

DynaForce TT

High-performance thru-tubing motors

DD287564.7

Motor Specifications	
Model number	DD287564.7
Tube OD, in [mm]	2.875 [73.025]
Lobe configuration	5/6
Stages	4.7

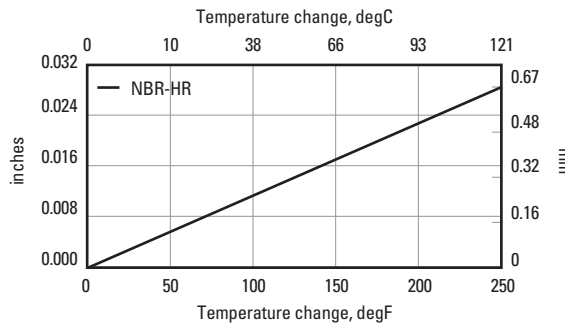
Motor General Dimensions	
Overall length, ft [m]	13.76 [3.95]
Bit box, top sub, ft [m]	12.97 [3.73]
Bit box, stator, ft [m]	4.75 [1.36]
Total weight, lbm [kg]	200.0 [90.9]
Top connection	2.375 DSI PAC
Maximum WOB, lbm	12,500
Maximum total overpull, lbm	150,960

Rotor Specifications	
Overall length, in [mm]	92.0 [2,337.0]
Contour length, in [mm]	87.5 [2,223.0]
Eccentricity, in [mm]	0.135 [3.43]
Major diameter, in [mm]	1.909 [48.49]
Head diameter, in [mm]	1.690 [42.90]
Weight, lbm [kg]	65.0 [29.5]
Material	17-4SS
Thread form [†]	1.270 - 10 STUB ACME

[†] Alternate or custom thread forms are available.

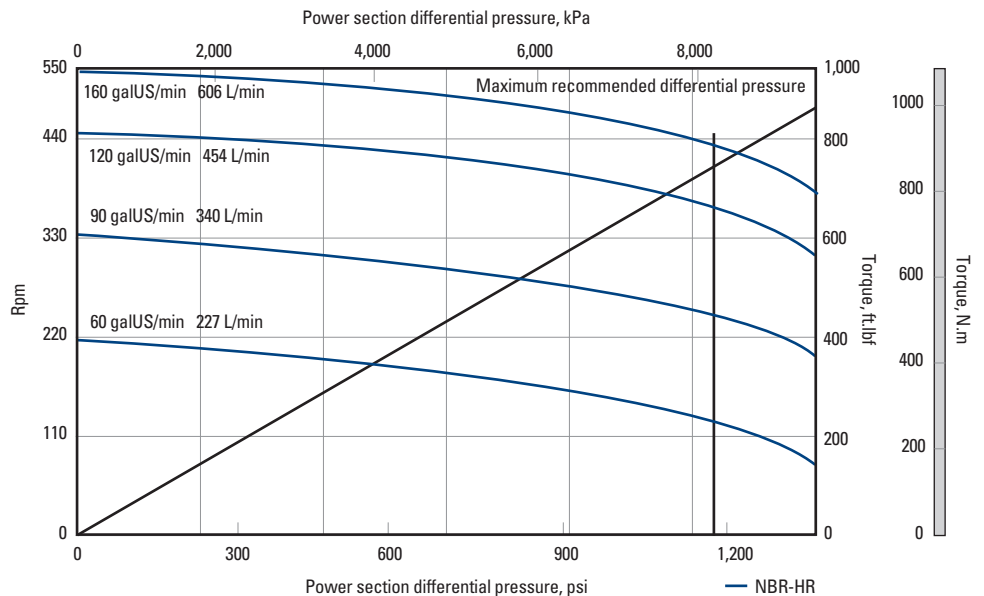
Stator Specifications	
Overall length, in [mm]	98.6 [2,505.0]
Rubber cut back, in [mm]	7.0 [178.0]
Tube OD, in [mm]	2.88 [73.0]
Tube ID, in [mm]	2.36 [59.9]
Weight, lbm [kg]	70.0 [32.0]
Number of stages	4.7
Rubber type	NBR-HR
Tube material	4142 seamless tubing

Power Section Fit Change



Fit Information	
Elastomer type	NBR-HR
Stator Size	Minor diameter
Undersize, in [mm]	
Standard, in [mm]	
Oversize, in [mm]	1.628 [41.35]
Double oversize, in [mm]	
Nominal Fit at 73 degF [23 degC]	
Undersize, in [mm]	
Standard, in [mm]	
Oversize, in [mm]	0.011 [0.28]

Performance Specifications		Performance Details	
Torque slope, ft.lbf/psi [N.m/kPa]	0.698 [0.137]	Maximum differential pressure, psi [kPa]	1,180 [8,100]
Flow range, galUS/min [L/min]	60 to 160 [230 to 606]	Maximum torque, ft.lbf [Nm]	820 [1,110]
Rotation, rev/galUS [rev/L]	3.732 [0.986]	Stall differential pressure, psi [kPa]	1,760 [12,150]
Speed range, rpm	223 to 595	Stall torque, ft.lbf [N.m]	1,230 [1,660]
Off-bottom pressure, psi [kPa]	70 [530]	Maximum recommended power, hp [kW]	81 [61]



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves are recorded at 73 degF on a STD fit Rotor/Stator combination and are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice. Power calculation is based on maximum RPM at full torque. Stator sizes subject to change without notice.