



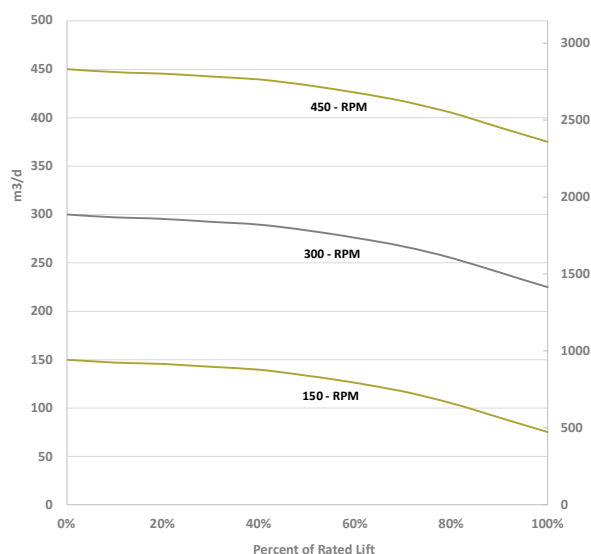
# PUMP SPECIFICATION

## 100M - STD - FL - FLOT



| 100 m3 / Day / 100 RPM ( 629 bbl / Day / 100 RPM ) |                                   |                                                    |                                        |                |                                                                        |
|----------------------------------------------------|-----------------------------------|----------------------------------------------------|----------------------------------------|----------------|------------------------------------------------------------------------|
| Available Models                                   |                                   | 100 M 0800                                         | 100 M 1200                             | 100 M 1600     | 100 M 2000                                                             |
| ROTOR                                              | Geometry: Single Lobe             |                                                    | Operating Speed: 50 - 500 RPM          |                | Free Gas Volume Fraction: 40% continuous                               |
|                                                    | Swept Rotor Angle:                | 45                                                 | Orbit Helix - mm (in): 96.00 ( 3.780 ) |                | Intake cavity area - mm <sup>2</sup> (in <sup>2</sup> ): 2304 ( 3.57 ) |
|                                                    | Pump Lift H2O - m (ft)            | 800 ( 2624 )                                       | 1200 ( 3936 )                          | 1600 ( 5248 )  | 2000 ( 6560 )                                                          |
|                                                    | Rated Pressure kPa (psi)          | 8000 ( 1160 )                                      | 12000 ( 1740 )                         | 16000 ( 2321 ) | 20000 ( 2901 )                                                         |
|                                                    | Rated Torque N-m (ft-lbs)         | 1017 ( 749 )                                       | 1524 ( 1123 )                          | 2033 ( 1498 )  | 2540 ( 1872 )                                                          |
|                                                    | Rotor Top Connection mm (in)      | 1 1/8" API Pin                                     |                                        |                |                                                                        |
|                                                    | Rotor Head Diameter mm (in)       | 57.15 ( 2.25 )                                     |                                        |                |                                                                        |
|                                                    | Overall Rotor Length m (in)       | 5.01 ( 197 )                                       | 7.26 ( 286 )                           | 9.51 ( 375 )   | 11.77 ( 463 )                                                          |
|                                                    | Weight kg (lbs)                   | 67 ( 147 )                                         | 98 ( 216 )                             | 130 ( 286 )    | 161 ( 354 )                                                            |
|                                                    | Nominal Rotor Drift OD mm (in)    | 73.07 ( 2.877 )                                    |                                        |                |                                                                        |
| STATOR - STD - FL                                  | Stator OD mm (in)                 | 127.0 ( 5.00 )                                     |                                        |                |                                                                        |
|                                                    | Collar OD (mm)                    | STD - 132 ( 5.200 ) // FL 127 ( 5.000 )            |                                        |                |                                                                        |
|                                                    | Connection Discharge - Intake     | STD - 4 1/2" EUE Box // FL 4 1/2" NUE Box          |                                        |                |                                                                        |
|                                                    | Stator Overall Length w TB m (in) | 5.17 ( 204 )                                       | 7.42 ( 292 )                           | 9.68 ( 381 )   | 11.93 ( 470 )                                                          |
|                                                    | Weight kg (lbs)                   | 130 ( 286 )                                        | 195 ( 429 )                            | 259 ( 570 )    | 324 ( 713 )                                                            |
|                                                    | Distance TB to Elastomer mm (in)  | 300 ( 12 )                                         |                                        |                |                                                                        |
|                                                    | Tagbar/sub bottom connection      | 3 1/2" EUE Pin or 4 1/2" EUE Pin or 4 1/2" NUE Pin |                                        |                |                                                                        |
| STATOR - FLOT                                      | Stator OD mm (in)                 | 127.0 ( 5.00 )                                     |                                        |                |                                                                        |
|                                                    | Collar OD mm (in)                 | 127.0 ( 5.00 )                                     |                                        |                |                                                                        |
|                                                    | Connection Discharge - Intake     | 3 1/2" EUE Box or 4 1/2" NUE Box                   |                                        |                |                                                                        |
|                                                    | Stator Overall Length w TB m (in) | 6.39 ( 252 )                                       | 8.64 ( 340 )                           | 10.89 ( 429 )  | 13.15 ( 518 )                                                          |
|                                                    | Weight kg (lbs)                   | 168 ( 370 )                                        | 233 ( 513 )                            | 298 ( 656 )    | 363 ( 799 )                                                            |
|                                                    | Distance TB to Elastomer mm (in)  | 300 ( 12 )                                         |                                        |                |                                                                        |
|                                                    | Tagbar/sub bottom connection      | 3 1/2" EUE Pin                                     |                                        |                |                                                                        |
| NOTE                                               |                                   |                                                    |                                        |                |                                                                        |

Target in Well Flow Rates m<sup>3</sup>/d ( bbl/d )



Target In Well Torque N-m ( ft-lbs )

