

Odessa PUMPS

| Conversion Table | | | |
|--|--|---|--|
| Inches Diameter To Face Area | | | |
| Plunger or Piston Size (inches in diameter) | Plunger or Piston Face Area (square inches) | Plunger or Piston Size (Inches Diameter) | Plunger or Piston Face Area (Square Inches) |
| 1/2 | .20 | 3 1/4 | 8.30 |
| 5/8 | .31 | 3 3/8 | 8.95 |
| 3/4 | .44 | 3 1/2 | 9.62 |
| 7/8 | .60 | 3 5/8 | 10.32 |
| 1 | .79 | 3 3/4 | 11.05 |
| 1 1/8 | .99 | 3 7/8 | 11.79 |
| 1 1/4 | 1.23 | 4 | 12.57 |
| 1 3/8 | 1.48 | 4 1/4 | 14.19 |
| 1 1/2 | 1.77 | 4 1/2 | 15.90 |
| 1 5/8 | 2.07 | 4 3/4 | 17.72 |
| 1 3/4 | 2.41 | 5 | 19.64 |
| 1 7/8 | 2.76 | 5 1/4 | 21.65 |
| 2 | 3.14 | 5 1/2 | 23.76 |
| 2 1/8 | 3.55 | 5 3/4 | 25.97 |
| 2 1/4 | 3.98 | 6 | 28.27 |
| 2 3/8 | 4.43 | 6 1/4 | 30.68 |
| 2 1/2 | 4.91 | 6 1/2 | 33.18 |
| 2 5/8 | 5.41 | 6 3/4 | 35.78 |
| 2 3/4 | 5.94 | 7 | 38.48 |
| 2 7/8 | 6.49 | 7 1/4 | 41.28 |
| 3 | 7.07 | 7 1/2 | 44.18 |
| 3 1/8 | 7.67 | 7 3/4 | 47.17 |

| Maximum Allowable Speed Ratings for Power Pumps in Continuous Service | | | | | | | |
|---|------|---|-------------------|-----------------|------------------------------------|-------------------|-----------------|
| Stroke Length | | Single - Acting Plunger - Type Pumps | | | Double-Acting Piston-Type Pumps | | |
| (mm) | (in) | Revolutions per Minute | Meters per Minute | Feet per Minute | Revolutions per Minute | Meters per Minute | Feet per Minute |
| 50 | 2 | 450 | 45 | 150 | 140 | 14 | 46.5 |
| 75 | 3 | 400 | 60 | 200 | - | - | - |
| 100 | 4 | 350 | 71 | 233 | 116 | 23 | 77 |
| 125 | 5 | 310 | 73 | 258 | - | - | - |
| 150 | 6 | 270 | 82 | 270 | 100 | 30 | 100 |
| 175 | 7 | 240 | 85 | 280 | - | - | - |
| 200 | 8 | 210 | 85 | 280 | - | - | - |
| 250 | 10 | - | - | - | 83 | 42 | 138 |
| 300 | 12 | - | - | - | 78 | 48 | 156 |
| 350 | 14 | - | - | - | 74 | 53 | 173 |
| 400 | 16 | - | - | - | 70 | 57 | 186 |

SOURCE: WWW.ODESSAPUMPS.COM