D&R DIRECTIONAL
300 5th Ave SW
Calgary, Alberta
403.920.0208

## 5” POWER SECTIONS

# 7/8 3.8 Stage

**Speed Ratio: 0.135 rev/L** **Max Differential Pressure: 6,550 kPa**

### STATOR SPECIFICATIONS

| | | |
|---|---|---|
| Overall Length | 198.0 in | 5029 mm |
| Tube O.D. | 5.00 in | 127 mm |
| Tube I.D. | 3.75 in | 95.3 mm |
| Weight | 478 lb | 217 kg |
| Major Diameter | 3.264 in | 82.9mm |
| Minor Diameter | 2.607 in | 66.2mm |
| Fit @ 68°F/20°C | +0.012 in | +0.305 mm |

*Fit=Rotor Mean Diameter- Stator Minor Diameter*
*+ indicates interference fit*
*- indicates loose fit*

### ROTOR SPECIFICATIONS

| | | |
|---|---|---|
| Overall Length | 178.0 in | 4521 mm |
| Contour Length | 172.0 in | 4369 mm |
| Major Diameter | 2.945 in | 74.8 mm |
| Mean Diameter | 2.619 in | 66.5 mm |
| Eccentricity | 0.163 in | 4.1 mm |
| Head Diameter | 2.75 in | 69.9 mm |
| Weight | 277 lb | 126 kg |

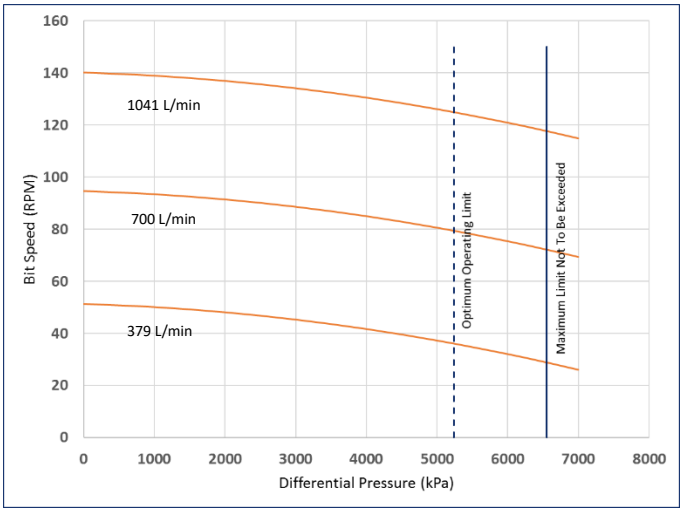
### PERFORMANCE SPECIFICATIONS

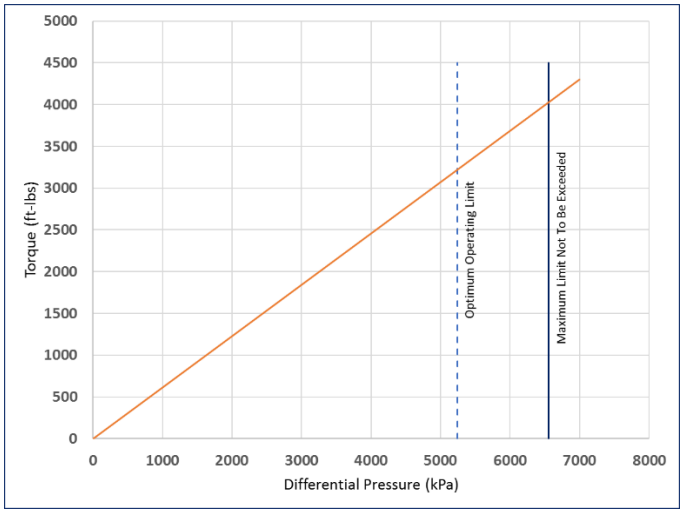
| | |
|---|---|
| Flow Range | 379-1041 L/min |
| Speed Range | 51-140 RPM |
| Torque Slope | 0.614 ft-lbs/kPa |
| Rotation | 0.135 rev/L |
| Off Bottom Pressure | 470 kPa |

### OPERATIONAL LIMITS

| | |
|---|---|
| Recommended Operating Diff Pressure | 5,240 kPa |
| Torque Output | 3,215 ft-lbs |
| Absolute Max Diff not to be exceeded | 6,550 kPa |
| Absolute Max Torque | 4,018 ft-lbs |
| Stall Torque | 8,036 ft-lbs |

*Recommended Operating Diff is 80% of Max Diff posted by the power section manufacturer. This will allow for optimal drilling efficiency while protecting against premature stator wear due to microstalling and inconsistent drilling parameters.*




*Performance curves are for reference only. Actual power section performance may vary depending on operating conditions (e.g. chosen rotor/stator interference fit, possible rubber swelling by drilling fluid, rotor and stator wear, actual downhole temperature, actual stator temperature, physical and chemical properties of the drilling fluid and other factors encountered downhole). The torque may exceed that specified for the connected components. Operating above the recommended limits may result in damage to the power section and connected components which will be the liability of the operator. Data subject to change without notice*