td>
<td>0.638</td>
<td>179</td>
</tr>
</tbody>
</table>

*BASED ON 100% VOLUMETRIC EFFICIENCY; ** BASED ON 95% MECHANICAL EFFICIENCY, *** Piston Only

### Features

- MINIMUM WEIGHT/MAXIMUM PERFORMANCE WITH CONTINUOUS DUTY LIFE EXPECTANCY
- 33% INCREASE IN MWD/LWD FREQUENCY BANDWIDTH
- 66% INCREASE IN THE MWD/LWD DATA TRANSFER RATE
- FOUR MAIN BEARING DESIGN ELIMINATES CRANKSHAFT DEFLECTION
- HIGH PERFORMANCE STRUCTURAL STEEL FABRICATED POWER END
- ANTI-FRICTION ROLLER BEARINGS THROUGHOUT
- FORGED STEEL ECCENTRIC CRANKSHAFT
- DOUBLE (REDUNDANT) FAILSAFE INTERNAL LUBE SYSTEM
- METAL TO METAL LINER LOCK

### Specifications

- **Classification**
  - General Duty
  - **INPUT HORSEPOWER RATING**: 800
  - **PUMP SPEED**: 280
  - **STROKE LENGTH**: 6”
  - **MAXIMUM PISTON SIZE**: 5 ½”
  - **FLUID END WORKING PRESSURE RATING**: 7500 PSI
  - **DISCHARGE CONNECTION SIZE**: 4” FLANGE
  - **SUCTION CONNECTION SIZE**: 6”/8” FLANGE
  - **CRANKCASE OIL CAPACITY**: 90 GALLONS
  - **LINERWASH CAPACITY**: 60 GALLONS
  - **DRY WEIGHT**: 11,200 LBS
  - **MAXIMUM CONTINUOUS DUTY PISTON ROD LOAD**: 34,000 LBS
  - **EXTERNAL GEAR RATIO (OTHER RATIOS AVAILABLE)**: 4.61:1
DIMENSIONS ARE IN INCHES
BREAK SHARP CORNERS  ~  .015
FILLET RADII                  ~  .015
CONCENTRICITY             ~  .001
SQUARENESS                 ~  .001
PARALLELISM                 ~  .001
RFS EXCEPT WHEN MODIFIED
DIMENSIONAL TOL.
FRACT.   ~   ±1/16
X.XXX     ~   ±.005
X.XX       ~   ±.010
X.X         ~   ±.015
ANGLE     ~      .50
SURFACE RMS 250
MATERIAL:
ShalePumps