



PV Fluid Products

# SPECIFICATION SHEET FOR: 8" 7:8 LOBE 4.0 STAGE HS88 GROUP 4

## PV800740-HS-4

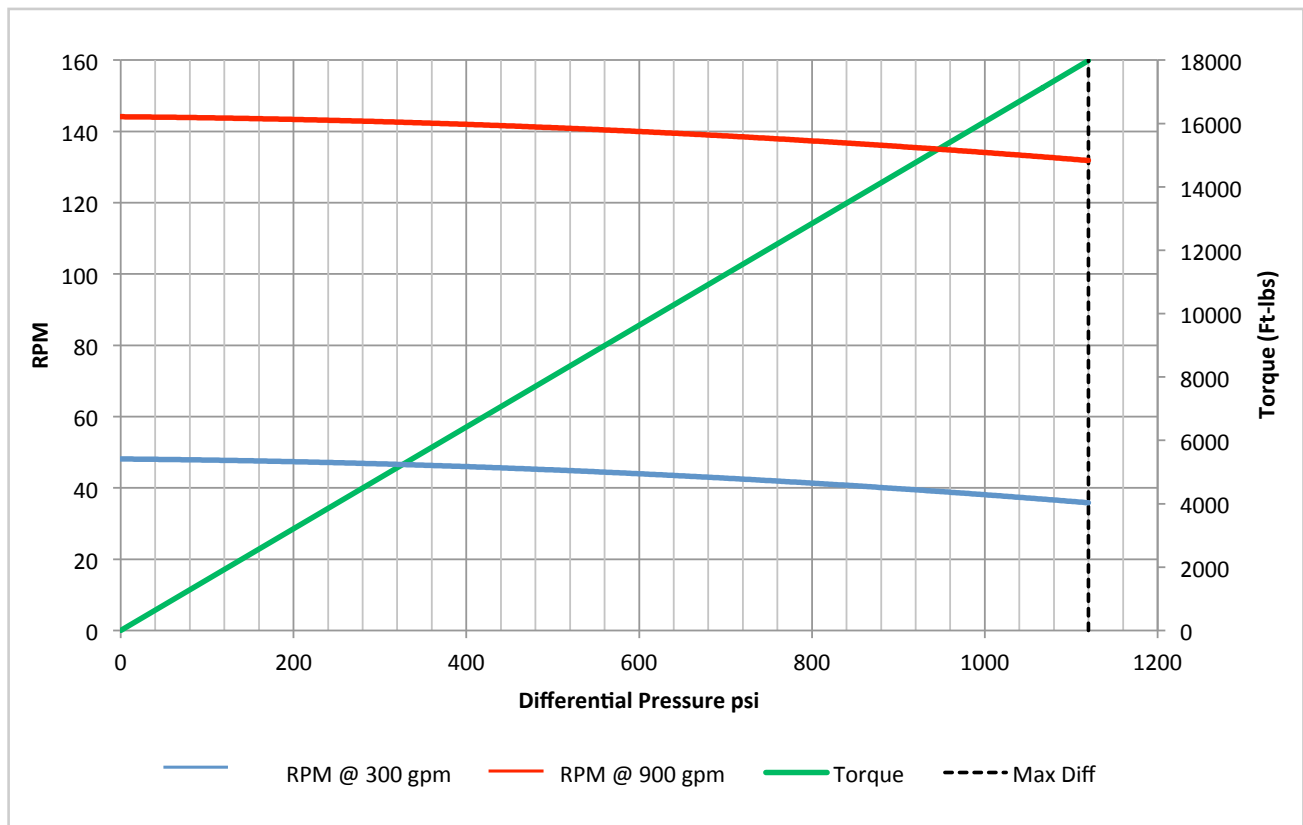
Rotor Details	
Overall Length (in)	196.5
Head Length (in)	7.00
Head Diameter (in)	4.75
Contour OD (in)	5.186
Ecc (in)	0.293
C to V (in)	4.600
Weight (lbs)	764.0

Stator Details	
Overall Length (in)	206.0
Tube OD (in)	8.00
Tube ID (in)	6.25
Alternate OD (in)	7.75
Std Cutbacks (in)	9.00
Weight (lbs)	1241

Recommended Operating Range	
Flow Rate	300 gpm-900 gpm
No Load RPM	48-144
Displacement	0.16 revs/gal
Max Working Pressure	1120 psi
Max Off-BTM Pressure	271 psi
Max Operating Torque	17121 ft-lbs
Torque Slope	16.046 ft-lbs/psi
Max Operating pressure = Max Working psi - Max Off-BTM psi	
<b>For Maximum Life do not exceed 849 psi differential.</b>	

Sizing and Fit Information	
Vector Minor (in)	4.634
Shop Fit @ 70°F	- 0.034 Loose
Temp Correction Factor*	4.5
* Temp correction factor is the degrees (F) required to change the stator size by .001" on diameter.	

### Theoretical performance with water at Operating Temperature



Performance curves for reference only. Data is based on new rotor and stator nominal dimensions. Performance downhole may vary based on drilling conditions and rotor/stator fit. Operating over the specified limits may result in damage to the power section and/or connected components. Information is subject to change.