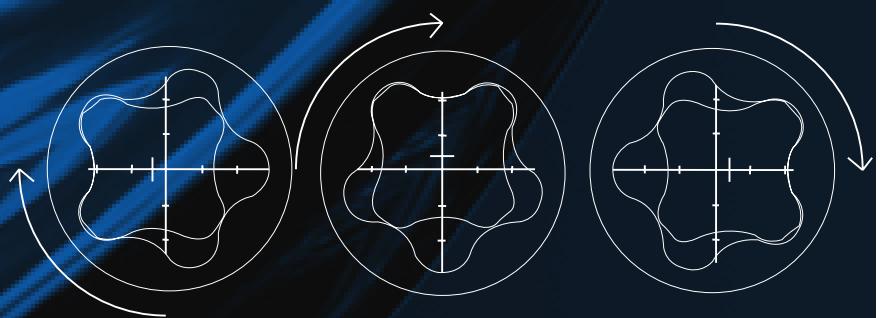


# Dyna-Drill

POWER SECTION CATALOG

2014 EDITION

Power That Lasts™





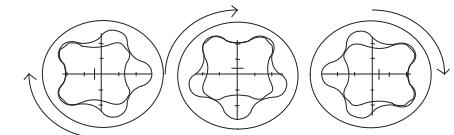
[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 23400 Colonial Parkway, Katy, TX 77493 Tel.: (281) 227-1250 Fax: (281) 227-1255

Canada: 2802-5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711 Fax (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

## Power Sections



Power Sections		Configuration			Performance			Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)			Replacement For				
Size	Model Number	Tube OD/ID inch	Stator Length in (mm)	Lobes	Stages	Speed rev/gal (rev/lit)	Torque Slope ft-lb/psi (Nm/kPa)	Max RPM	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	Dyna-Drill R&M	Monopolar Roper	Monopolar Driex	Monopolar Weatherford
1.68"	DD168562.3	1.68 (1.29)	60.0 (1524)	5:6	2.3	9.250 (2.444)	0.27 (0.054)	390	350 (2380)	90 (130)	7 (5)	580 (3960)	160 (210)	12 (9)	X			
	DD168564.0	1.68 (1.37)	57.6 (1462)	5:6	4.0	16.314 (4.310)	0.17 (0.033)	690	600 (4140)	100 (140)	13 (10)	1000 (6890)	170 (230)	22 (17)	X			X
	DD168564.4	1.68 (1.37)	82.5 (2096)	5:6	4.4	11.250 (2.972)	0.27 (0.053)	450	660 (4550)	180 (240)	15 (12)	1100 (7580)	300 (400)	25 (19)	X	X		
2.13"	DD213564.0	2.12 (1.75)	66.5 (1689)	5:6	4.0	9.574 (2.529)	0.27 (0.053)	630	600 (4140)	160 (220)	19 (15)	1000 (6890)	270 (370)	32 (24)	X		X	
2.38"	DD238564.0	2.37 (1.87)	71.6 (1819)	5:6	4.0	7.175 (1.895)	0.36 (0.070)	580	600 (4140)	210 (290)	23 (18)	900 (6210)	320 (430)	35 (27)				X
2.87"	DD287124.9	2.87 (2.44)	117.0 (2972)	1:2	4.9	10.937 (2.889)	0.25 (0.049)	990	740 (5070)	180 (250)	34 (26)	1100 (7600)	270 (370)	51 (39)				
	DD287562.6	2.87 (2.44)	117.0 (2972)	5:6	2.6	2.300 (0.608)	1.02 (0.200)	210	390 (2690)	400 (540)	16 (12)	590 (4030)	590 (810)	23 (18)	X			
	DD287564.7	2.87 (2.37)	98.0 (2489)	5:6	4.7	3.732 (0.986)	0.70 (0.137)	340				1060 (7290)	740 (1000)	47 (36)				
	DD287567.0	2.87 (2.37)	117.0 (2972)	5:6	7.0	5.740 (1.516)	0.48 (0.095)	690	1050 (7240)	510 (690)	67 (51)	1750 (12070)	850 (1150)	111 (84)	X			
	DD287783.5	2.87 (2.31)	80.0 (2032)	7:8	3.5	4.000 (1.057)	0.65 (0.128)	480	530 (3620)	340 (460)	31 (24)	880 (6030)	570 (770)	52 (40)	X			
3.13"	DD313783.0	3.12 (2.60)	106.0 (2692)	7:8	3.0	1.690 (0.446)	1.45 (0.285)	240	450 (3100)	650 (890)	29 (22)	680 (4650)	980 (1330)	44 (34)		X		
3.38"	DD338783.0	3.37 (2.75)	124.0 (3150)	7:8	3.0	1.390 (0.367)	1.87 (0.368)	160	450 (3100)	840 (1140)	24 (19)	680 (4650)	1260 (1710)	37 (28)	X			
3.50"	DD350563.0	3.50 (2.75)	79.8 (2026)	5:6	3.0	2.372 (0.627)	1.11 (0.218)	270	450 (3100)	500 (680)	25 (19)	680 (4650)	750 (1020)	37 (28)	X		X	
	DD350784.3	3.50 (2.75)	133.8 (3397)	7:8	4.3	1.846 (0.488)	1.43 (0.281)	210	650 (4450)	920 (1250)	36 (27)	970 (6670)	1380 (1870)	53 (41)	X			
3.75"	DD375238.0	3.75 (3.00)	135.0 (3429)	2:3	8.0	5.800 (1.532)	0.48 (0.095)	930	1200 (8270)	580 (790)	102 (78)				X			
	DD375349.0	3.75 (2.75)	149.0 (3785)	3:4	9.0	5.375 (1.420)	0.50 (0.098)	860	1350 (9310)	670 (910)	110 (84)	2030 (13960)	1010 (1360)	165 (125)			X	
	DD375452.0	3.75 (3.00)	82.5 (2096)	4:5	2.0	1.580 (0.417)	1.82 (0.358)	260	300 (2070)	550 (740)	26 (20)	450 (3100)	820 (1110)	39 (30)				
	DD375453.5	3.75 (3.00)	135.0 (3429)	4:5	3.5	1.550 (0.409)	1.82 (0.358)	250	530 (3620)	960 (1300)	45 (34)	790 (5430)	1430 (1940)	68 (52)	X	X	X	
	DD375563.8	3.75 (3.00)	80.5 (2045)	5:6	3.8	2.275 (0.601)	1.24 (0.243)	460	570 (3930)	700 (950)	61 (46)				X			
	DD375564.2	3.75 (3.00)	160.0 (4064)	5:6	4.2	1.563 (0.413)	1.67 (0.328)	250	630 (4340)	1050 (1420)	50 (38)				X			
	DD375782.3	3.75 (3.00)	141.0 (3581)	7:8	2.3	0.768 (0.203)	3.22 (0.633)	130	350 (2380)	1110 (1510)	26 (20)	520 (3570)	1670 (2260)	39 (30)	X	X	X	
	DD375786.7	3.75 (3.00)	180.0 (4572)	7:8	6.7	1.613 (0.426)	1.63 (0.321)	260	1010 (6930)	1640 (2230)	81 (61)	1510 (10390)	2460 (3340)	121 (92)	X			
	DD3757810.1	3.75 (3.00)	225.0 (5715)	7:8	10.1	1.950 (0.515)	1.34 (0.263)	320	1520 (10450)	2030 (2750)	120 (92)				X			
4.75"	DD475127.0	4.75 (3.87)	190.0 (4826)	1:2	7.0	3.300 (0.872)	0.93 (0.183)	830	1050 (7240)	980 (1330)	154 (117)	1580 (10860)	1470 (1990)	231 (176)			X	
	DD475238.5	4.75 (3.75)	260.0 (6604)	2:3	8.5	1.913 (0.505)	1.49 (0.293)	580	1280 (8790)	1900 (2580)	208 (158)	1910 (13190)	2850 (3860)	311 (237)	X			
	DD475453.5	4.75 (3.75)	115.8 (2940)	4:5	3.5	1.020 (0.269)	2.76 (0.543)	260	530 (3620)	1450 (1960)	70 (54)	790 (5430)	2170 (2950)	105 (80)	X	X	X	
	DD475456.0	4.75 (3.75)	187.0 (4750)	4:5	6.0	1.020 (0.269)	2.73 (0.537)	260	900 (6210)	2460 (3330)	119 (91)	1350 (9310)	3690 (5000)	179 (136)	X	X	X	X
	DD475456.3	4.75 (3.75)	207.0 (5258)	4:5	6.3	1.020 (0.269)	2.73 (0.537)	260	950 (6520)	2580 (3500)	125 (95)	1420 (9770)	3870 (5250)	188 (143)	X	X		X
	DD475456.5 MX	4.75 (3.75)	229.3 (5823)	4:5	6.5	0.933 (0.247)	2.82 (0.555)	280	980 (6720)	2750 (3730)	147 (112)				X			
	DD475564.0	4.75 (3.75)	143.0 (3632)	5:6	4.0	0.960 (0.254)	2.63 (0.516)	240	600 (4140)	1580 (2140)	72 (55)				X			
	DD475566.0	4.75 (3.88)	198.0 (5029)	5:6	6.0	0.839 (0.222)	3.04 (0.598)	300	900 (6210)	2740 (3710)	153 (117)				X			
	DD475566.7	4.75 (3.87)	198.0 (5029)	5:6	6.7	0.946 (0.250)	2.69 (0.529)	340	1010 (6930)	2700 (3670)	170 (130)	1510 (10390)	4060 (5560)	256 (195)	X			
	DD475568.3	4.75 (3.75)	242.6 (6162)	5:6	8.3	1.000 (0.264)	2.58 (0.507)	300	1250 (8580)	3210 (4350)	183 (140)	1870 (12880)	4810 (6520)	275 (209)	X			
	DD475782.0	4.75 (3.75)	180.5 (4585)	7:8	2.0	0.438 (0.116)	7.31 (1.437)	110	300 (2070)	2190 (2970)	46 (35)	450 (3100)	3290 (4460)	69 (52)				

Power section performance may vary depending on the down hole temperature and fit. Performance data are subject to change without notice.

Copyright 2014 Dyna-Drill Technologies, Inc. All rights reserved.



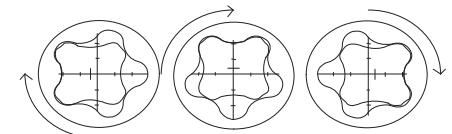
[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 23400 Colonial Parkway, Katy, TX 77493 Tel.: (281) 227-1250 Fax: (281) 227-1255

Canada: 2802-5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711 Fax (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

## Power Sections



Maximum Recommended Operating Conditions										Replacement For								
Power Sections		Configuration			Performance			Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)							
Size	Model Number	Tube OD/ID inch	Stator Length in (mm)	Lobes	Stages	Speed rev/gal (rev/lit)	Torque Slope ft-lb/psi (Nm/kPa)	Max RPM	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	Dyna-Drill R&M	Monopolar Roper	Monopolar Driex	Monopolar Weatherford
4.75"	DD475782.1	4.75 (3.75)	187.0 (4750)	7:8	2.1	0.294 (0.078)	8.00 (1.573)	74	320 (2170)	2520 (3420)	35 (27)				X			
	DD475782.2	4.75 (3.75)	115.8 (2940)	7:8	2.2	0.522 (0.138)	4.74 (0.932)	140	330 (2280)	1560 (2120)	39 (30)	500 (3410)	2350 (3180)	58 (44)	X	X	X	
	DD475782.2 SLOW	4.75 (3.75)	198.0 (5029)	7:8	2.2	0.322 (0.085)	7.90 (1.554)	81	330 (2280)	2610 (3540)	40 (30)							
	DD475782.6 ESX	4.75 (3.75)	229.3 (5823)	7:8	2.6	0.263 (0.070)	8.97 (1.765)	79	390 (2690)	3500 (4750)	53 (40)	590 (4030)	5250 (7120)	79 (60)	X			
	DD475782.9	4.75 (3.75)	250.0 (6350)	7:8	2.9	0.308 (0.081)	7.98 (1.569)	77	440 (3000)	3470 (4710)	51 (39)	650 (4500)	5210 (7060)	76 (58)		X		
	DD475783.1	4.75 (3.75)	238.0 (6045)	7:8	3.1	0.316 (0.083)	7.83 (1.540)	95	470 (3210)	3640 (4940)	66 (50)	700 (4810)	5460 (7410)	99 (75)	X			
	DD475783.7	4.75 (3.87)	235.0 (5969)	7:8	3.7	0.368 (0.097)	6.90 (1.357)	130				830 (5740)	5750 (7790)	141 (107)				
	DD475783.8	4.75 (3.75)	187.0 (4750)	7:8	3.8	0.521 (0.138)	5.20 (1.023)	140	570 (3930)	2960 (4020)	74 (56)	860 (5900)	4450 (6030)	110 (84)	X	X	X	X
	DD475784.5 SX	4.75 (3.75)	229.3 (5823)	7:8	4.5	0.463 (0.122)	5.19 (1.020)	140	680 (4650)	3500 (4750)	93 (71)	1010 (6980)	5250 (7120)	139 (106)	X			
	DD475785.0	4.75 (3.75)	198.0 (5029)	7:8	5.0	0.642 (0.170)	3.96 (0.779)	180	750 (5170)	2970 (4030)	100 (76)	1130 (7760)	4460 (6040)	150 (114)				
5.00"	DD500568.3	5.00 (3.75)	242.6 (6162)	5:6	8.3	1.000 (0.264)	2.58 (0.507)	280	1250 (8580)	3210 (4350)	168 (128)	1870 (12880)	4810 (6520)	252 (192)	X			
	DD500678.0	5.00 (4.00)	246.0 (6248)	6:7	8.0	0.810 (0.214)	3.18 (0.625)	290	1200 (8270)	3810 (5170)	206 (157)	1800 (12410)	5720 (7750)	309 (235)				
	DD500782.2	5.00 (3.75)	116.0 (2946)	7:8	2.2	0.522 (0.138)	4.74 (0.932)	140	330 (2280)	1560 (2120)	39 (30)	500 (3410)	2350 (3180)	58 (44)	X	X	X	X
	DD500782.6 ESX	5.00 (3.75)	229.3 (5823)	7:8	2.6	0.263 (0.070)	8.97 (1.765)	79	390 (2690)	3500 (4750)	53 (40)	590 (4030)	5250 (7120)	79 (60)	X			
	DD500783.0 ESX2	5.00 (4.00)	250.0 (6350)	7:8	3.0	0.258 (0.068)	9.40 (1.848)	84	450 (3100)	4230 (5740)	68 (51)	680 (4650)	6350 (8600)	101 (77)	X			
	DD500783.1	5.00 (3.75)	238.0 (6045)	7:8	3.1	0.316 (0.083)	7.83 (1.540)	95	470 (3210)	3640 (4940)	66 (50)	700 (4810)	5460 (7410)	99 (75)	X			
	DD500783.7	5.00 (3.87)	235.0 (5969)	7:8	3.7	0.368 (0.097)	6.90 (1.357)	130				830 (5740)	5750 (7790)	141 (107)				
	DD500783.8	5.00 (3.75)	187.0 (4750)	7:8	3.8	0.521 (0.138)	5.20 (1.023)	140	570 (3930)	2960 (4020)	74 (56)	860 (5900)	4450 (6030)	110 (84)	X	X	X	X
	DD500784.5 SX	5.00 (3.75)	229.3 (5823)	7:8	4.5	0.463 (0.122)	5.19 (1.020)	140	680 (4650)	3500 (4750)	93 (71)	1010 (6980)	5250 (7120)	139 (106)	X			
	DD500788.2	5.00 (4.00)	250.0 (6350)	7:8	8.2	0.700 (0.185)	3.63 (0.714)	250				1850 (12720)	6700 (9080)	313 (238)				
6.25"	DD625457.5	6.25 (5.00)	203.5 (5169)	4:5	7.5	0.659 (0.174)	4.24 (0.834)	270	1130 (7760)	4770 (6470)	239 (182)	1690 (11630)	7150 (9700)	359 (274)	X	X		
	DD625675.0	6.25 (5.00)	188.0 (4775)	6:7	5.0	0.456 (0.120)	7.02 (1.381)	230	750 (5170)	5270 (7140)	229 (174)	1130 (7760)	7900 (10710)	343 (261)				
	DD625782.5	6.25 (5.00)	203.2 (5161)	7:8	2.5	0.171 (0.045)	16.61 (3.265)	86	380 (2590)	6230 (8440)	101 (77)	560 (3880)	9340 (12660)	152 (116)	X			
	DD625782.8	6.25 (5.00)	124.0 (3150)	7:8	2.8	0.332 (0.088)	7.95 (1.562)	140	420 (2900)	3340 (4520)	84 (64)	630 (4340)	5010 (6790)	127 (96)	X	X		X
	DD625782.9 ESX	6.25 (5.00)	228.8 (5810)	7:8	2.9	0.170 (0.045)	14.71 (2.893)	85	440 (3000)	6400 (8680)	104 (79)	650 (4500)	9600 (13020)	155 (118)	X	X		
	DD625783.0 Slow	6.25 (5.00)	204.0 (5182)	7:8	3.0	0.196 (0.052)	12.64 (2.485)	120	450 (3100)	5690 (7710)	127 (97)	680 (4650)	8530 (11570)	191 (145)				X
	DD625783.3 ESX2	6.25 (5.00)	260.0 (6604)	7:8	3.3	0.160 (0.042)	15.56 (3.059)	80	500 (3410)	7700 (10440)	117 (89)	740 (5120)	11550 (15660)	176 (134)	X			
	DD625783.5	6.25 (5.00)	231.3 (5874)	7:8	3.5	0.208 (0.055)	12.50 (2.458)	83	530 (3620)	6560 (8900)	104 (79)	790 (5430)	9840 (13350)	156 (119)	X			
	DD625783.8 ESX3	6.25 (5.00)	299.8 (7614)	7:8	3.8	0.158 (0.042)	15.76 (3.100)	79	570 (3930)	8980 (12180)	135 (103)				X			
	DD625784.0	6.25 (5.00)	160.0 (4064)	7:8	4.0	0.352 (0.093)	6.89 (1.355)	180	600 (4140)	4130 (5610)	139 (106)	900 (6210)	6200 (8410)	208 (158)				
6.25"	DD625784.8	6.25 (5.00)	203.2 (5161)	7:8	4.8	0.330 (0.087)	7.98 (1.569)	140	720 (4960)	5740 (7790)	144 (110)	1080 (7450)	8620 (11680)	217 (165)	X	X	X	X
	DD625786.7 SX3	6.25 (5.00)	299.8 (7614)	7:8	6.7	0.278 (0.073)	9.00 (1.769)	140	1010 (6930)	9040 (12260)	239 (182)				X			

Power section performance may vary depending on the down hole temperature and fit. Performance data are subject to change without notice.

Copyright 2014 Dyna-Drill Technologies, Inc. All rights reserved.



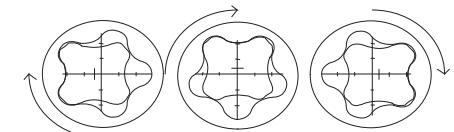
[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 23400 Colonial Parkway, Katy, TX 77493 Tel.: (281) 227-1250 Fax: (281) 227-1255

Canada: 2802-5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711 Fax (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

## Power Sections



Power Sections		Configuration			Performance			Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)			Replacement For						
Size	Model Number	Tube OD/ID	Stator Length	Lobes	Stages	Speed	Torque Slope	Max	Pressure Diff	Torque	Power	Pressure Diff	Torque	Power	Dyna-Drill	R&M	Monopolar	Roper	Driex	Weatherford
		inch	in (mm)			rev/gal (rev/lit)	ft-lb/psi (Nm/kPa)	RPM	psi (kPa)	ft-lb (Nm)	hp (kW)	psi (kPa)	ft-lb (Nm)	hp (kW)						
6.50"	DD650124.0	6.50 (5.00)	185.8 (4718)	1:2	4.0	1.186 (0.313)	2.29 (0.450)	480	600 (4140)	1370 (1860)	124 (94)									
	DD650237.8	6.50 (5.50)	203.5 (5169)	2:3	7.8	1.000 (0.264)	2.81 (0.553)	600	1170 (8070)	3290 (4460)	376 (286)	1760 (12100)	4940 (6690)	564 (430)	X					
	DD650457.0	6.50 (5.40)	214.6 (5452)	4:5	7.0	0.497 (0.131)	5.77 (1.135)	300	1050 (7240)	6060 (8210)	344 (262)	1580 (10860)	9090 (12320)	516 (393)	X	X	X	X		
	DD650457.5	6.50 (5.00)	203.5 (5169)	4:5	7.5	0.659 (0.174)	4.24 (0.834)	270	1130 (7760)	4770 (6470)	239 (182)	1690 (11630)	7150 (9700)	359 (274)	X	X				
	DD650563.5	6.50 (5.00)	152.0 (3861)	5:6	3.5	0.422 (0.111)	6.22 (1.224)	190	450 (3100)	2800 (3800)	101 (77)								X	
	DD650675.0	6.50 (5.50)	200.0 (5080)	6:7	5.0	0.292 (0.077)	8.31 (1.635)	180	750 (5170)	6230 (8450)	208 (158)	1130 (7760)	9350 (12680)	312 (238)	X	X	X	X		
	DD650782.1 ESX	6.50 (5.31)	230.0 (5842)	7:8	2.1	0.133 (0.035)	19.50 (3.835)	67	320 (2170)	6140 (8330)	78 (59)	470 (3260)	9210 (12490)	117 (89)	X			X		
	DD650782.8	6.50 (5.00)	130.0 (3302)	7:8	2.8	0.332 (0.088)	7.95 (1.562)	140	420 (2900)	3340 (4520)	84 (64)	630 (4340)	5010 (6790)	127 (96)	X	X		X		
	DD650782.9 ESX	6.50 (5.00)	228.8 (5810)	7:8	2.9	0.170 (0.045)	14.71 (2.893)	85	440 (3000)	6400 (8680)	104 (79)	650 (4500)	9600 (13020)	155 (118)	X	X				
	DD650783.0	6.50 (5.50)	125.0 (3175)	7:8	3.0	0.283 (0.075)	9.30 (1.829)	170	450 (3100)	4190 (5670)	135 (103)	680 (4650)	6280 (8510)	203 (155)	X	X	X	X		
	DD650783.0 Slow	6.50 (5.40)	204.0 (5182)	7:8	3.0	0.155 (0.041)	16.00 (3.146)	93	450 (3100)	7200 (9760)	127 (97)	680 (4650)	10800 (14640)	191 (145)				X		
	DD650783.3	6.50 (5.50)	245.0 (6223)	7:8	3.3	0.140 (0.037)	19.00 (3.736)	84	500 (3410)	9410 (12750)	150 (115)	740 (5120)	14110 (19130)	226 (172)	X					
	DD650783.3 ESX2	6.50 (5.00)	260.0 (6604)	7:8	3.3	0.160 (0.042)	15.56 (3.059)	80	500 (3410)	7700 (10440)	117 (89)	740 (5120)	11550 (15660)	176 (134)	X					
	DD650783.5	6.50 (5.00)	231.3 (5874)	7:8	3.5	0.208 (0.055)	12.50 (2.458)	83	530 (3620)	6560 (8900)	104 (79)	790 (5430)	9840 (13350)	156 (119)	X					
	DD650783.8 ESX3	6.50 (5.00)	299.8 (7614)	7:8	3.8	0.158 (0.042)	15.76 (3.100)	79	570 (3930)	8880 (12180)	135 (103)								X	
	DD650784.8	6.50 (5.00)	203.5 (5169)	7:8	4.8	0.330 (0.087)	7.98 (1.569)	140	720 (4960)	5740 (7790)	144 (110)	1080 (7450)	8620 (11680)	217 (165)	X	X	X	X		
	DD650785.0	6.50 (5.50)	194.5 (4940)	7:8	5.0	0.288 (0.076)	9.30 (1.829)	180	750 (5170)	6980 (9460)	229 (175)	1130 (7760)	10460 (14190)	344 (262)	X	X	X	X		
	DD650785.3	6.50 (5.40)	242.0 (6147)	7:8	5.3	0.278 (0.073)	9.15 (1.799)	170					1190 (8220)	10910 (14790)	347 (264)					
	DD650786.0	6.50 (5.40)	232.0 (5893)	7:8	6.0	0.288 (0.076)	9.30 (1.829)	180	900 (6210)	8370 (11350)	275 (210)	1350 (9310)	12560 (17020)	413 (315)					X	
	DD650786.7 SX3	6.50 (5.00)	299.8 (7614)	7:8	6.7	0.278 (0.073)	9.00 (1.769)	140	1010 (6930)	9040 (12260)	239 (182)								X	
	DD650894.0	6.50 (5.25)	170.0 (4318)	8:9	4.0	0.288 (0.076)	8.83 (1.737)	150	600 (4140)	5300 (7190)	145 (111)	900 (6210)	7950 (10780)	218 (166)			X			
	DD6509103.8	6.50 (5.40)	300.0 (7620)	9:10	3.8	0.150 (0.040)	16.20 (3.186)	90	670 (4590)	10770 (14610)	185 (141)								X	
6.75"	DD675237.8	6.75 (5.50)	203.5 (5169)	2:3	7.8	1.000 (0.264)	2.81 (0.553)	600	1170 (8070)	3290 (4460)	376 (286)	1760 (12100)	4940 (6690)	564 (430)	X					
	DD675453.1	6.75 (5.50)	104.5 (2654)	4:5	3.1	0.497 (0.131)	5.77 (1.135)	300	470 (3210)	2680 (3640)	152 (116)								X	
	DD675456.0 MX	6.75 (5.31)	230.0 (5842)	4:5	6.0	0.491 (0.130)	6.31 (1.241)	250	900 (6210)	5680 (7700)	266 (202)	1350 (9310)	8520 (11550)	398 (303)	X					
	DD675456.5 MX2	6.75 (5.50)	260.0 (6604)	4:5	6.5	0.350 (0.092)	7.51 (1.477)	210	980 (6720)	7320 (9930)	293 (223)								X	
	DD675457.0	6.75 (5.50)	210.0 (5334)	4:5	7.0	0.497 (0.131)	5.77 (1.135)	300	1050 (7240)	6060 (8210)	344 (262)	1580 (10860)	9090 (12320)	516 (393)	X	X	X	X		
	DD675564.0	6.75 (5.50)	169.5 (4305)	5:6	4.0	0.378 (0.100)	7.00 (1.377)	190	600 (4140)	4200 (5690)	151 (115)								X	
	DD675675.0	6.75 (5.50)	200.0 (5080)	6:7	5.0	0.292 (0.077)	8.31 (1.635)	180	750 (5170)	6230 (8450)	208 (158)	1130 (7760)	9350 (12680)	312 (238)	X	X	X	X		
	DD675782.0	6.75 (5.50)	153.5 (3899)	7:8	2.0	0.154 (0.041)	16.00 (3.146)	77	300 (2070)	4800 (6510)	70 (54)	450 (3100)	7200 (9760)	106 (80)			X			
	DD675782.1 ESX	6.75 (5.31)	230.0 (5842)	7:8	2.1	0.133 (0.035)	19.50 (3.835)	67	320 (2170)	6140 (8330)	78 (59)	470 (3260)	9210 (12490)	117 (89)	X			X		
	DD675782.9	6.75 (5.50)	220.0 (5588)	7:8	2.9	0.160 (0.042)	15.38 (3.024)	80	440 (3000)	6690 (9070)	102 (78)	650 (4500)	10030 (13600)	153 (116)		X				
	DD675782.9 ESX	6.75 (5.31)	228.8 (5810)	7:8	2.9	0.170 (0.045)	14.71 (2.893)	85	440 (3000)	6400 (8680)	104 (79)	650 (4500)	9600 (13020)	155 (118)	X	X				
	DD675783.0	6.75 (5.50)	125.0 (3175)	7:8	3.0	0.283 (0.075)	9.30 (1.829)	170	450 (3100)	4190 (5670)	135 (103)	680 (4650)	6280 (8510)	203 (155)	X	X	X	X		

Power section performance may vary depending on the down hole temperature and fit. Performance data are subject to change without notice.

Copyright 2014 Dyna-Drill Technologies, Inc. All rights reserved.



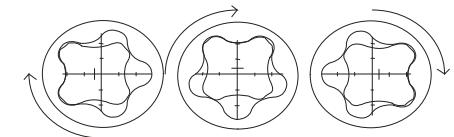
[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 23400 Colonial Parkway, Katy, TX 77493 Tel.: (281) 227-1250 Fax: (281) 227-1255

Canada: 2802-5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711 Fax (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

## Power Sections



Power Sections		Configuration			Performance			Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)			Replacement For				
Size	Model Number	Tube OD/ID inch	Stator Length in (mm)	Lobes	Stages	Speed rev/gal (rev/lit)	Torque Slope ft-lb/psi (Nm/kPa)	Max RPM	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	Dyna-Drill R&M	Monopolar Roper	Diex	Weatherford
6.75"	DD675783.0 Slow	6.75 (5.40)	204.0 (5182)	7:8	3.0	0.155 (0.041)	16.00 (3.146)	93	450 (3100)	7200 (9760)	127 (97)	680 (4650)	10800 (14640)	191 (145)				X
	DD675783.3	6.75 (5.50)	245.0 (6223)	7:8	3.3	0.140 (0.037)	19.00 (3.736)	84	500 (3410)	9410 (12750)	150 (115)	740 (5120)	14110 (19130)	226 (172)	X			
	DD675783.5 ESX2	6.75 (5.50)	260.0 (6604)	7:8	3.5	0.150 (0.040)	17.14 (3.371)	90	530 (3620)	9000 (12200)	154 (118)	790 (5430)	13500 (18300)	231 (176)	X			
	DD675784.1 ESX3	6.75 (5.50)	299.8 (7614)	7:8	4.1	0.150 (0.040)	17.07 (3.357)	90	620 (4240)	10500 (14240)	180 (137)				X			
	DD675785.0	6.75 (5.50)	194.5 (4940)	7:8	5.0	0.288 (0.076)	9.30 (1.829)	180	750 (5170)	6980 (9460)	229 (175)	1130 (7760)	10460 (14190)	344 (262)	X	X	X	X
	DD675785.7 SX2	6.75 (5.50)	260.0 (6604)	7:8	5.7	0.242 (0.064)	10.70 (2.104)	150	860 (5900)	9150 (12400)	253 (192)	1280 (8840)	13720 (18600)	379 (289)	X			
	DD675786.0	6.75 (5.50)	232.0 (5893)	7:8	6.0	0.288 (0.076)	9.30 (1.829)	180	900 (6210)	8370 (11350)	275 (210)	1350 (9310)	12560 (17020)	413 (315)				X
	DD675786.4	6.75 (5.50)	245.2 (6228)	7:8	6.4	0.288 (0.076)	9.30 (1.829)	180				1440 (9930)	13390 (18160)	441 (336)				
	DD675786.7 SX3	6.75 (5.50)	299.8 (7614)	7:8	6.7	0.242 (0.064)	10.70 (2.104)	150	1010 (6930)	10750 (14580)	297 (226)				X			
	DD6759102.0	6.75 (5.59)	90.8 (2305)	9:10	2.0	0.278 (0.073)	8.48 (1.668)	170	300 (2070)	2540 (3450)	81 (62)	450 (3100)	3820 (5170)	121 (92)				X
7.00"	DD6759104.0	6.75 (5.59)	157.8 (4007)	9:10	4.0	0.270 (0.071)	8.45 (1.662)	170	600 (4140)	5070 (6870)	156 (119)	900 (6210)	7610 (10310)	235 (179)				X
	DD700568.2	7.00 (5.50)	246.0 (6248)	5:6	8.2	0.426 (0.113)	6.11 (1.201)	260	1230 (8480)	7510 (10190)	366 (279)	1850 (12720)	11270 (15280)	549 (418)				
7.75"	DD700786.8	7.00 (5.75)	246.0 (6248)	7:8	6.8	0.304 (0.080)	9.56 (1.881)	190	1020 (7030)	9760 (13230)	339 (258)	1530 (10550)	14630 (19840)	508 (387)				
	DD775455.3	7.75 (6.25)	228.0 (5791)	4:5	5.3	0.253 (0.067)	11.16 (2.195)	230	800 (5480)	8880 (12030)	385 (293)	1190 (8220)	13310 (18050)	577 (440)	X	X		X
	DD775456.0 MX2	7.75 (6.25)	260.0 (6604)	4:5	6.0	0.246 (0.065)	11.33 (2.229)	230	900 (6210)	10200 (13830)	429 (327)	1350 (9310)	15300 (20740)	644 (491)	X			
	DD775783.0	7.75 (6.25)	160.0 (4064)	7:8	3.0	0.166 (0.044)	16.59 (3.262)	150	450 (3100)	7470 (10120)	212 (162)	680 (4650)	11200 (15180)	319 (243)	X	X	X	X
	DD775784.0	7.75 (6.25)	203.2 (5161)	7:8	4.0	0.166 (0.044)	16.59 (3.262)	150	600 (4140)	9950 (13490)	283 (216)	900 (6210)	14930 (20240)	425 (324)	X	X	X	X
8.00"	DD7759103.0 ESX	7.75 (6.50)	234.0 (5944)	9:10	3.0	0.112 (0.030)	24.56 (4.829)	110	450 (3100)	11050 (14980)	212 (162)				X			
	DD800452.7	8.00 (6.50)	129.5 (3289)	4:5	2.7	0.239 (0.063)	11.00 (2.163)	220	410 (2790)	4450 (6040)	182 (139)							
	DD800455.3	8.00 (6.25)	228.0 (5791)	4:5	5.3	0.253 (0.067)	11.16 (2.195)	230	800 (5480)	8880 (12030)	385 (293)	1190 (8220)	13310 (18050)	577 (440)	X	X		X
	DD800456.0 MX2	8.00 (6.25)	260.0 (6604)	4:5	6.0	0.246 (0.065)	11.33 (2.229)	230	900 (6210)	10200 (13830)	429 (327)				X			
	DD800566.0 MX	8.00 (6.50)	234.0 (5944)	5:6	6.0	0.248 (0.066)	11.33 (2.229)	230	900 (6210)	10200 (13830)	433 (330)				X			
	DD800782.5	8.00 (6.25)	254.0 (6452)	7:8	2.5	0.080 (0.021)	30.98 (6.091)	72	380 (2590)	11620 (15750)	159 (121)							
	DD800783.0	8.00 (6.25)	160.0 (4064)	7:8	3.0	0.166 (0.044)	16.59 (3.262)	150	450 (3100)	7470 (10120)	212 (162)	680 (4650)	11200 (15180)	319 (243)	X	X	X	X
	DD800783.4 ESX3	8.00 (6.50)	300.0 (7620)	7:8	3.4	0.089 (0.023)	28.04 (5.514)	81	510 (3520)	14300 (19390)	218 (166)	770 (5270)	21450 (29080)	327 (249)	X			
	DD800784.0	8.00 (6.25)	203.2 (5161)	7:8	4.0	0.166 (0.044)	16.59 (3.262)	150	600 (4140)	9950 (13490)	283 (216)	900 (6210)	14930 (20240)	425 (324)	X	X	X	X
9.62"	DD8009103.0 ESX	8.00 (6.50)	234.0 (5944)	9:10	3.0	0.112 (0.030)	24.56 (4.829)	110	450 (3100)	11050 (14980)	212 (162)	680 (4650)	16580 (22470)	318 (242)	X			
	DD962346.0	9.62 (7.87)	228.0 (5791)	3:4	6.0	0.221 (0.058)	12.75 (2.507)	270	900 (6210)	11480 (15560)	579 (442)	1350 (9310)	17210 (23340)	869 (662)	X	X		X
	DD962562.5	9.62 (7.87)	164.0 (4166)	5:6	2.5	0.117 (0.031)	20.80 (4.090)	150	380 (2590)	7800 (10580)	209 (159)				X			
	DD962563.0	9.62 (7.87)	178.0 (4521)	5:6	3.0	0.113 (0.030)	24.32 (4.782)	140	450 (3100)	10940 (14840)	283 (215)				X	X	X	
	DD962564.0	9.62 (7.87)	228.0 (5791)	5:6	4.0	0.122 (0.032)	21.37 (4.203)	150	600 (4140)	12820 (17390)	357 (272)	900 (6210)	19240 (26080)	536 (409)				
	DD962565.0 MX	9.62 (7.87)	232.0 (5893)	5:6	5.0	0.138 (0.036)	21.49 (4.225)	170	750 (5170)	16120 (21850)	506 (386)	1130 (7760)	24170 (32770)	759 (579)	X			X
	DD962675.0	9.62 (7.87)	218.0 (5537)	6:7	5.0	0.127 (0.034)	20.31 (3.993)	160	750 (5170)	15230 (20650)	442 (337)	1130 (7760)	22840 (30970)	663 (505)				
	DD962783.9 ESX3	9.62 (7.87)	300.0 (7620)	7:8	3.9	0.068 (0.018)	38.46 (7.563)	82	590 (4030)	22500 (30510)	350 (266)	880 (6050)	33750 (45760)	524 (400)	X			
9.62"	DD962784.8	9.62 (7.87)	246.5 (6261)	7:8	4.8	0.114 (0.030)	22.26 (4.377)	140	720 (4960)	16030 (21730)	417 (318)	1080 (7450)	24040 (32590)	626 (477)				
	DD962786.5 SX3	9.62 (7.87)	300.0 (7620)	7:8	6.5	0.113 (0.030)	23.08 (4.538)	140	980 (6720)	22500 (30510)	581 (443)				X			

Power section performance may vary depending on the down hole temperature and fit. Performance data are subject to change without notice.

Copyright 2014 Dyna-Drill Technologies, Inc. All rights reserved.



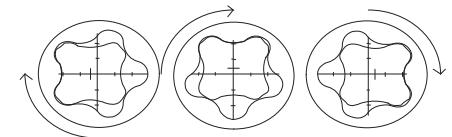
[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 23400 Colonial Parkway, Katy, TX 77493 Tel.: (281) 227-1250 Fax: (281) 227-1255

Canada: 2802-5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711 Fax (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

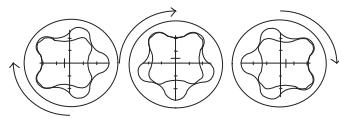
## Power Sections



Power Sections		Configuration			Performance			Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)			Replacement For	
Size	Model Number	Tube OD/ID inch	Stator Length in (mm)	Lobes	Stages	Speed rev/gal (rev/lit)	Torque Slope ft-lb/psi (Nm/kPa)	Max RPM	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	Pressure Diff psi (kPa)	Torque ft-lb (Nm)	Power hp (kW)	
11.25"	DD1125564.6	11.25 (9.25)	230.0 (5842)	5:6	4.6	0.089 (0.024)	31.59 (6.213)	170	690 (4760)	21800 (29560)	665 (507)	1040 (7140)	32700 (44330)	997 (760)	X
11.50"	DD1150564.6	11.50 (9.25)	230.0 (5842)	5:6	4.6	0.089 (0.024)	31.59 (6.213)	170	690 (4760)	21800 (29560)	665 (507)	1040 (7140)	32700 (44330)	997 (760)	X
	DD1150565.0	11.50 (7.87)	232.0 (5893)	5:6	5.0	0.135 (0.036)	19.24 (3.783)	180	750 (5170)	14430 (19560)	482 (367)	1130 (7760)	21640 (29340)	723 (551)	
	DD1150783.9	11.50 (7.87)	300.0 (7620)	7:8	3.9	0.071 (0.019)	35.94 (7.067)	130	590 (4030)	21020 (28510)	509 (388)	880 (6050)	31540 (42760)	764 (582)	X

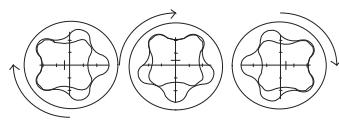
Power section performance may vary depending on the down hole temperature and fit. Performance data are subject to change without notice.

Copyright 2014 Dyna-Drill Technologies, Inc. All rights reserved.



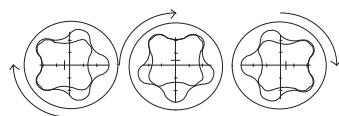
## Power Sections

		Replacement For		Fit Information at 75° F (24° C)									
Power Sections		Dyna-Drill	R&M	Mono/PV	Roper	Drillex	Weatherford	Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)		
Size	Model Number							Standard in (mm)	Oversize in (mm)	Double Oversize in (mm)	Undersize in (mm)	Standard in (mm)	Oversize in (mm)
1.68"	DD168562.3	X							-0.005 (-0.13)			0.005 (0.13)	
	DD168564.0	X		X					-0.021 (-0.53)			-0.010 (-0.25)	
	DD168564.4	X		X								-0.007 (-0.18)	
	DD213564.0	X		X					-0.003 (-0.08)			0.009 (0.23)	
2.13"	DD238564.0			X					-0.011 (-0.28)			0.000 (0.00)	
	DD287124.9											0.022 (0.56)	
	DD287562.6	X						-0.003 (-0.08)			0.003 (0.08)		
	DD287564.7											0.011 (0.28)	
2.38"	DD287567.0	X						0.016 (0.41)	-0.002 (-0.05)	-0.015 (-0.38)		0.015 (0.38)	0.002 (0.05)
	DD287783.5	X							-0.010 (-0.25)			-0.001 (-0.03)	
	DD313783.0		X						-0.020 (-0.51)				-0.020 (-0.51)
	DD338783.0	X						0.008 (0.20)			0.016 (0.41)		
3.50"	DD350563.0	X		X				0.000 (0.00)				-0.007 (-0.18)	
	DD350784.3	X						0.020 (0.51)	0.002 (0.05)			0.018 (0.46)	
	DD375238.0	X						-0.003 (-0.08)					
	DD375349.0			X					-0.018 (-0.46)			0.000 (0.00)	
3.75"	DD375452.0											0.021 (0.53)	
	DD375453.5	X	X	X				0.021 (0.53)	-0.012 (-0.30)			0.021 (0.53)	
	DD375563.8	X						0.020 (0.51)					
	DD375564.2	X						0.004 (0.10)					
4.75"	DD375782.3	X	X	X				0.019 (0.48)	0.000 (0.00)		0.036 (0.91)	0.012 (0.30)	
	DD375786.7	X							0.007 (0.18)	-0.032 (-0.81)		0.020 (0.51)	-0.015 (-0.38)
	DD3757810.1	X						0.010 (0.25)					
	DD475127.0		X					0.033 (0.84)	-0.007 (-0.18)			0.028 (0.71)	
5.00"	DD475238.5	X						-0.001 (-0.03)					-0.037 (-0.94)
	DD475453.5	X	X	X				0.005 (0.13)			0.020 (0.51)		
	DD475456.0	X	X	X	X			0.015 (0.38)	-0.004 (-0.10)	-0.031 (-0.79)		0.012 (0.30)	-0.008 (-0.20)
	DD475456.3	X	X		X			0.009 (0.23)	-0.009 (-0.23)	-0.037 (-0.94)		0.012 (0.30)	-0.008 (-0.20)
5.00"	DD475456.5 MX	X						-0.010 (-0.25)					
	DD475564.0	X						-0.022 (-0.56)					
	DD475566.0	X						0.002 (0.05)					
	DD475566.7	X						0.002 (0.05)					-0.012 (-0.30)
5.00"	DD475568.3	X						0.013 (0.33)	-0.015 (-0.38)			0.013 (0.33)	-0.011 (-0.28)
	DD475782.0								0.001 (0.03)			0.021 (0.53)	
	DD475782.1	X						0.012 (0.30)					
	DD475782.2	X	X	X				0.019 (0.48)	-0.002 (-0.05)		0.030 (0.76)	0.016 (0.41)	
5.00"	DD475782.2 SLOW								0.000 (0.00)				
	DD475782.6 ESX	X						0.011 (0.28)	-0.013 (-0.33)		0.027 (0.69)	0.003 (0.08)	-0.009 (-0.23)
	DD475782.9	X	X						-0.006 (-0.15)			0.009 (0.23)	
	DD475783.1	X										0.010 (0.25)	
5.00"	DD475783.7												-0.007 (-0.18)
	DD475783.8	X	X	X	X			0.013 (0.33)	-0.003 (-0.08)	-0.019 (-0.48)		0.014 (0.36)	0.000 (0.00)
	DD475784.5 SX	X						0.005 (0.13)	-0.013 (-0.33)			0.003 (0.08)	-0.014 (-0.36)
	DD475785.0								-0.006 (-0.15)	-0.022 (-0.56)		0.001 (0.03)	-0.014 (-0.36)
5.00"	DD500568.3	X											-0.023 (-0.58)
	DD500678.0								-0.004 (-0.10)			0.017 (0.43)	0.001 (0.03)
	DD500782.2	X	X	X	X			0.019 (0.48)	-0.002 (-0.05)			0.016 (0.41)	
	DD500782.6 ESX	X						0.011 (0.28)	-0.013 (-0.33)		0.027 (0.69)	0.003 (0.08)	
5.00"	DD500783.0 ESX2	X						0.013 (0.33)	-0.009 (-0.23)			0.013 (0.33)	
	DD500783.1	X							-0.002 (-0.05)			0.010 (0.25)	
	DD500783.7												-0.007 (-0.18)
	DD500783.8	X	X	X	X			0.019 (0.48)	-0.003 (-0.08)	-0.019 (-0.48)		0.014 (0.36)	0.000 (0.00)
5.00"	DD500784.5 SX	X						0.005 (0.13)	-0.013 (-0.33)			0.003 (0.08)	
	DD500788.2												-0.014 (-0.36)



## Power Sections

		Replacement For		Fit Information at 75° F (24° C)							
Power Sections		Dyna-Drill	R&M	Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)				
Size	Model Number	Mono/PV	Roper	Drillex	Weatherford	Standard in (mm)	Oversize in (mm)	Double Oversize in (mm)	Undersize in (mm)	Standard in (mm)	Oversize in (mm)
6.25"	DD625457.5	X	X			0.017 (0.43)	-0.019 (-0.48)			0.011 (0.28)	
	DD625675.0					0.016 (0.41)	0.000 (0.00)	-0.015 (-0.38)	0.034 (0.86)	0.018 (0.46)	0.003 (0.08)
	DD625782.5	X				0.015 (0.38)	-0.005 (-0.13)			0.007 (0.18)	
	DD625782.8	X	X		X	0.022 (0.56)	0.001 (0.03)			0.022 (0.56)	
	DD625782.9 ESX	X	X			0.001 (0.03)	-0.017 (-0.43)		0.027 (0.69)	0.000 (0.00)	
	DD625783.0 Slow				X	0.004 (0.10)					
	DD625783.3 ESX2	X				0.010 (0.25)	-0.017 (-0.43)			0.004 (0.10)	
	DD625783.5		X				-0.005 (-0.13)			0.013 (0.33)	
	DD625783.8 ESX3	X				0.005 (0.13)					
	DD625784.0						-0.017 (-0.43)			0.008 (0.20)	
6.50"	DD625784.8		X	X	X	X	0.027 (0.69)	-0.001 (-0.03)		0.008 (0.20)	
	DD625786.7 SX3	X				-0.005 (-0.13)					
	DD650124.0					0.075 (1.91)					
	DD650237.8	X				0.003 (0.08)			0.011 (0.28)		
	DD650457.0	X	X	X	X	0.029 (0.74)	0.004 (0.10)			0.013 (0.33)	
	DD650457.5	X	X			0.017 (0.43)	-0.019 (-0.48)			0.011 (0.28)	
	DD650563.5	X				0.040 (1.02)					
	DD650675.0	X	X	X	X	0.001 (0.03)	-0.020 (-0.51)			-0.005 (-0.13)	
	DD650782.1 ESX	X			X	-0.014 (-0.36)			0.028 (0.71)		
	DD650782.8		X	X	X		0.001 (0.03)			0.022 (0.56)	
	DD650782.9 ESX	X	X			0.001 (0.03)	-0.017 (-0.43)		0.027 (0.69)	0.000 (0.00)	
	DD650783.0	X	X	X	X	0.023 (0.58)	-0.005 (-0.13)	-0.029 (-0.74)		0.021 (0.53)	-0.004 (-0.10)
	DD650783.0 Slow				X	0.015 (0.38)	-0.004 (-0.10)			0.015 (0.38)	
	DD650783.3		X			0.262 (6.65)	-0.013 (-0.33)			0.004 (0.10)	
	DD650783.3 ESX2	X				0.002 (0.05)	-0.017 (-0.43)		0.016 (0.41)	0.004 (0.10)	
6.75"	DD650783.5		X			-0.005 (-0.13)				0.013 (0.33)	
	DD650783.8 ESX3	X				0.005 (0.13)					
	DD650784.8		X	X	X	0.027 (0.69)	-0.001 (-0.03)			0.008 (0.20)	
	DD650785.0		X	X	X	0.027 (0.69)	-0.002 (-0.05)	-0.029 (-0.74)		0.021 (0.53)	-0.004 (-0.10)
	DD650785.3										-0.012 (-0.30)
	DD650786.0				X	0.029 (0.74)	0.005 (0.13)			0.024 (0.61)	
	DD650786.7 SX3	X				-0.005 (-0.13)					
	DD650894.0		X				-0.004 (-0.10)			0.013 (0.33)	
	DD650910.3	X				0.005 (0.13)					
	DD675237.8	X				0.003 (0.08)	-0.009 (-0.23)			0.003 (0.08)	-0.020 (-0.51)
	DD675453.1		X	X		0.021 (0.53)					
	DD675456.0 MX	X				-0.028 (-0.71)	-0.056 (-1.42)			-0.032 (-0.81)	
	DD675456.5 MX2	X				-0.003 (-0.08)					
	DD675457.0		X	X	X	0.021 (0.53)	0.000 (0.00)	-0.030 (-0.76)		0.003 (0.08)	-0.026 (-0.66)
6.75"	DD675564.0	X				-0.006 (-0.15)					
	DD675567.5	X	X	X	X	0.001 (0.03)	-0.020 (-0.51)		0.027 (0.69)	-0.005 (-0.13)	-0.015 (-0.38)
	DD675782.0		X			0.003 (0.08)			0.026 (0.66)		
	DD675782.1 ESX	X			X	0.006 (0.15)	-0.011 (-0.28)		0.028 (0.71)	-0.001 (-0.03)	
	DD675782.9		X			0.013 (0.33)	-0.012 (-0.30)		0.025 (0.63)	0.013 (0.33)	
	DD675782.9 ESX	X	X			-0.002 (-0.03)				-0.007 (-0.15)	
	DD675783.0	X	X	X	X	0.023 (0.58)	-0.005 (-0.13)	-0.029 (-0.74)		0.021 (0.53)	-0.004 (-0.10)
	DD675783.0 Slow				X	0.015 (0.38)	-0.004 (-0.10)			0.015 (0.38)	
	DD675783.3		X			0.004 (0.10)	-0.013 (-0.33)			0.004 (0.10)	
	DD675783.5 ESX2	X				0.012 (0.30)	-0.016 (-0.41)			0.005 (0.13)	
	DD675784.1 ESX3	X				0.007 (0.18)					
	DD675785.0		X	X	X	0.027 (0.69)	0.005 (0.13)	-0.029 (-0.74)		0.013 (0.33)	-0.004 (-0.10)
	DD675785.7 SX2	X				0.005 (0.13)	-0.028 (-0.71)			-0.006 (-0.15)	-0.014 (-0.36)
	DD675786.0				X	0.031 (0.79)	0.007 (0.18)			0.022 (0.56)	-0.015 (-0.38)
	DD675786.4									0.016 (0.41)	
	DD675786.7 SX3	X				0.007 (0.18)					
	DD675910.2				X	0.018 (0.46)			0.025 (0.64)		
	DD675910.4				X	0.008 (0.20)			0.026 (0.66)		



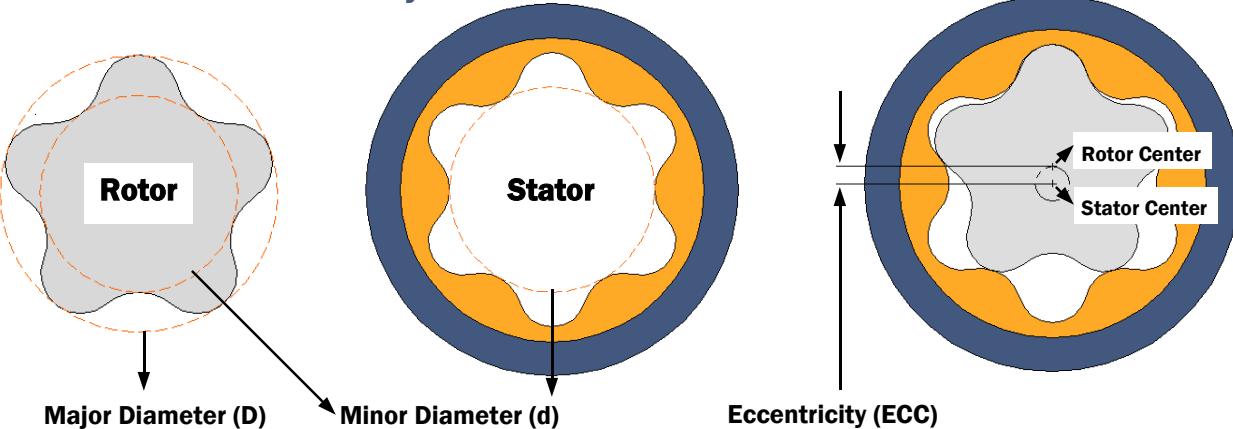
## Power Sections

		Replacement For		Fit Information at 75° F (24° C)							
Power Sections		Dyna-Drill	R&M	Standard Rubber (NBR-1A)			Hard Rubber (NBR-HR)				
Size	Model Number	Mono/PV	Roper	Drillex	Weatherford	Standard in (mm)	Oversize in (mm)	Double Oversize in (mm)	Undersize in (mm)	Standard in (mm)	Oversize in (mm)
<b>7.00"</b>	DD700568.2					0.020 (0.51)	-0.001 (-0.03)	-0.019 (-0.48)		0.013 (0.33)	-0.004 (-0.10)
	DD700786.8				X	0.020 (0.51)	-0.011 (-0.28)	-0.041 (-1.04)		0.013 (0.33)	-0.017 (-0.43)
<b>7.75"</b>	DD775455.3		X	X		0.025 (0.63)	-0.005 (-0.13)			0.013 (0.33)	
	DD775456.0 MX2	X				0.007 (0.18)			0.027 (0.69)		
	DD775783.0		X	X	X	0.019 (0.48)	-0.006 (-0.15)			0.012 (0.30)	
	DD775784.0		X	X	X	0.019 (0.48)	-0.006 (-0.15)	-0.031 (-0.79)		0.012 (0.30)	-0.013 (-0.33)
<b>8.00"</b>	DD7759103.0 ESX	X				0.001 (0.03)					
	DD800452.7					0.015 (0.38)					
	DD800455.3		X	X		0.025 (0.63)	-0.005 (-0.13)			0.013 (0.33)	
	DD800456.0 MX2	X				0.007 (0.18)					
	DD800566.0 MX	X				-0.030 (-0.76)					
	DD800782.5					0.013 (0.33)					
	DD800783.0		X	X	X	0.019 (0.48)	-0.006 (-0.15)			0.012 (0.30)	
	DD800783.4 ESX3	X				0.000 (0.00)				-0.004 (-0.10)	
<b>9.62"</b>	DD800784.0		X	X	X	0.019 (0.48)	-0.006 (-0.15)			0.012 (0.30)	-0.013 (-0.33)
	DD8009103.0 ESX	X				0.001 (0.03)			0.012 (0.30)		
	DD962346.0		X	X	X	0.013 (0.33)					
	DD962562.5	X				0.035 (0.89)					
	DD962563.0		X	X	X	0.042 (1.07)					
	DD962564.0					0.033 (0.84)	0.001 (0.03)	-0.025 (-0.63)		0.024 (0.61)	-0.005 (-0.13)
<b>11.25"</b>	DD962565.0 MX	X			X	-0.023 (-0.58)	-0.060 (-1.52)			-0.050 (-1.27)	
	DD962675.0					0.019 (0.48)	0.000 (0.00)	-0.018 (-0.46)		0.018 (0.46)	0.000 (0.00)
	DD962783.9 ESX3	X				0.002 (0.05)			0.031 (0.79)		
	DD962784.8					0.027 (0.69)	0.000 (0.00)	-0.012 (-0.30)		0.016 (0.41)	0.004 (0.10)
<b>11.50"</b>	DD962786.5 SX3	X				0.002 (0.05)					
	DD1125564.6	X				0.011 (0.28)				0.011 (0.28)	
	DD1150564.6	X				0.011 (0.28)				0.011 (0.28)	
<b>11.50"</b>	DD1150565.0					-0.023 (-0.58)				-0.050 (-1.27)	
	DD1150783.9	X				0.002 (0.05)					

# Dyna-Drill

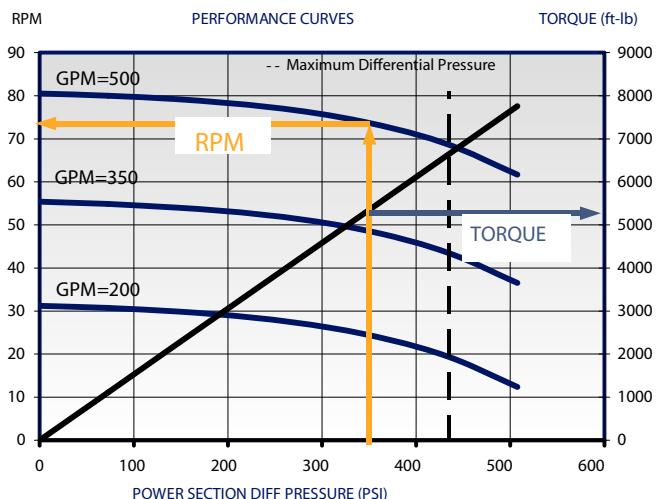
## Power Section Technical Data

### Rotor and Stator Geometry:



### Performance Curves Interpretation:

**FIGURE 1.**



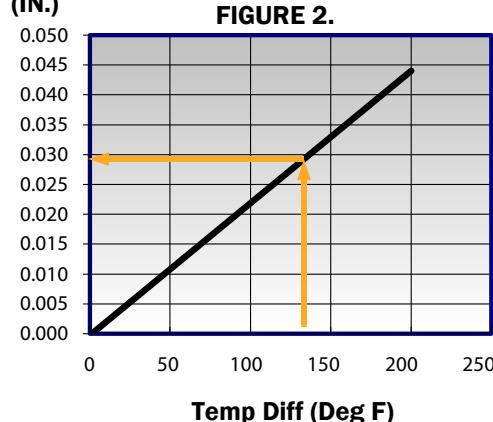
**FIGURE 1:** Power section differential pressure is defined as the difference between the “Off-Bottom” and “On-Bottom” pressure. Draw a vertical line from the corresponding pressure differential value to the RPM curve and read the motor speed on the left axis. Likewise, draw a vertical line from the pressure differential axis to the torque line and read the torque output on the right axis. Motor RPM can be interpolated for GPM values that are not shown on the chart. The dotted line shows the recommended maximum pressure differential. Operating a power section above its recommended pressure results in frequent stalling of motor and may cause premature stator failure. *The power section in Figure 1 is operating at 500 GPM and 350 PSI differential pressure and is producing approximately 5200 ft-lb of torque at 73 RPM.*

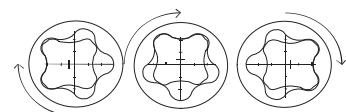
### Compression Fit Calculation:

$$\text{Comp fit} = \frac{D_{\text{rot}} + d_{\text{rot}}}{2} - d_{\text{sta}}$$

Figure 2: Stator elastomer expands due to down-hole temperature and hysteresis heat build-up within the rubber. The minor diameter compression fit can be estimated by adding the numbers from Figure 2 to the nominal compression data at ambient temperature ( $C_{\text{minor}}$ ). Temperature rise due to hysteresis is difficult to estimate and depends on the rubber dynamic properties, operating differential pressure, and rotor/stator compression fit.

(IN.)





## POWER SECTION

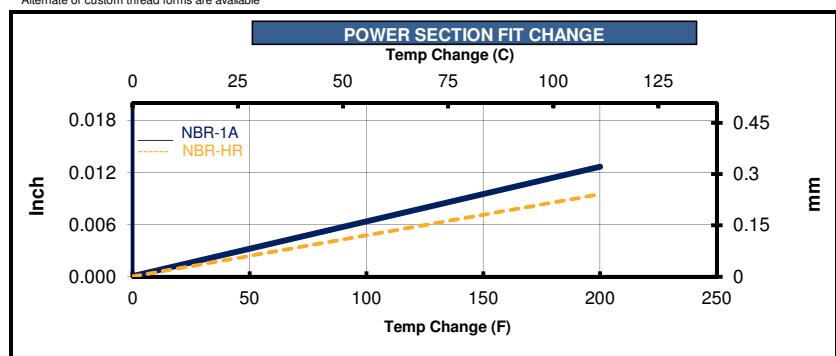
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	55.0	1397
Contour Length	51.0	1295
Eccentricity	0.076	1.93
Major Diameter	1.063	27.00
Head Diameter	1.000	25.40
Weight	10 (lbs) 4.5 (kg)	
Material	17-4SS	
Thread Form*	0.625 - 11 UNC	

\* Alternate or custom thread forms are available

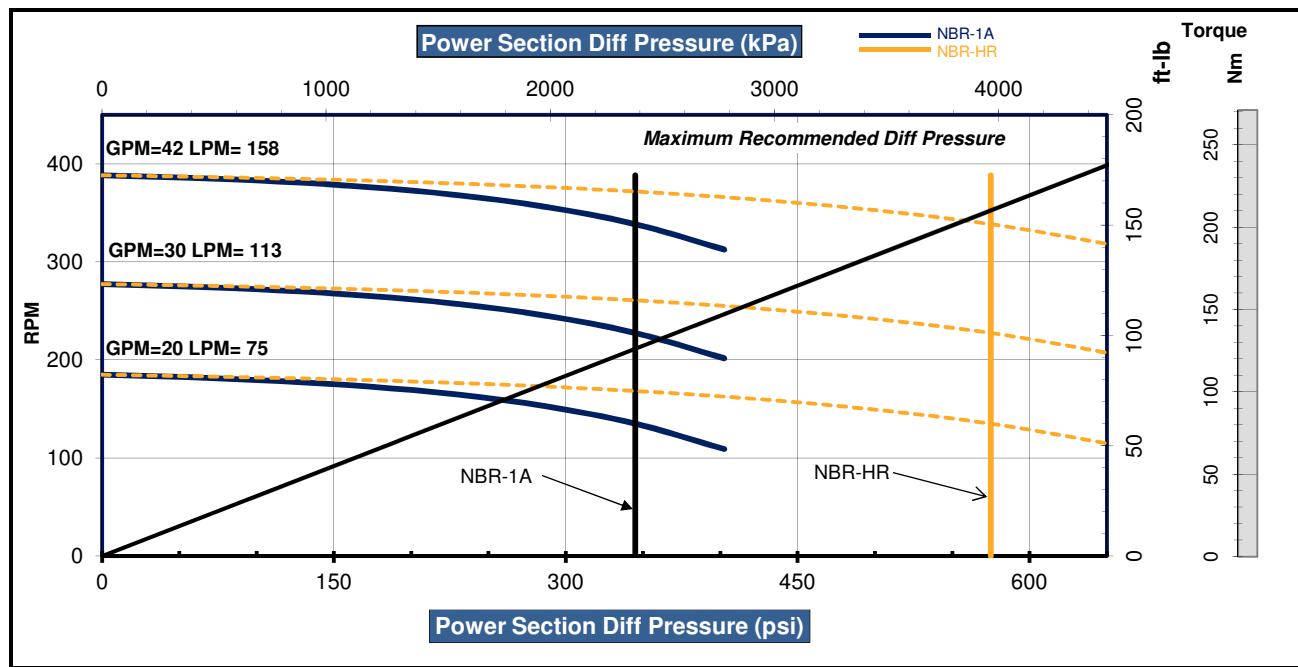
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	60.0	1524
Rubber Cut Back	5.0	127
Tube O.D.	1.69	42.9
Tube I.D.	1.29	32.8
Weight	17 (lbs) 8 (kg)	
Number of Stages	2.3	
Rubber Type	NBR-1A, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	0.916 23.27
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Standard	-0.005
Oversize	-0.13
Double Oversize	

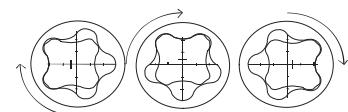
FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	0.906 23.01
Oversize	
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	0.005 0.13
Standard	
Oversize	
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.272 ft-lb/psi 0.054 Nm/kPa	NBR-1A	NBR-HR
Flow Range	20 to 42 GPM 80 to 160 Litre/min	Max Diff Press psi (kPa)	350 (2380 ) 580 (3960 )
Rotation	9.250 Rev/Gal 2.444 Rev/Litre	Max Torque ft-lb (Nm)	90 (130 ) 160 (210 )
Speed Range	185 to 390 RPM	Stall Diff Press psi (kPa)	520 (3570 ) 860 (5950 )
Off Bottom Press	75 psi 520 kPa	Stall Torque ft-lb (Nm)	140 (190 ) 240 (320 )
		Max Recommended HP(kW)	7 (5) 11 (8)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2014 Dyna-Drill®. All rights reserved.



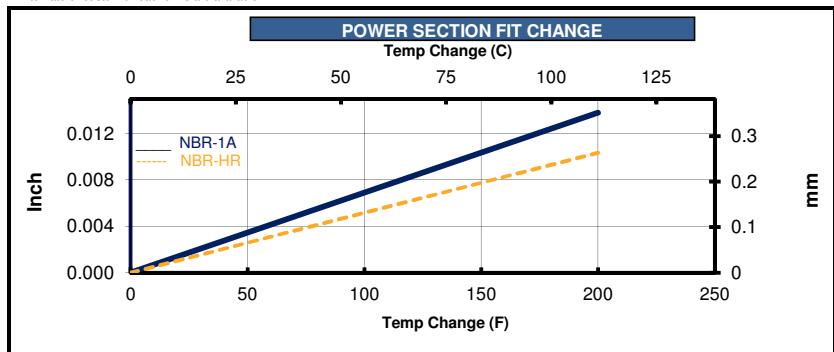
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	54.2	1376
Contour Length	50.2	1274
Eccentricity	0.069	1.75
Major Diameter	1.106	28.09
Head Diameter	1.000	25.40
Weight	11 (lbs) 5 (kg)	
Material	17-4SS	
Thread Form*	0.625 - 11 UNC	

\* Alternate or custom thread forms are available

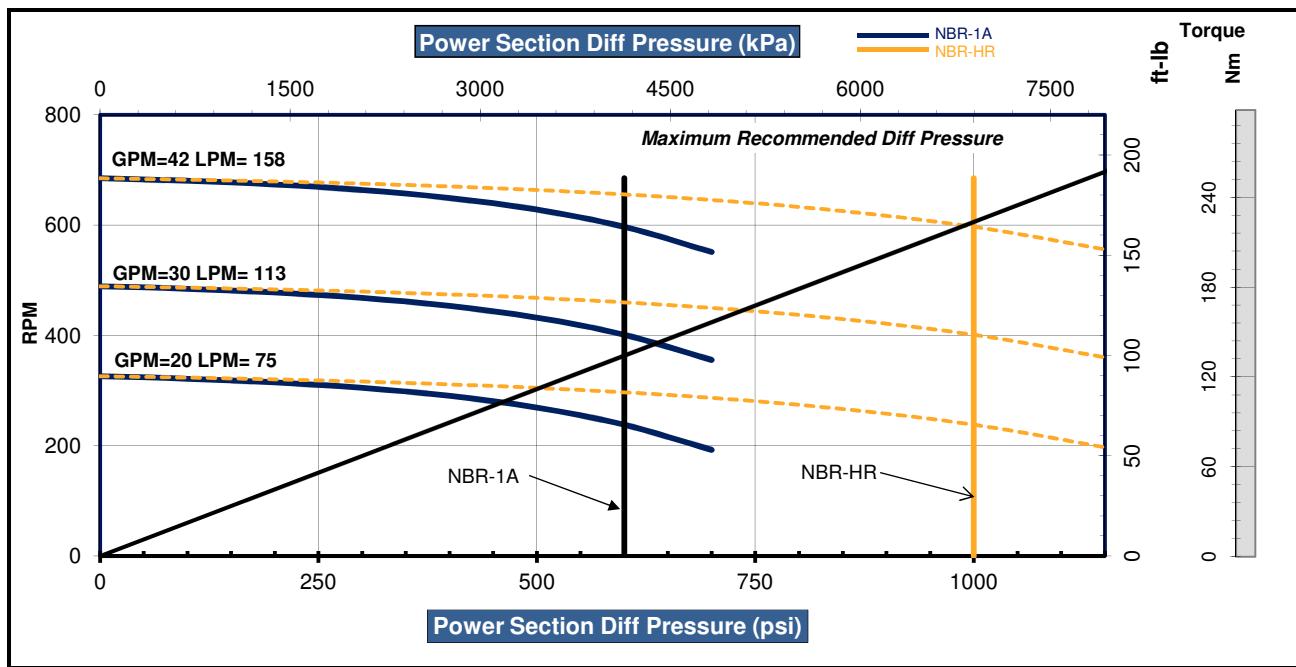
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	57.6	1462
Rubber Cut Back	4.2	107
Tube O.D.	1.69	42.9
Tube I.D.	1.37	34.8
Weight	13 (lbs) 6 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	0.989 25.12
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Standard	-0.021 -0.53
Oversize	
Double Oversize	



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	0.978 24.84
Oversize	
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	-0.010 -0.25
Standard	
Oversize	
Double Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.167 ft-lb/psi 0.033 Nm/kPa	NBR-1A	NBR-HR
Flow Range	20 to 42 GPM 80 to 160 Litre/min	Max Diff Press psi (kPa)	600 (4140 ) 1000 (6890 )
Rotation	16.314 Rev/Gal 4.310 Rev/Litre	Max Torque ft-lb (Nm)	100 (140 ) 170 (230 )
Speed Range	326 to 690 RPM	Stall Diff Press psi (kPa)	900 (6210 ) 1500 (10340 )
Off Bottom Press	85 psi 590 kPa	Stall Torque ft-lb (Nm)	150 (200 ) 250 (340 )
		Max Recommended HP(kW)	13 (10) 21 (16)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2014 Dyna-Drill®. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

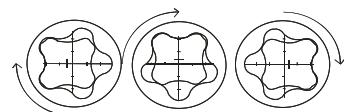
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD168564.4

1.688" 5/6 Lobes 4.4 Stages



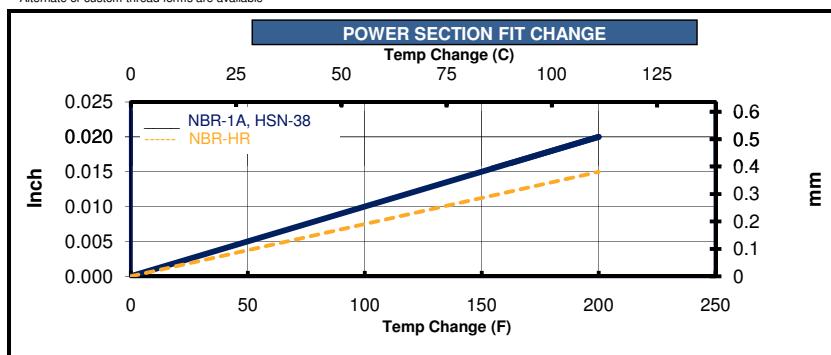
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	79.0	2007
Contour Length	75.3	1911
Eccentricity	0.087	2.21
Major Diameter	1.018	25.86
Head Diameter	1.000	25.40
Weight	11 (lbs) 5 (kg)	
Material	17-4SS	
Thread Form*	0.75 - 10 UNC	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	82.5	2096
Rubber Cut Back	4.3	108
Tube O.D.	1.69	42.9
Tube I.D.	1.38	34.9
Weight	13 (lbs) 6 (kg)	
Number of Stages	4.40	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

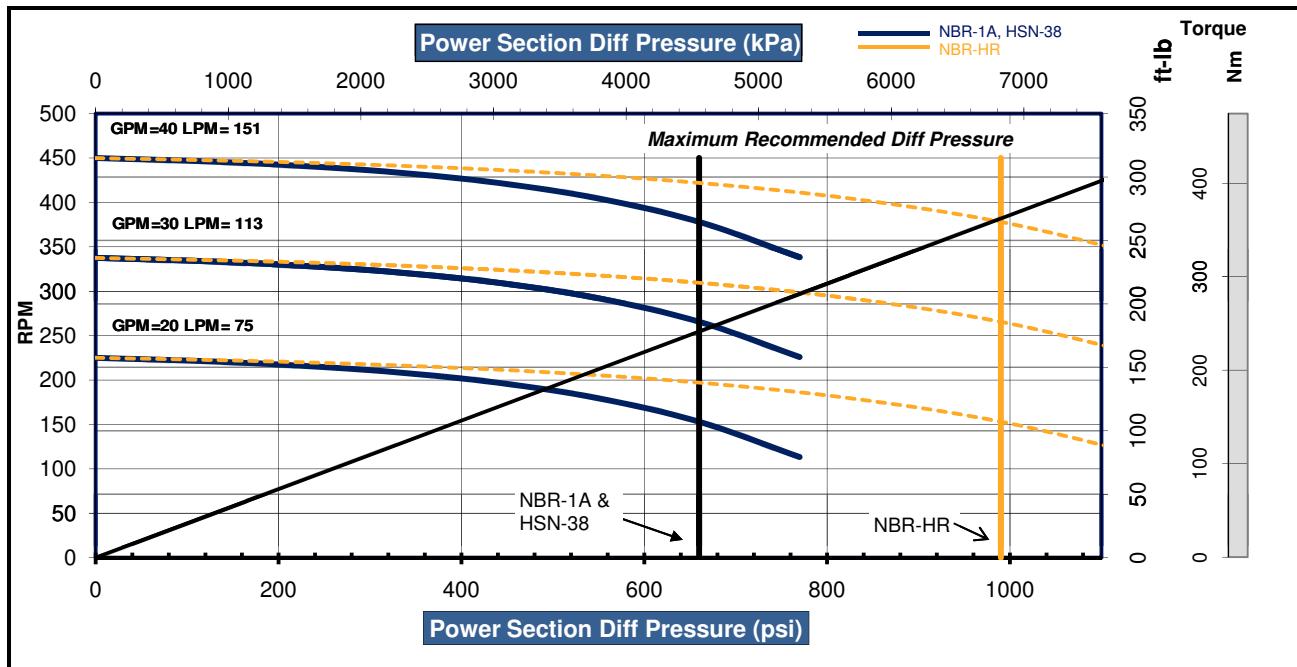
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

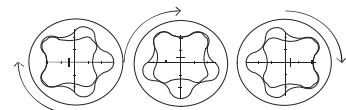


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	0.851 21.62
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.007 -0.18
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.270 ft-lb/psi 0.053 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	20 to 40 GPM 80 to 150 Litre/min	Max Diff Press psi (kPa)	660 (4550 ) 990 (6830 )
Rotation	11.250 Rev/Gal 2.972 Rev/Litre	Max Torque ft-lb (Nm)	180 (240 ) 270 (360 )
Speed Range	225 to 450 RPM	Stall Diff Press psi (kPa)	990 (6830 ) 1490 (10240 )
Off Bottom Press	85 psi 590 kPa	Stall Torque ft-lb (Nm)	270 (360 ) 400 (540 )
		Max Recommended HP(kW)	15 (11) 21 (16)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



## POWER SECTION

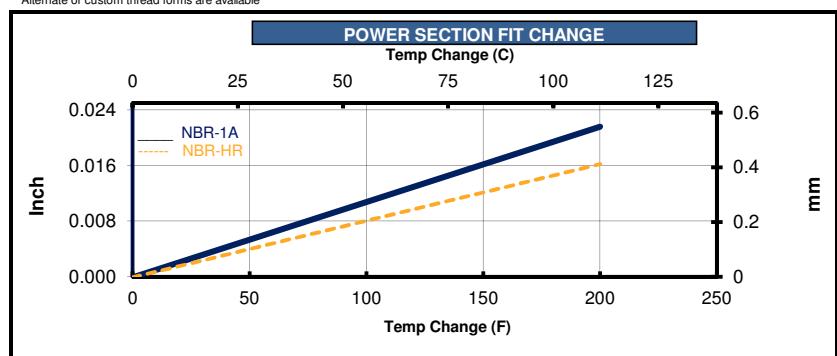
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	64.0	1626
Contour Length	60.0	1524
Eccentricity	0.085	2.16
Major Diameter	1.362	34.59
Head Diameter	1.250	31.80
Weight	20 (lbs) 9.1 (kg)	
Material	17-4SS	
Thread Form*	0.906 - 10 Stub Acme	

\* Alternate or custom thread forms are available

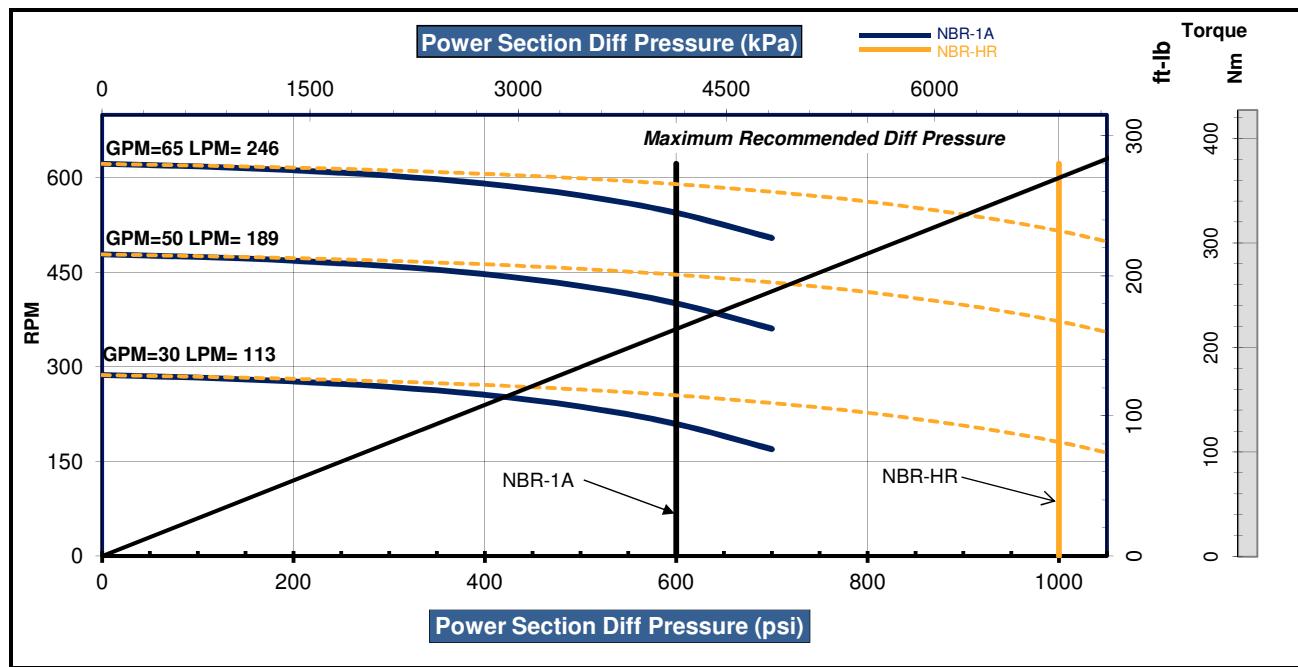
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	66.5	1689
Rubber Cut Back	4.0	102
Tube O.D.	2.13	54.0
Tube I.D.	1.75	44.5
Weight	27 (lbs) 12 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	1.195 30.35
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Standard	-0.003
Oversize	-0.08
Double Oversize	

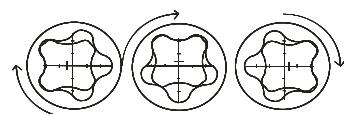
FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.183 30.05
Oversize	
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	0.009
Standard	0.23
Oversize	
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.270 ft-lb/psi 0.053 Nm/kPa	NBR-1A	NBR-HR
Flow Range	30 to 65 GPM 110 to 250 Litre/min	Max Diff Press psi (kPa)	600 (4140 ) 1000 (6890 )
Rotation	9.574 Rev/Gal 2.529 Rev/Litre	Max Torque ft-lb (Nm)	160 (220 ) 270 (370 )
Speed Range	287 to 630 RPM	Stall Diff Press psi (kPa)	900 (6210 ) 1500 (10340 )
Off Bottom Press	70 psi 480 kPa	Stall Torque ft-lb (Nm)	240 (330 ) 410 (550 )
		Max Recommended HP(kW)	19 (14) 30 (22)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2014 Dyna-Drill®. All rights reserved.



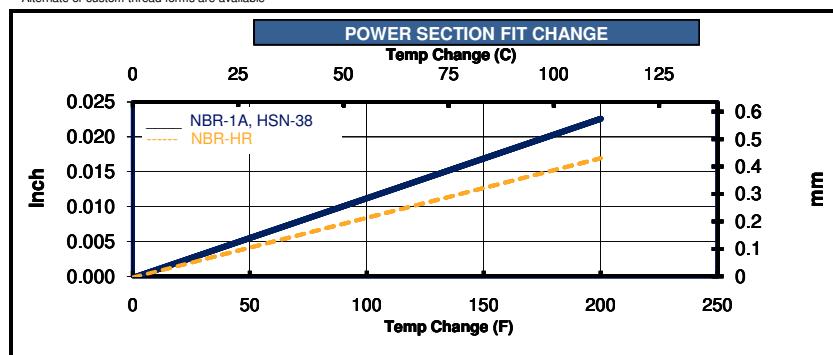
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	68.0	1727
Contour Length	64.8	1645
Eccentricity	0.091	2.31
Major Diameter	1.457	37.01
Head Diameter	1.400	35.60
Weight	25 (lbs) 11.3 (kg)	
Material	17-4SS	
Thread Form*	1.00-16 UN 2B	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	71.6	1819
Rubber Cut Back	3.5	89
Tube O.D.	2.38	60.3
Tube I.D.	1.87	47.5
Weight	37 (lbs) 17 (kg)	
Number of Stages	4.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

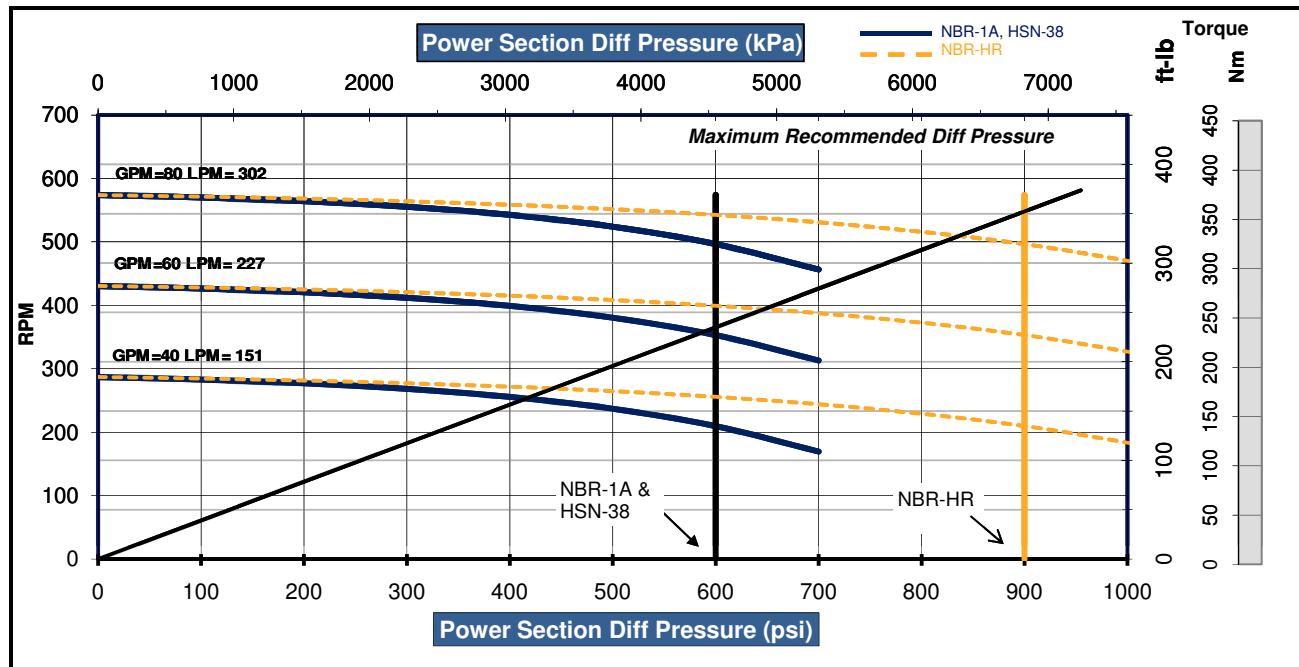
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	1.287 32.69
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.011 -0.28
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

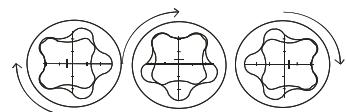


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.276 32.41
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.000 0.00
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.356 ft-lb/psi 0.070 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	40 to 80 GPM 150 to 300 Litre/min	Max Diff Press psi (kPa)	600 (4140 ) 900 (6210 )
Rotation	7.175 Rev/Gal 1.895 Rev/Litre	Max Torque ft-lb (Nm)	210 (290 ) 320 (430 )
Speed Range	287 to 580 RPM	Stall Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Off Bottom Press	70 psi 480 kPa	Stall Torque ft-lb (Nm)	320 (430 ) 480 (650 )
		Max Recommended HP(kW)	23 (17) 33 (25)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



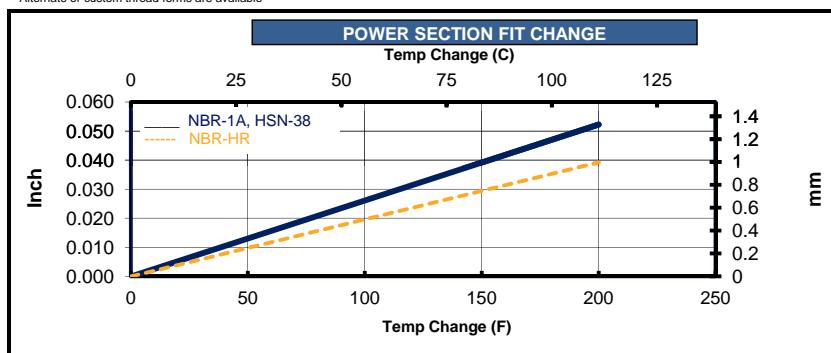
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	111.0	2819
Contour Length	108.0	2743
Eccentricity	0.245	6.22
Major Diameter	1.585	40.26
Head Diameter	1.630	41.40
Weight	69 (lbs) 31.3 (kg)	
Material	17-4SS	
Thread Form*	1.125-8 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Rubber Cut Back	6.0	152
Tube O.D.	2.88	73.0
Tube I.D.	2.44	62.0
Weight	71 (lbs) 32 (kg)	
Number of Stages	4.90	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

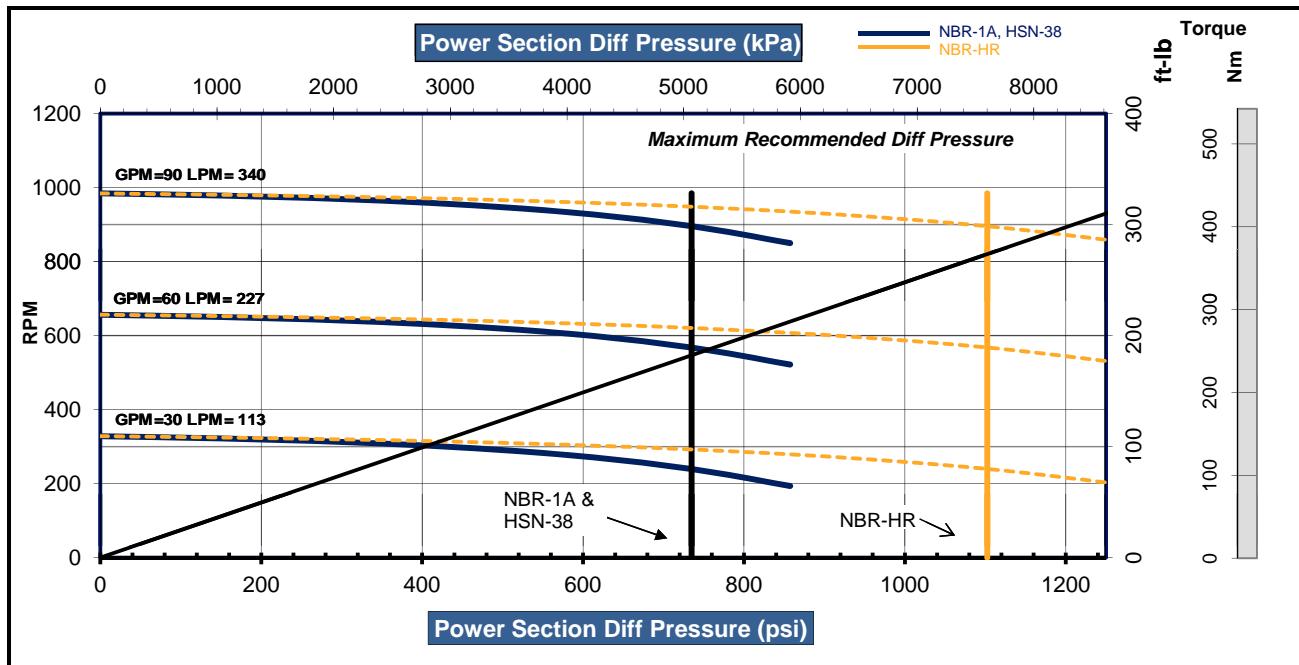
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

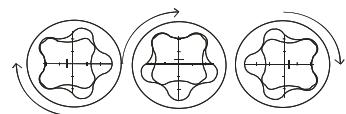


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.073 27.25
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.022 0.56
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.248 ft-lb/psi 0.049 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	30 to 90 GPM 110 to 340 Litre/min	Max Diff Press psi (kPa)	740 (5070 )
Rotation	10.937 Rev/Gal 2.889 Rev/Litre	Max Torque ft-lb (Nm)	180 (250 )
Speed Range	328 to 990 RPM	Stall Diff Press psi (kPa)	1100 (7600 )
Off Bottom Press	92 psi 630 kPa	Stall Torque ft-lb (Nm)	270 (370 )
		Max Recommended HP(kW)	34 (25) 49 (37)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



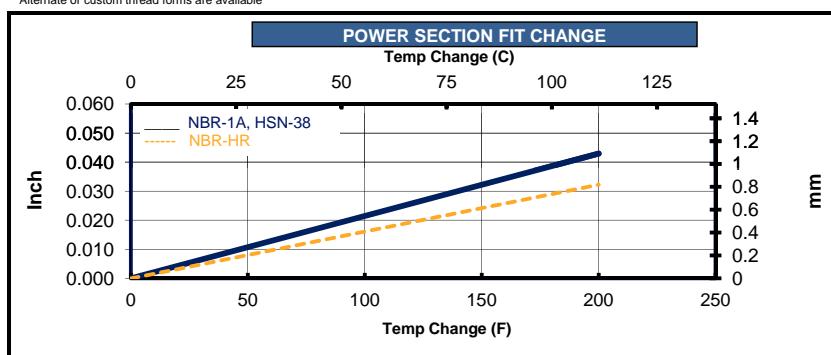
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	110.0	2794
Contour Length	106.0	2692
Eccentricity	0.108	2.74
Major Diameter	1.692	42.98
Head Diameter	1.500	38.10
Weight	50 (lbs) 22.7 (kg)	
Material	17-4SS	
Thread Form*	1.125-5 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Rubber Cut Back	6.0	152
Tube O.D.	2.88	73.0
Tube I.D.	2.44	62.0
Weight	71 (lbs) 32 (kg)	
Number of Stages	2.60	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

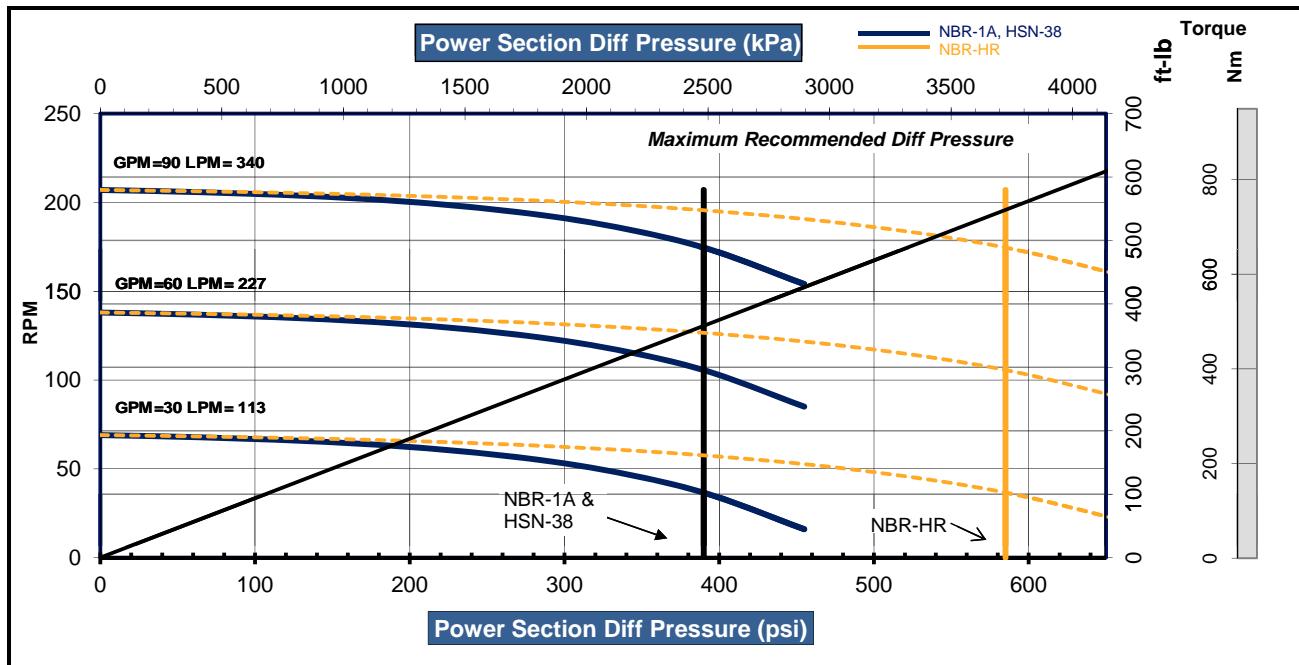
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	1.481 37.62
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.003 -0.08
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

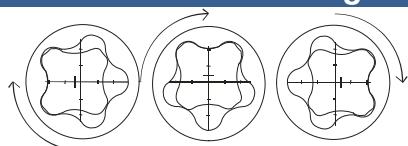


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	1.475 37.47
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.003 0.08
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.015 ft-lb/psi 0.200 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	30 to 90 GPM 110 to 340 Litre/min	Max Diff Press psi (kPa)	390 (2690 ) 590 (4030 )
Rotation	2.300 Rev/Gal 0.608 Rev/Litre	Max Torque ft-lb (Nm)	400 (540 ) 590 (810 )
Speed Range	69 to 210 RPM	Stall Diff Press psi (kPa)	590 (4030 ) 880 (6050 )
Off Bottom Press	34 psi 230 kPa	Stall Torque ft-lb (Nm)	590 (810 ) 890 (1210 )
		Max Recommended HP(kW)	16 (12) 22 (16)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

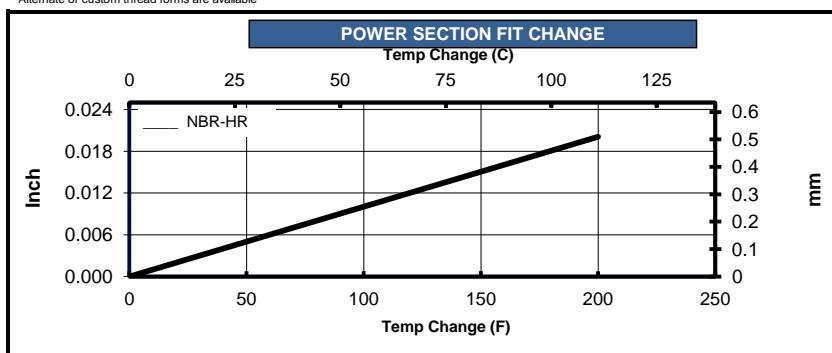


## POWER SECTION

<b>ROTOR SPECIFICATIONS</b>		
	Inch	mm
Overall Length	92.0	2337
Contour Length	87.5	2223
Eccentricity	0.135	3.43
Major Diameter	1.909	48.49
Head Diameter	1.678	42.60
Weight	65 (lbs) 29.5 (kg)	
Material	17-4SS	
Thread Form*	1.125-5 STUB ACME	

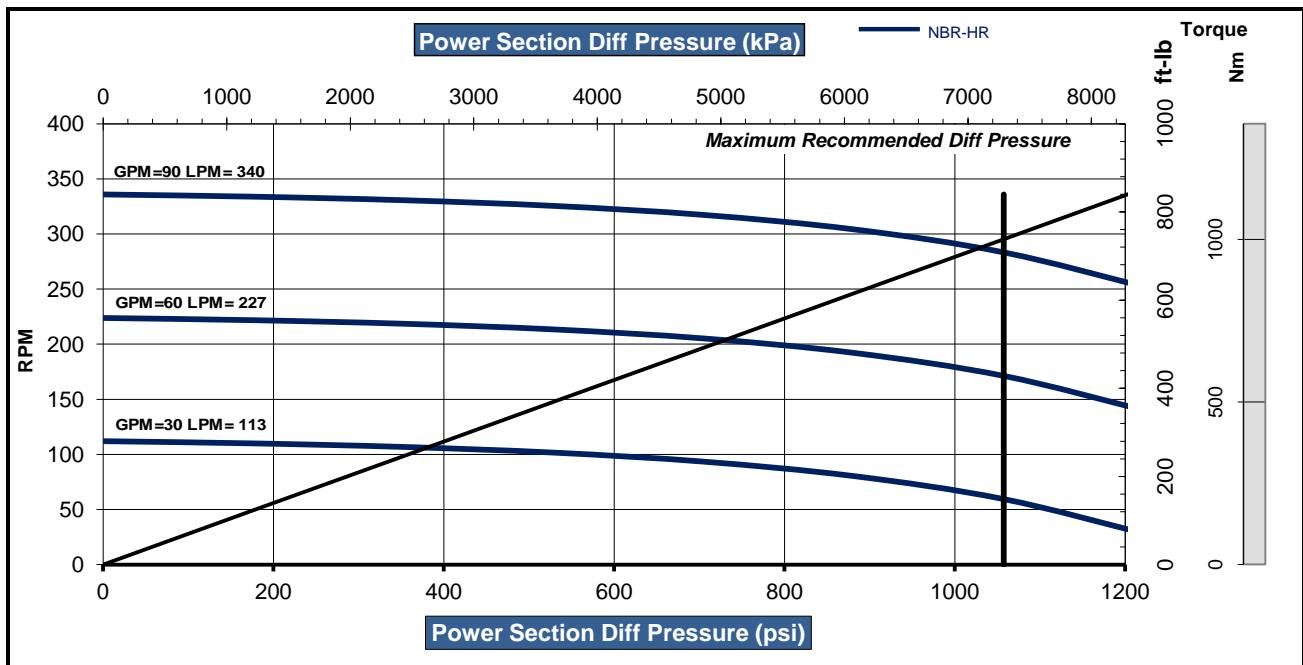
<b>STATOR SPECIFICATIONS</b>		
	Inch	mm
Overall Length	98.0	2489
Rubber Cut Back	6.0	152
Tube O.D.	2.88	73.0
Tube I.D.	2.38	60.3
Weight	70 (lbs) 32 (kg)	
Number of Stages	4.7	
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\*Alternate or custom thread forms are available

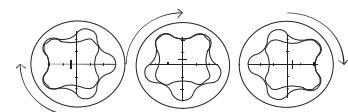


<b>FIT INFORMATION</b>	
<b>NBR-HR</b>	<b>Minor Diameter</b>
Stator Size	Inch mm
Undersize	
Standard	
Oversize	1.628 41.35
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	
Standard	
Oversize	0.011 0.28

<b>PERFORMANCE SPECIFICATIONS</b>		<b>PERFORMANCE DETAILS</b>	
Torque Slope	0.698 ft-lb/psi 0.137 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 1060 (7290 )
Flow Range	30 to 90 GPM 110 to 340 Litre/min	Max Torque ft-lb (Nm)	740 (1000 )
Rotation	3.732 Rev/Gal 0.986 Rev/Litre	Stall Diff Press psi (kPa)	1590 (10940 )
Speed Range	111 to 340 RPM	Stall Torque ft-lb (Nm)	1110 (1500 )
Off Bottom Press	53 psi 370 kPa	Max Recommended HP(kW)	45 (34)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



## POWER SECTION

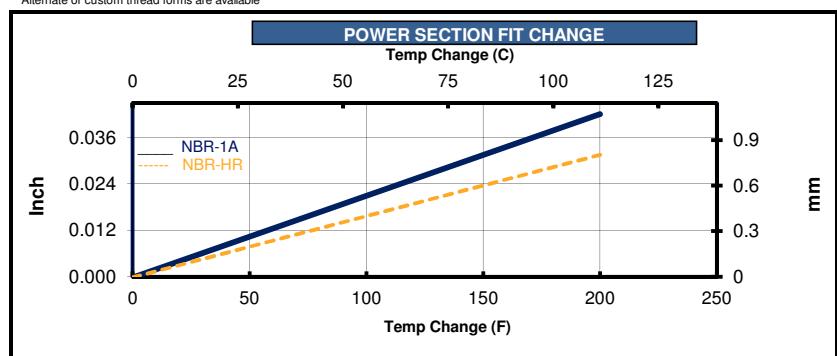
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	110.0	2794
Contour Length	106.0	2692
Eccentricity	0.122	3.1
Major Diameter	1.658	42.11
Head Diameter	1.500	38.10
Weight	52 (lbs) 23.6 (kg)	
Material	17-4SS	
Thread Form*	1.125-5 STUB ACME	

\* Alternate or custom thread forms are available

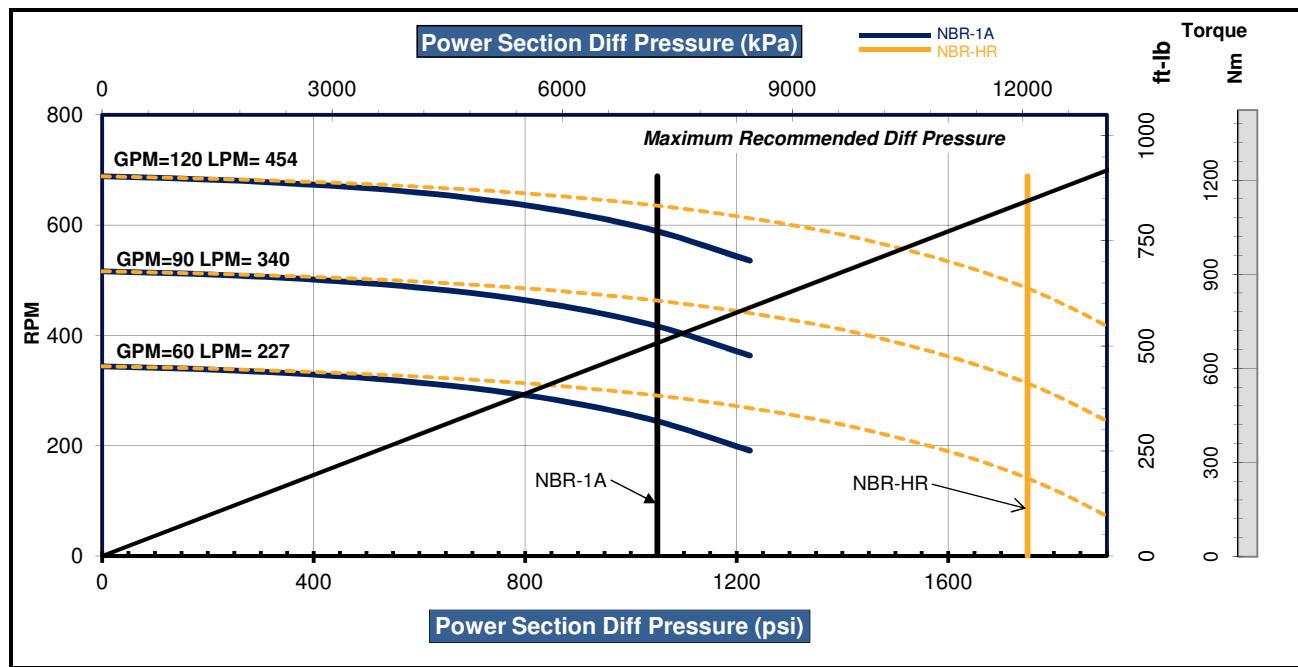
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Rubber Cut Back	6.0	152
Tube O.D.	2.88	73.0
Tube I.D.	2.38	60.3
Weight	74 (lbs) 34 (kg)	
Number of Stages	7.0	
Rubber Type	NBR-1A, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A	Minor Diameter
Stator Size	Inch mm
Standard	1.398 35.51
Oversize	1.416 35.97
Double Oversize	1.429 36.30
Nominal Fit at 75 F (25 C)	
Standard	0.016 0.41
Oversize	-0.002 -0.05
Double Oversize	-0.015 -0.38

NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.399 35.53
Oversize	1.412 35.86
Double Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.015 0.38
Standard	0.002 0.05
Oversize	
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.483 ft-lb/psi 0.095 Nm/kPa	NBR-1A	NBR-HR
Flow Range	60 to 120 GPM 230 to 450 Litre/min	Max Diff Press psi (kPa)	1050 (7240 ) 1750 (12070 )
Rotation	5.740 Rev/Gal 1.516 Rev/Litre	Max Torque ft-lb (Nm)	510 (690 ) 850 (1150 )
Speed Range	344 to 690 RPM	Stall Diff Press psi (kPa)	1580 (10860 ) 2630 (18100 )
Off Bottom Press	119 psi 820 kPa	Stall Torque ft-lb (Nm)	760 (1030 ) 1270 (1720 )
		Max Recommended HP(kW)	67 (50) 100 (75)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2014 Dyna-Drill®. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

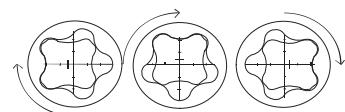
USA: 23400 Colonial Parkway, Katy, TX 77493 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD287783.5

2.875" 7/8 Lobes 3.5 Stages



## POWER SECTION

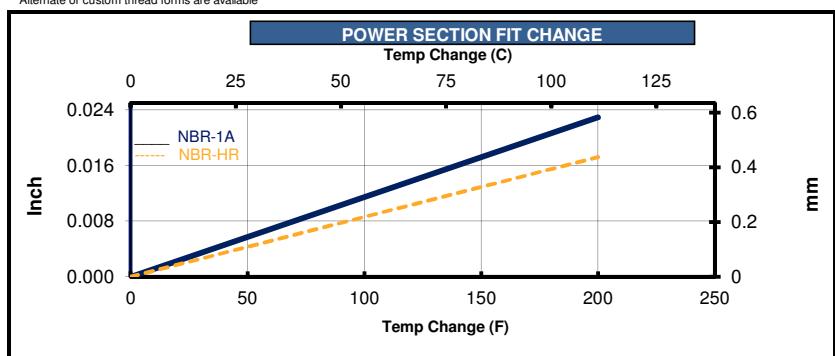
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	1.6	41
Contour Length	68.7	1744
Eccentricity	0.091	2.31
Major Diameter	1.882	47.80
Head Diameter	1.500	38.10
Weight	47 (lbs) 21.3 (kg)	
Material	17-4SS	
Thread Form*	1.125-5 STUB ACME	

\* Alternate or custom thread forms are available

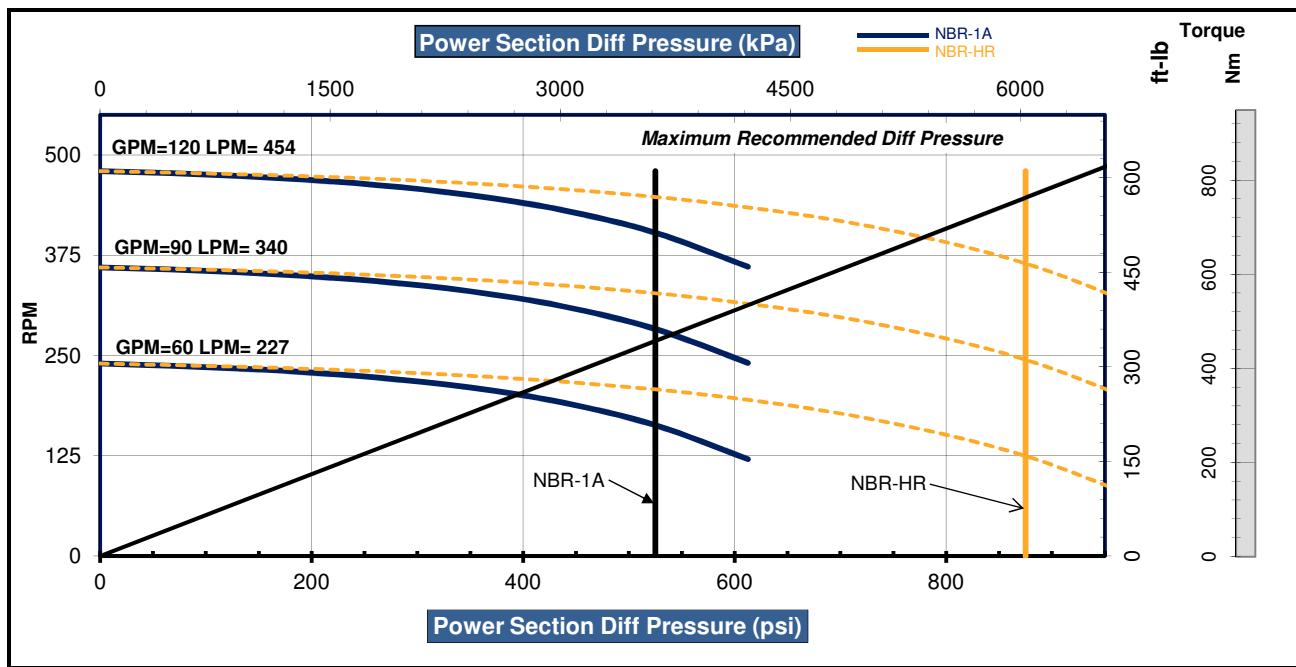
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	80.0	2032
Rubber Cut Back	6.4	163
Tube O.D.	2.88	73.0
Tube I.D.	2.31	58.7
Weight	56 (lbs) 25 (kg)	
Number of Stages	3.5	
Rubber Type	NBR-1A, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	1.710 43.43
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Standard	-0.010 -0.25
Oversize	
Double Oversize	

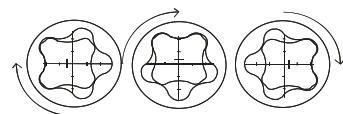
FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.701 43.21
Oversize	
Double Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	-0.001 -0.03
Standard	
Oversize	
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.650 ft-lb/psi 0.128 Nm/kPa	NBR-1A	NBR-HR
Flow Range	60 to 120 GPM 230 to 450 Litre/min	Max Diff Press psi (kPa)	530 (3620 ) 880 (6030 )
Rotation	4.000 Rev/Gal 1.057 Rev/Litre	Max Torque ft-lb (Nm)	340 (460 ) 570 (770 )
Speed Range	240 to 480 RPM	Stall Diff Press psi (kPa)	790 (5430 ) 1310 (9050 )
Off Bottom Press	74 psi 510 kPa	Stall Torque ft-lb (Nm)	510 (690 ) 850 (1160 )
		Max Recommended HP(kW)	31 (23) 48 (36)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2014 Dyna-Drill®. All rights reserved.



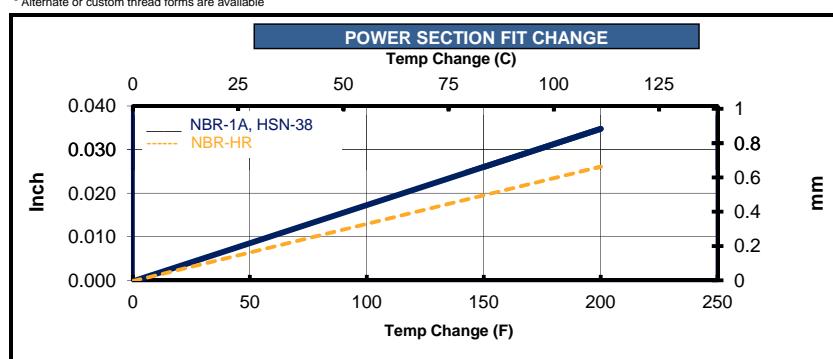
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	101.0	2565
Contour Length	97.0	2464
Eccentricity	0.109	2.77
Major Diameter	1.971	50.06
Head Diameter	1.750	44.50
Weight	70 (lbs) 31.8 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

\* Alternate or custom thread forms are available.

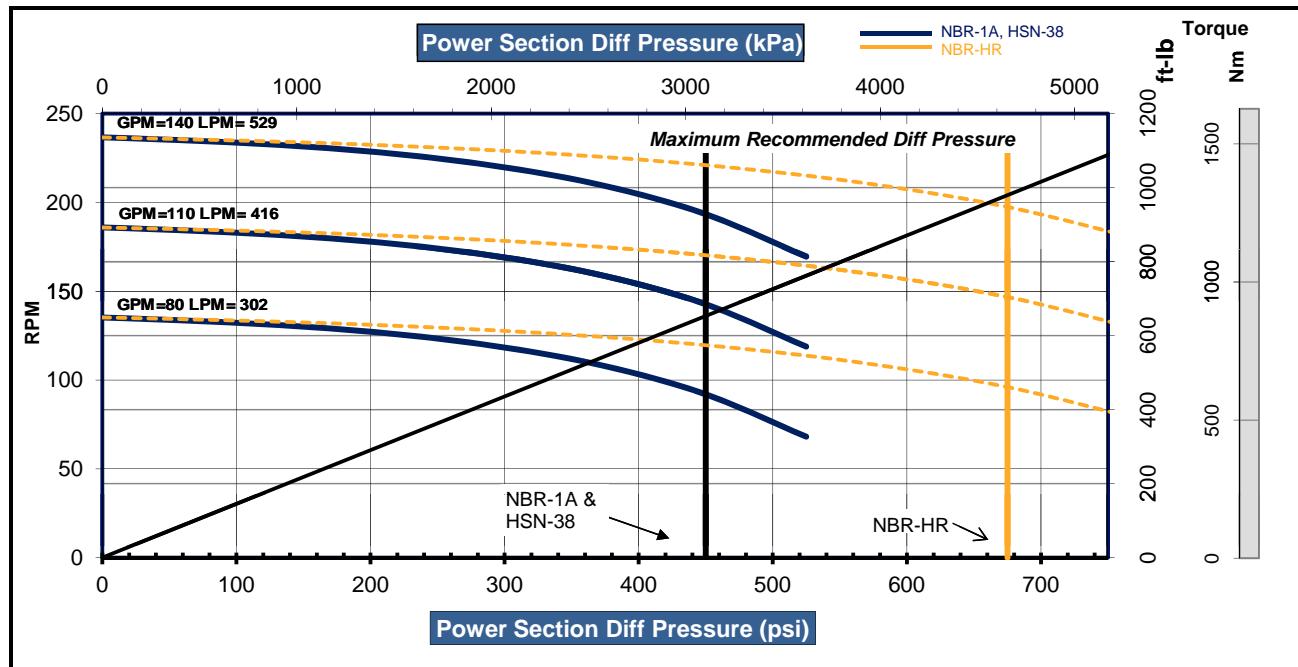
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	106.0	2692
Rubber Cut Back	5.5	140
Tube O.D.	3.13	79.4
Tube I.D.	2.61	66.3
Weight	115 (lbs) 52 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	
Second Oversize	1.775 45.09
Nominal Fit at 75 F (25 C)	
Standard	
Oversize	
Second Oversize	-0.020 -0.51

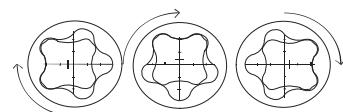


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	1.775 45.09
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	
Oversize	-0.020 -0.51

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.451 ft-lb/psi 0.285 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	80 to 140 GPM 300 to 530 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	1.690 Rev/Gal 0.447 Rev/Litre	Max Torque ft-lb (Nm)	650 (880 ) 980 (1330 )
Speed Range	135 to 240 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	57 psi 390 kPa	Stall Torque ft-lb (Nm)	980 (1330 ) 1470 (1990 )
		Max Recommended HP(kW)	29 (22) 41 (31)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



## POWER SECTION

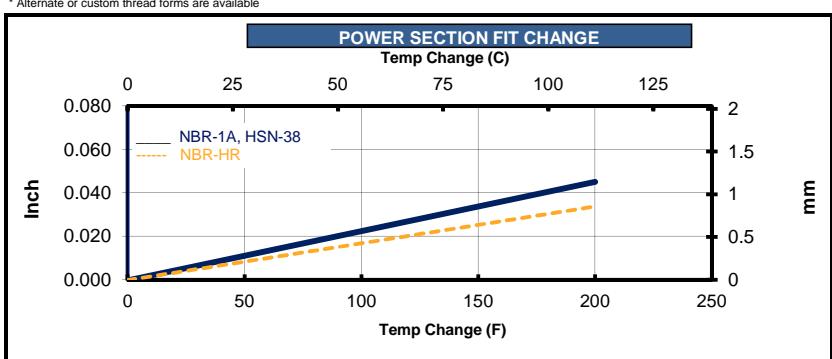
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	111.0	2819
Contour Length	107.0	2718
Eccentricity	0.110	2.79
Major Diameter	1.964	49.89
Head Diameter	1.870	47.50
Weight	75 (lbs) 34 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

\* Alternate or custom thread forms are available

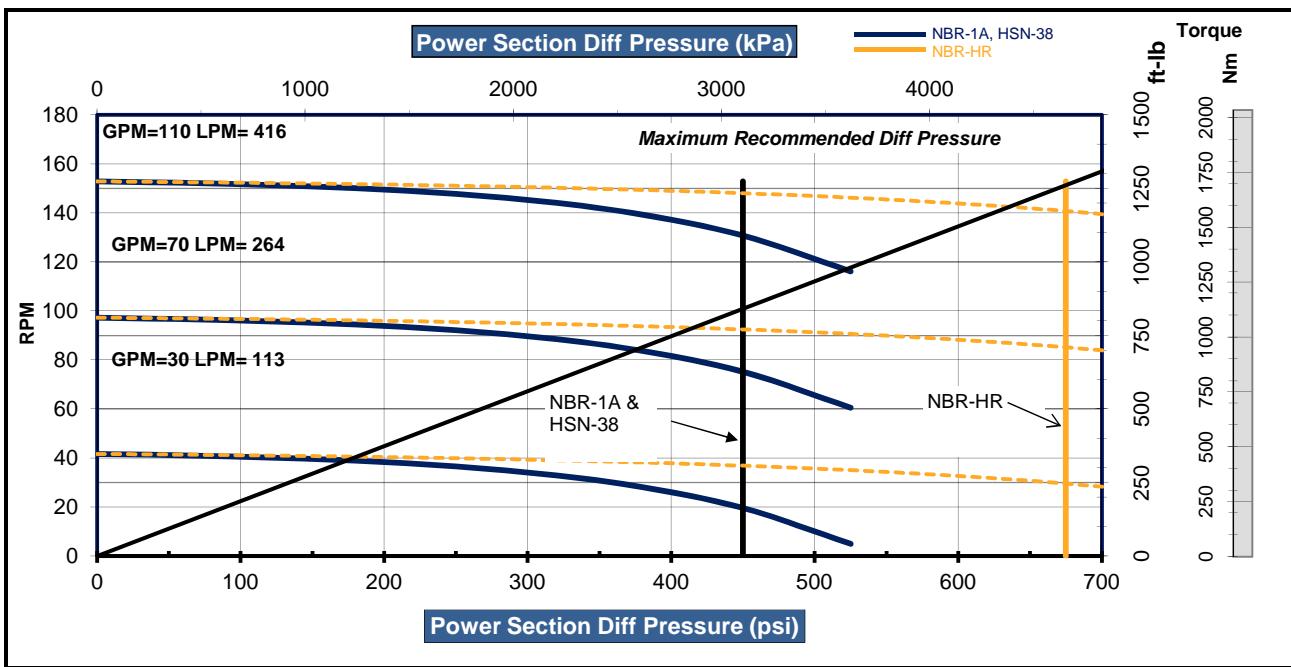
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	124.0	3150
Rubber Cut Back	6.0	152
Tube O.D.	3.38	85.7
Tube I.D.	2.75	69.9
Weight	118 (lbs) 54 (kg)	
Number of Stages	3.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	1.737 44.12
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.007 0.18
Oversize	
Double Oversize	

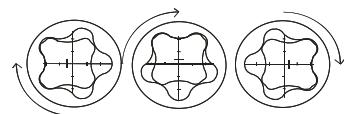
FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	1.729 43.92
Standard	
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.015 0.38
Standard	
Oversize	
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.869 ft-lb/psi 0.368 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	30 to 110 GPM 110 to 420 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	1.390 Rev/Gal 0.367 Rev/Litre	Max Torque ft-lb (Nm)	840 (1140 ) 1260 (1710 )
Speed Range	41 to 160 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	33 psi 230 kPa	Stall Torque ft-lb (Nm)	1260 (1710 ) 1890 (2570 )
		Max Recommended HP(kW)	24 (18) 36 (27)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2014 Dyna-Drill®. All rights reserved.



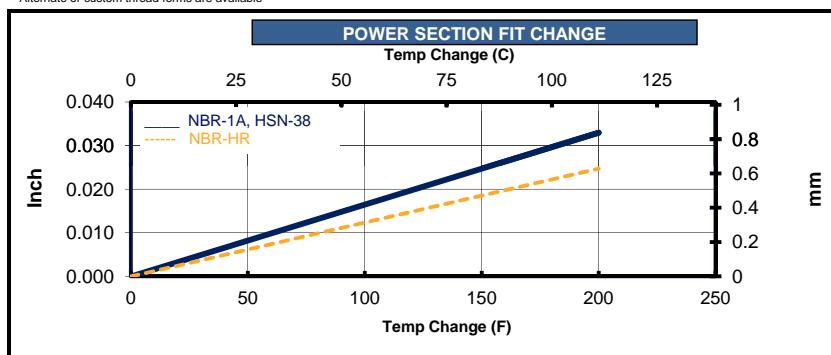
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	76.0	1930
Contour Length	72.0	1829
Eccentricity	0.134	3.4
Major Diameter	2.157	54.79
Head Diameter	1.750	44.50
Weight	60 (lbs) 27.2 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	79.8	2026
Rubber Cut Back	4.6	118
Tube O.D.	3.50	88.9
Tube I.D.	2.75	69.9
Weight	90 (lbs) 41 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

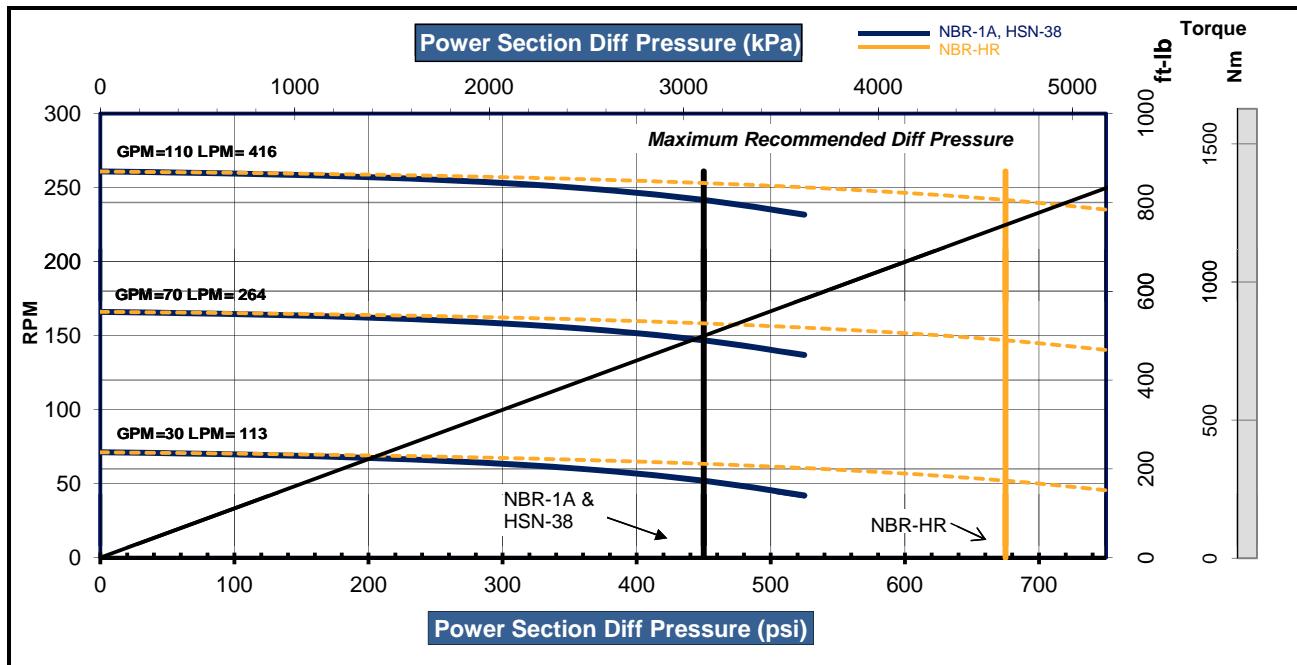
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	1.890 48.01
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.000 0.00
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

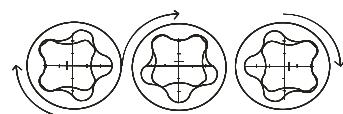


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.897 48.18
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.007 -0.18
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.110 ft-lb/psi 0.218 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	30 to 110 GPM 110 to 420 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	2.372 Rev/Gal 0.627 Rev/Litre	Max Torque ft-lb (Nm)	500 (680 ) 750 (1010 )
Speed Range	71 to 270 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	100 psi 690 kPa	Stall Torque ft-lb (Nm)	750 (1010 ) 1120 (1520 )
		Max Recommended HP(kW)	25 (19) 36 (27)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



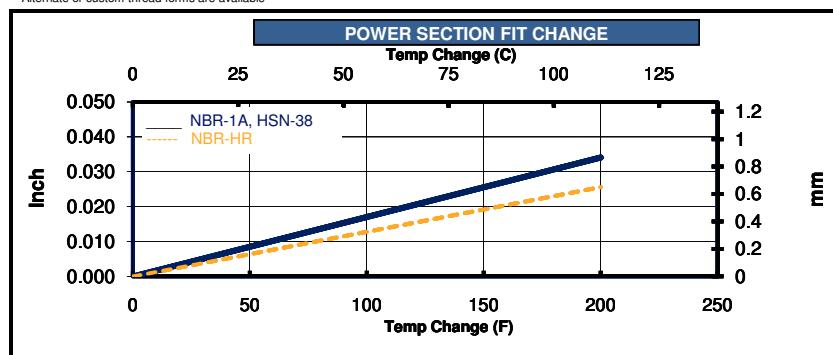
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Contour Length	113.0	2870
Eccentricity	0.119	3.02
Major Diameter	2.144	54.46
Head Diameter	2.000	50.80
Weight	95 (lbs) 43.1 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	133.8	3397
Rubber Cut Back	5.8	146
Tube O.D.	3.50	88.9
Tube I.D.	2.75	69.9
Weight	151 (lbs) 68 (kg)	
Number of Stages	4.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

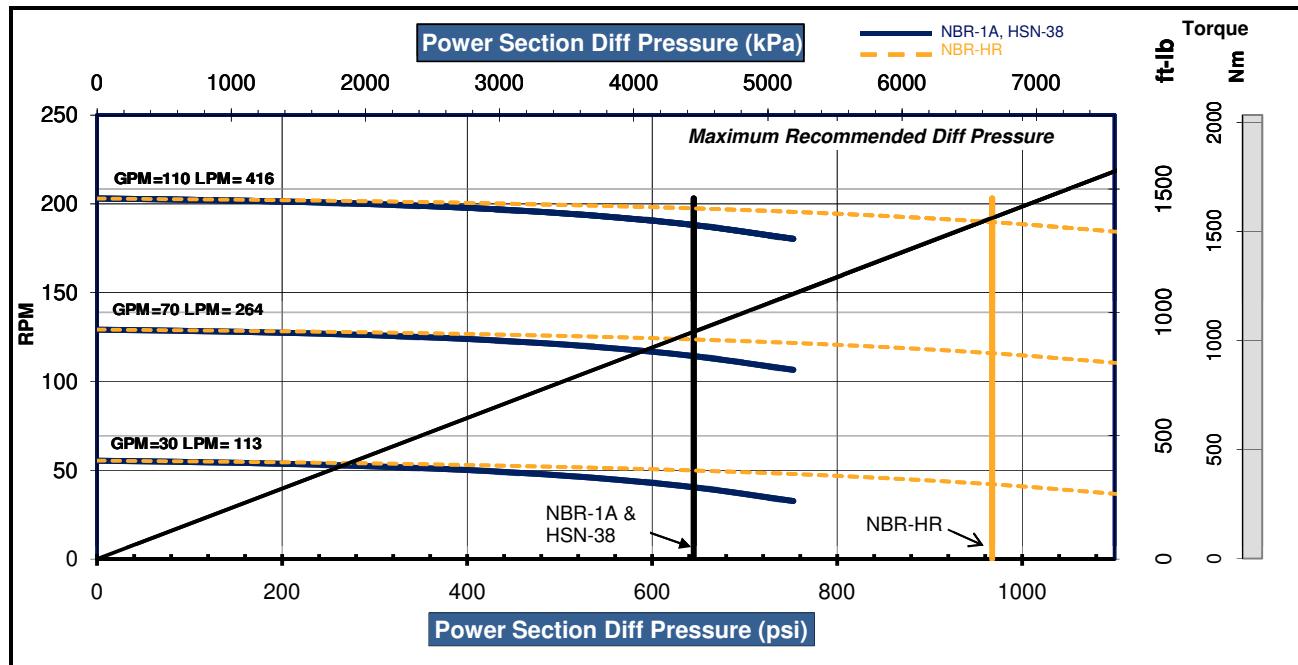
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	1.886 47.90
Oversize	1.904 48.36
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.020 0.51
Oversize	0.002 0.05
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.888 47.96
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.018 0.46
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.429 ft-lb/psi 0.281 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	30 to 110 GPM 110 to 420 Litre/min	Max Diff Press psi (kPa)	650 (4450)
Rotation	1.846 Rev/Gal 0.488 Rev/Litre	Max Torque ft-lb (Nm)	920 (1250)
Speed Range	55 to 210 RPM	Stall Diff Press psi (kPa)	970 (6670)
Off Bottom Press	46 psi 320 kPa	Stall Torque ft-lb (Nm)	1380 (1870)
		Max Recommended HP(kW)	36 (27)
			52 (39)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

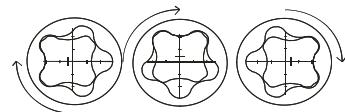
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD375238.0

3.75" 2/3 Lobes 8 Stages



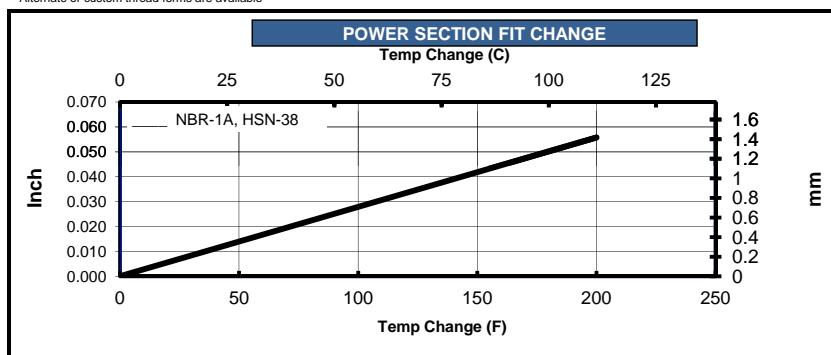
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	129.0	3277
Contour Length	124.0	3150
Eccentricity	0.237	6.02
Major Diameter	2.049	52.04
Head Diameter	2.000	50.80
Weight	74 (lbs) 33.6 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

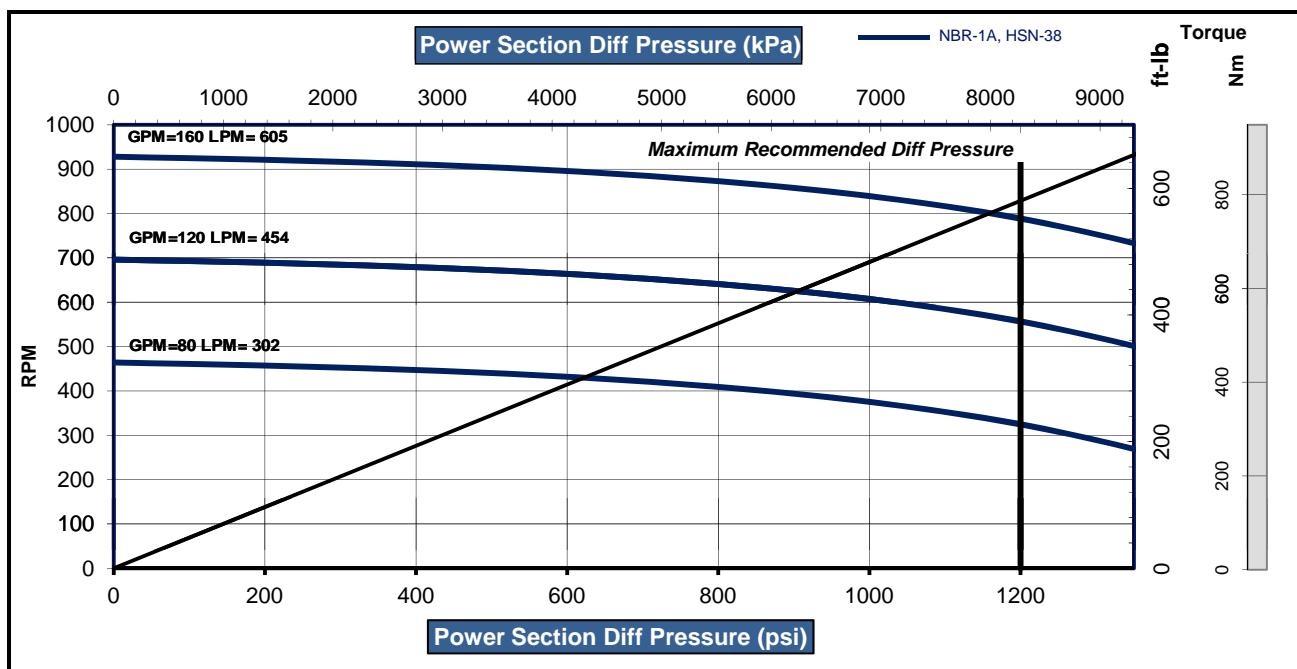
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	135.0	3429
Rubber Cut Back	6.0	152
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	170 (lbs) 77 (kg)	
Number of Stages	8.00	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	1.577	40.06
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.003	-0.08
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.483 ft-lb/psi 0.095 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Torque ft-lb (Nm)	1200 (8270 )
Rotation	5.800 Rev/Gal 1.532 Rev/Litre	Stall Diff Press psi (kPa)	580 (790 )
Speed Range	464 to 930 RPM	Stall Torque ft-lb (Nm)	1800 (12410 )
Off Bottom Press	150 psi 1030 kPa	Max Recommended HP(kW)	870 (1180 )
			102 (76)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

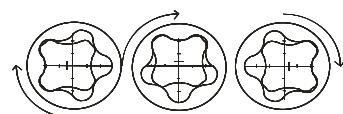
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD375349.0

3.75" 3/4 Lobes 9 Stages



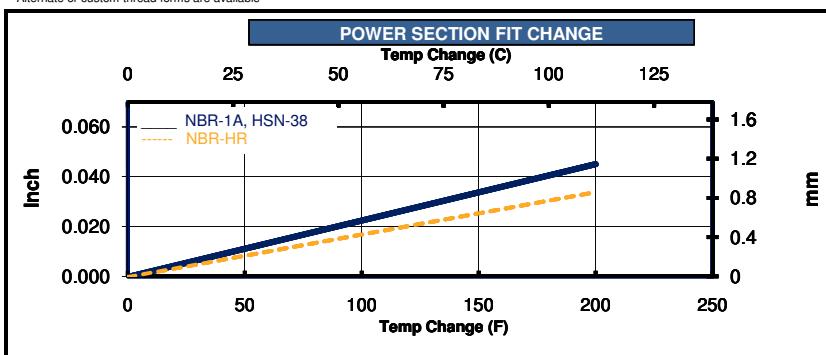
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	126.0	3200
Contour Length	121.0	3073
Eccentricity	0.196	4.98
Major Diameter	1.959	49.76
Head Diameter	2.000	50.80
Weight	71 (lbs) 32.2 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	149.0	3785
Rubber Cut Back	15.0	381
Tube O.D.	3.75	95.3
Tube I.D.	2.75	69.9
Weight	230 (lbs) 104 (kg)	
Number of Stages	9.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

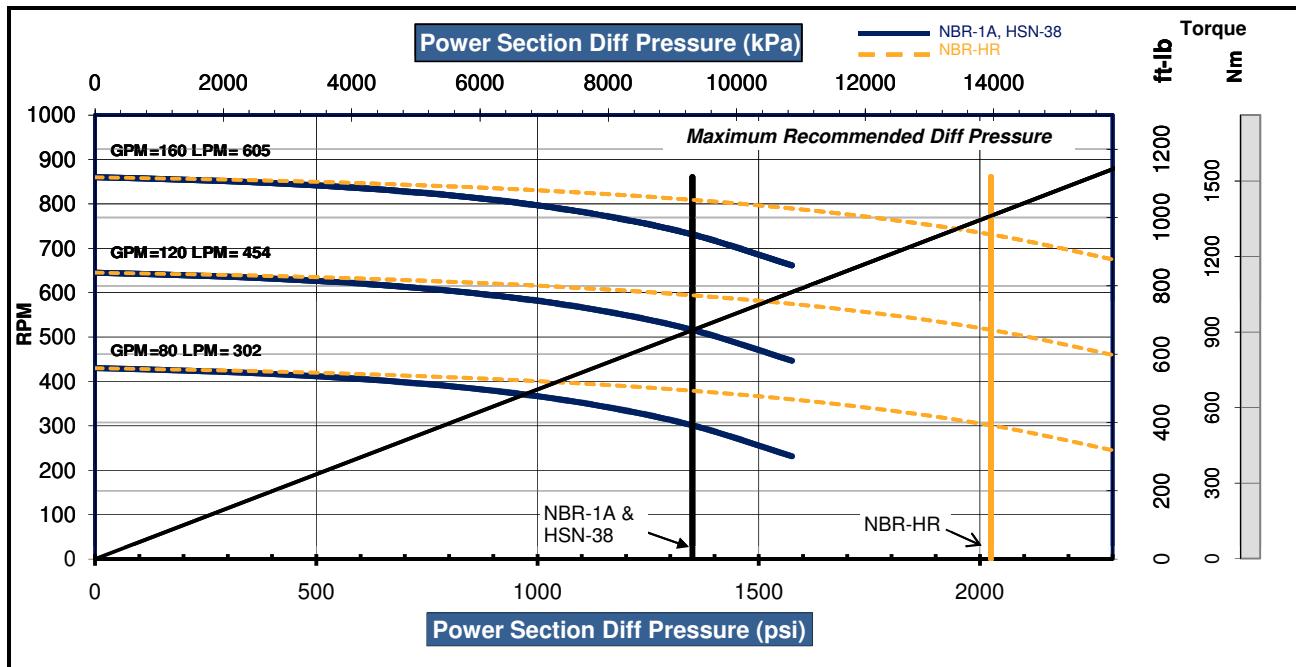
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	1.585 40.26
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.018
Oversize	-0.46
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.567 39.80
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.000 0.00
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.496 ft-lb/psi 0.098 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Diff Press psi (kPa)	1350 (9310 ) 2030 (13960 )
Rotation	5.375 Rev/Gal 1.420 Rev/Litre	Max Torque ft-lb (Nm)	670 (910 ) 1010 (1370 )
Speed Range	430 to 860 RPM	Stall Diff Press psi (kPa)	2030 (13960 ) 3040 (20940 )
Off Bottom Press	172 psi 1190 kPa	Stall Torque ft-lb (Nm)	1010 (1370 ) 1510 (2050 )
		Max Recommended HP(kW)	110 (82) 155 (116)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

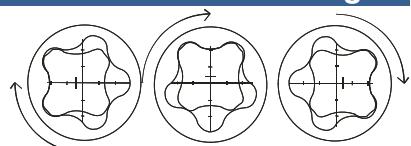
# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255  
 Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833  
 Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053  
 Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

Model No: DD375452.0

3.75" 4/5 Lobes 2 Stages

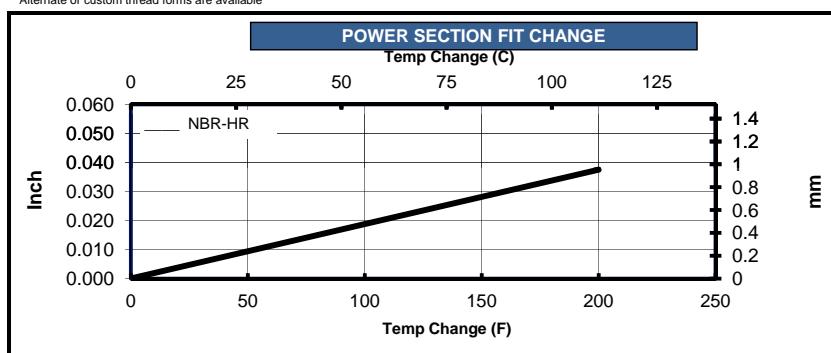


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	76.5	1943
Contour Length	71.5	1816
Eccentricity	0.179	4.55
Major Diameter	2.159	54.84
Head Diameter	1.750	44.50
Weight	57 (lbs) 25.9 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

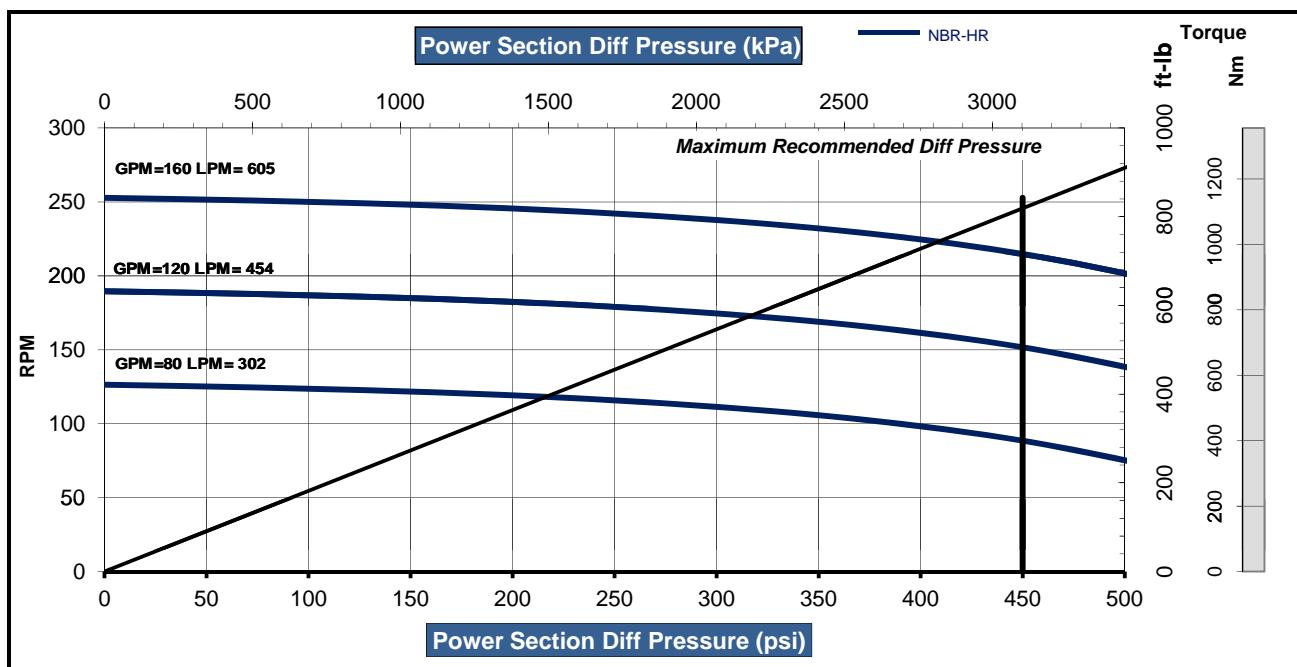
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	82.5	2096
Rubber Cut Back	6.0	152
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	109 (lbs) 49 (kg)	
Number of Stages	2.00	
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.780 45.21
Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	
Standard	0.021 0.53
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.820 ft-lb/psi 0.358 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 450 (3100 )
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Torque ft-lb (Nm)	820 (1110 )
Rotation	1.580 Rev/Gal 0.417 Rev/Litre	Stall Diff Press psi (kPa)	680 (4650 )
Speed Range	126 to 260 RPM	Stall Torque ft-lb (Nm)	1230 (1670 )
Off Bottom Press	61 psi 420 kPa	Max Recommended HP(kW)	37 (28)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

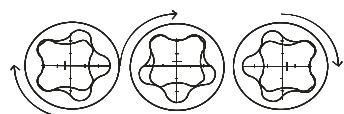
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD375453.5

3.75" 4/5 Lobes 3.5 Stages



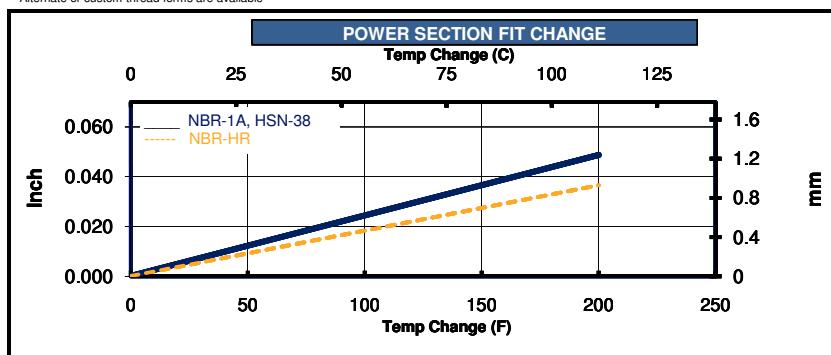
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	129.0	3277
Contour Length	124.0	3150
Eccentricity	0.179	4.55
Major Diameter	2.159	54.84
Head Diameter	1.750	44.50
Weight	93 (lbs) 42.2 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	135.0	3429
Rubber Cut Back	6.0	152
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	179 (lbs) 81 (kg)	
Number of Stages	3.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

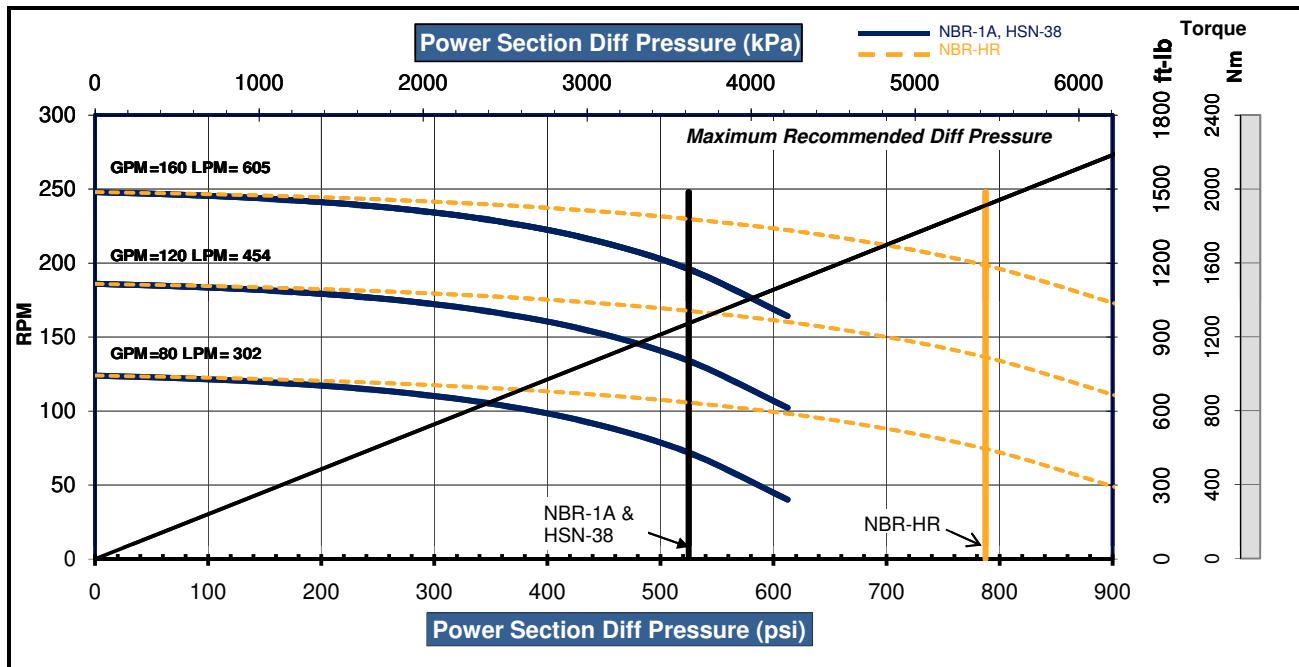
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	1.780 45.21
Oversize	1.813 46.05
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.021 0.53
Oversize	-0.012 -0.31
Second Oversize	

\* Alternate or custom thread forms are available

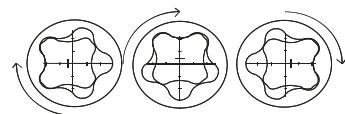


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.780 45.21
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.021 0.53
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.820 ft-lb/psi 0.358 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Diff Press psi (kPa)	530 (3620 )
Rotation	1.550 Rev/Gal 0.410 Rev/Litre	Max Torque ft-lb (Nm)	960 (1300 )
Speed Range	124 to 250 RPM	Stall Diff Press psi (kPa)	790 (5430 )
Off Bottom Press	69 psi 480 kPa	Stall Torque ft-lb (Nm)	1430 (1940 )
		Max Recommended HP(kW)	45 (34)
			63 (47)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



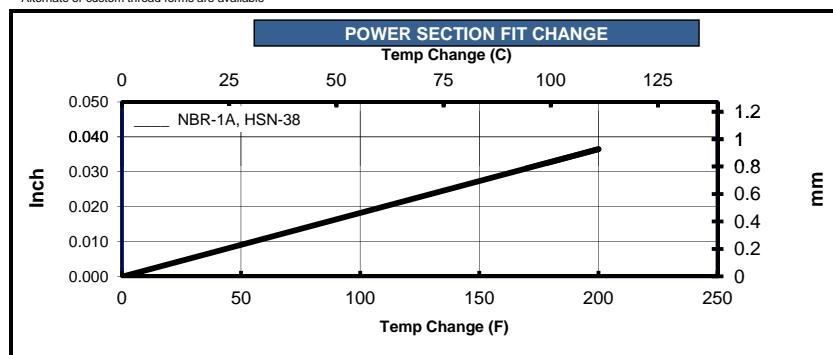
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	74.0	1880
Contour Length	68.8	1746
Eccentricity	0.167	4.24
Major Diameter	2.366	60.10
Head Diameter	1.895	48.10
Weight	66 (lbs) 29.9 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

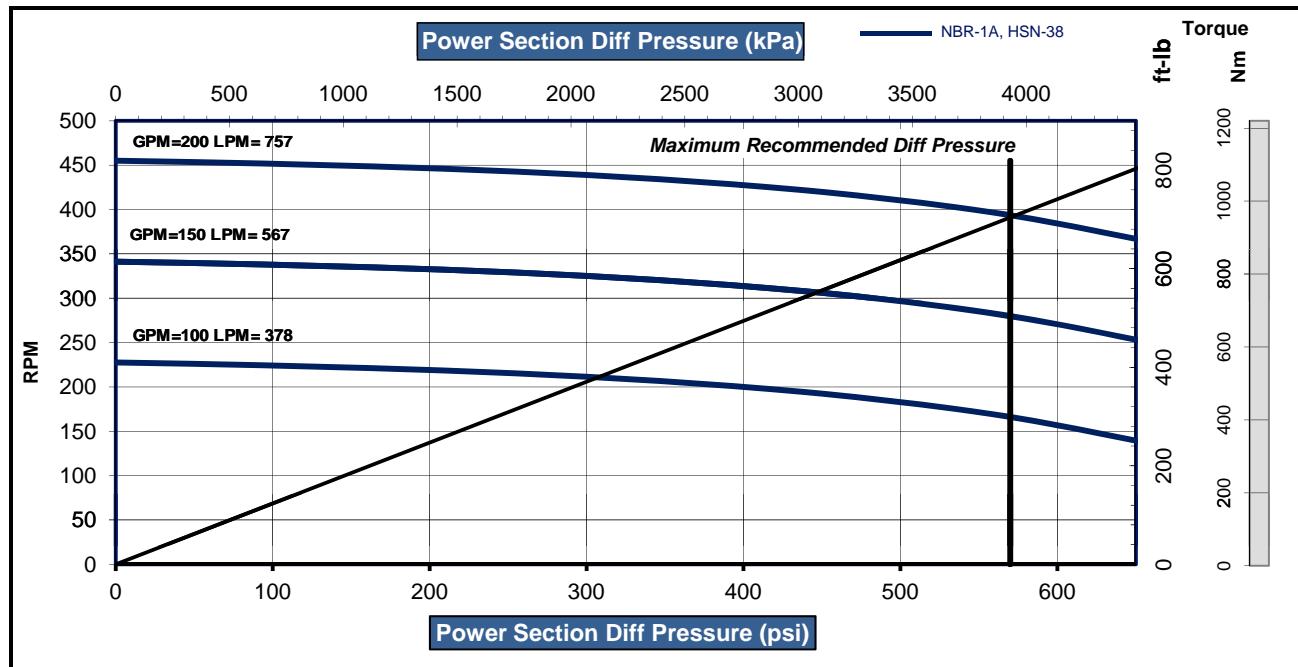
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	80.5	2045
Rubber Cut Back	6.3	159
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	99 (lbs) 45 (kg)	
Number of Stages	3.80	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.012	51.10
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.020	0.51
Oversize		
Double Oversize		

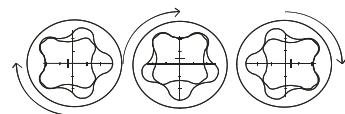
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.235 ft-lb/psi 0.243 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	100 to 200 GPM 380 to 760 Litre/min	Max Diff Press psi (kPa)	570 (3930 )
Rotation	2.275 Rev/Gal 0.601 Rev/Litre	Max Torque ft-lb (Nm)	700 (950 )
Speed Range	227 to 460 RPM	Stall Diff Press psi (kPa)	860 (5900 )
Off Bottom Press	106 psi 730 kPa	Stall Torque ft-lb (Nm)	1060 (1430 )
		Max Recommended HP(kW)	61 (45)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



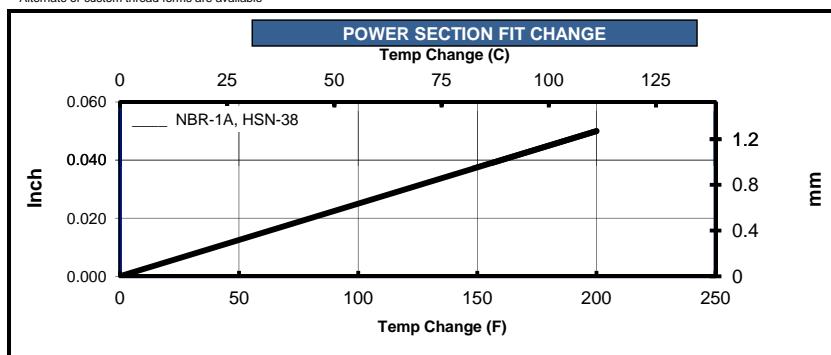
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	152.0	3861
Contour Length	145.5	3696
Eccentricity	0.141	3.58
Major Diameter	2.136	54.25
Head Diameter	2.000	50.80
Weight	116 (lbs) 52.6 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

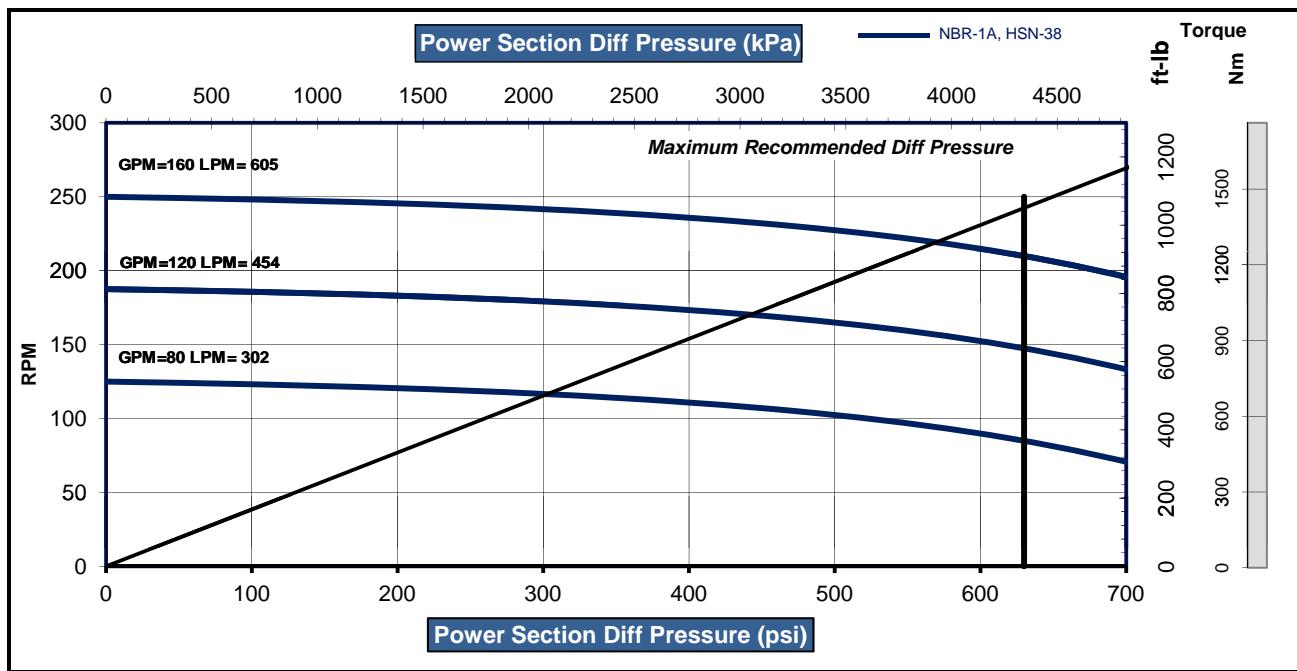
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	160.0	4064
Rubber Cut Back	8.0	203
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	200 (lbs) 91 (kg)	
Number of Stages	4.20	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	1.852	47.04
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.004	0.10
Oversize		
Double Oversize		

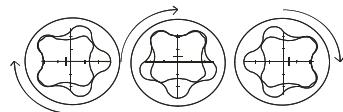
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.667 ft-lb/psi 0.328 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Torque ft-lb (Nm)	630 (4340)
Rotation	1.563 Rev/Gal 0.413 Rev/Litre	Stall Diff Press psi (kPa)	1050 (1420)
Speed Range	125 to 250 RPM	Stall Torque ft-lb (Nm)	950 (6520)
Off Bottom Press	64 psi 440 kPa	Max Recommended HP(kW)	1580 (2140)
			50 (37)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



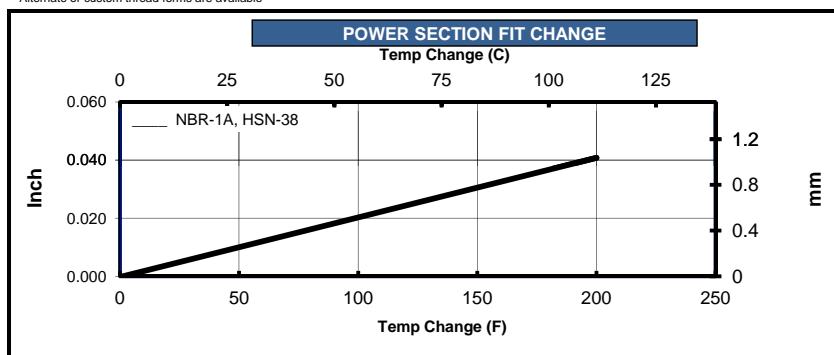
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	214.0	5436
Contour Length	209.0	5309
Eccentricity	0.126	3.2
Major Diameter	2.276	57.81
Head Diameter	2.250	57.20
Weight	199 (lbs) 90.3 (kg)	
Material	17-4SS	
Thread Form*	1.625 - 8 STUB ACME	

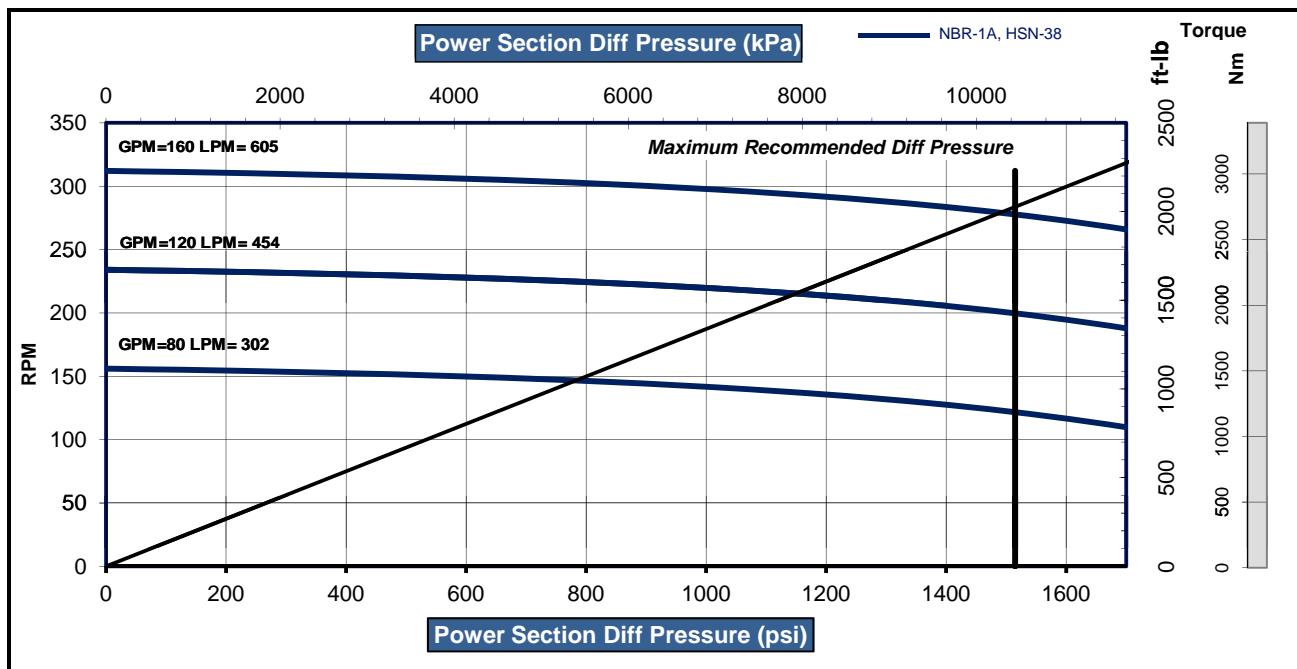
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	225.0	5715
Rubber Cut Back	8.0	203
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	280 (lbs) 127 (kg)	
Number of Stages	10.10	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.014	51.16
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.010	0.25
Oversize		
Double Oversize		

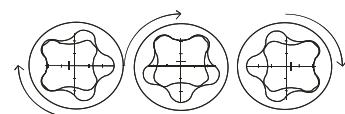
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.338 ft-lb/psi 0.263 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Torque ft-lb (Nm)	1520 (10450 )
Rotation	1.950 Rev/Gal 0.515 Rev/Litre	Stall Diff Press psi (kPa)	2030 (2750 )
Speed Range	156 to 320 RPM	Stall Torque ft-lb (Nm)	2270 (15670 )
Off Bottom Press	106 psi 730 kPa	Max Recommended HP(kW)	3040 (4120 )
			120 (90)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



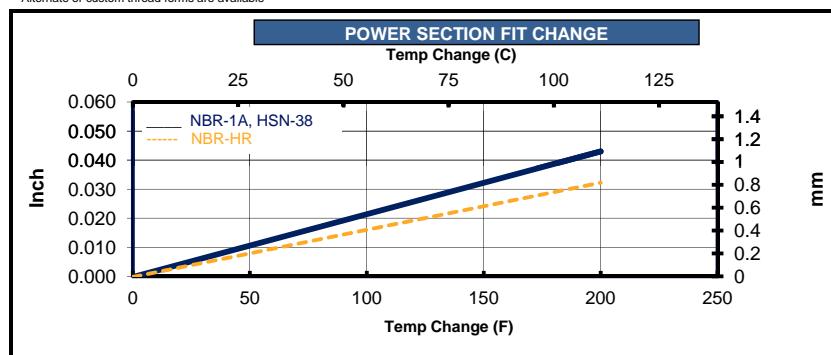
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	129.0	3277
Contour Length	124.0	3150
Eccentricity	0.127	3.23
Major Diameter	2.252	57.20
Head Diameter	1.880	47.80
Weight	113 (lbs) 51.3 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	141.0	3581
Rubber Cut Back	6.0	152
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	175 (lbs) 79 (kg)	
Number of Stages	2.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

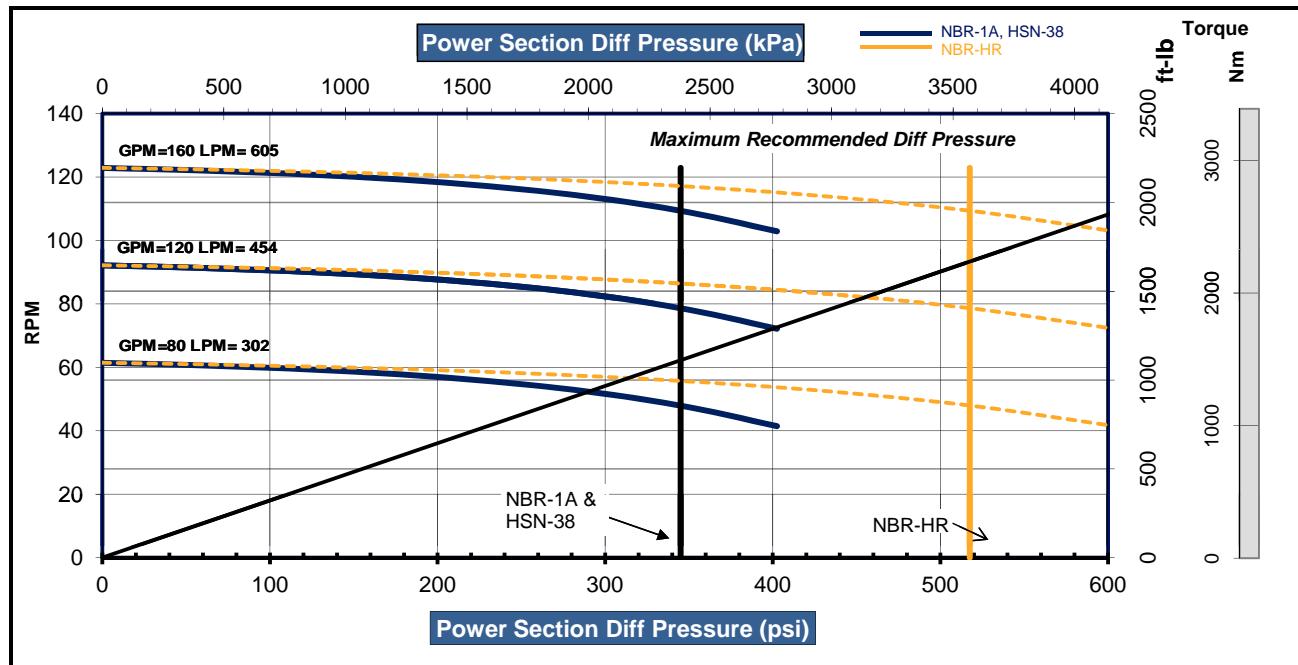
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	1.980 50.29
Oversize	1.999 50.77
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	0.000 0.00
Second Oversize	

\* Alternate or custom thread forms are available

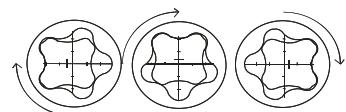


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	1.963 49.86
Standard	1.987 50.47
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.036 0.91
Standard	0.012 0.30
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	3.221 ft-lb/psi 0.633 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Diff Press psi (kPa)	350 (2380 ) 520 (3570 )
Rotation	0.768 Rev/Gal 0.203 Rev/Litre	Max Torque ft-lb (Nm)	1110 (1510 ) 1670 (2260 )
Speed Range	61 to 130 RPM	Stall Diff Press psi (kPa)	520 (3570 ) 780 (5350 )
Off Bottom Press	110 psi 760 kPa	Stall Torque ft-lb (Nm)	1670 (2260 ) 2500 (3390 )
		Max Recommended HP(kW)	26 (19) 37 (28)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



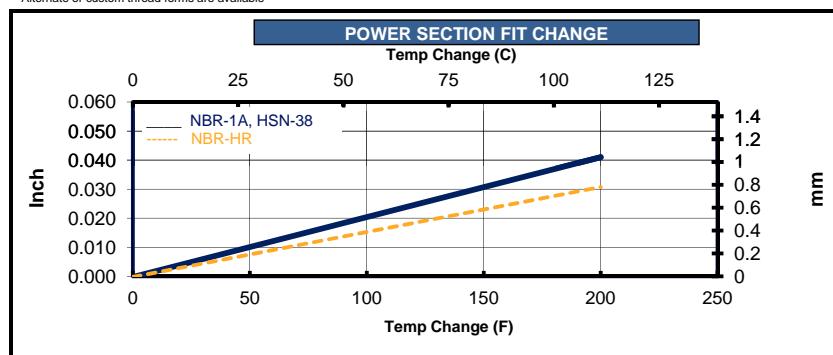
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	172.0	4369
Contour Length	166.0	4216
Eccentricity	0.125	3.18
Major Diameter	2.270	57.66
Head Diameter	2.000	50.80
Weight	155 (lbs) 70.3 (kg)	
Material	17-4SS	
Thread Form*	1.375 - 6 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	180.0	4572
Rubber Cut Back	8.0	203
Tube O.D.	3.75	95.3
Tube I.D.	3.00	76.2
Weight	224 (lbs) 102 (kg)	
Number of Stages	6.7	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

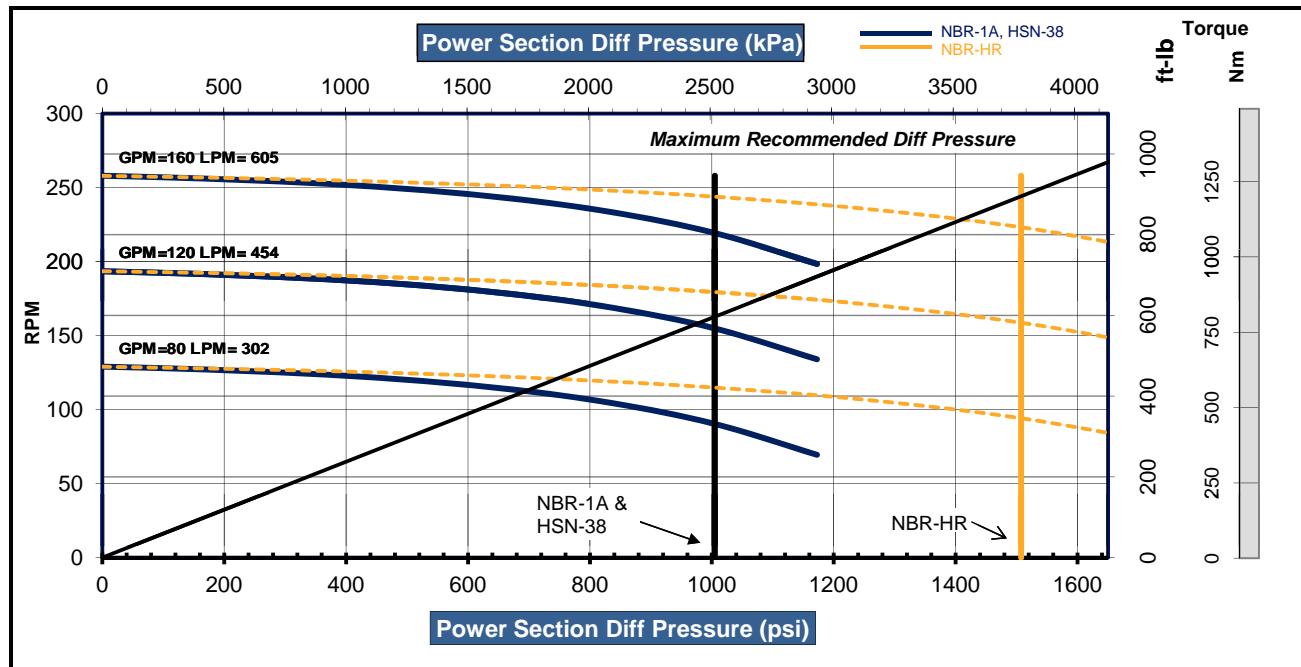
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	2.013 51.13
Second Oversize	2.052 52.12
Nominal Fit at 75 F (25 C)	
Standard	0.007 0.18
Oversize	-0.032 -0.81

\* Alternate or custom thread forms are available

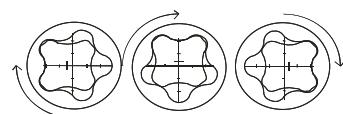


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.000 50.80
Oversize	2.035 51.69
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.020 0.51
Oversize	-0.015 -0.38

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.633 ft-lb/psi 0.321 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	80 to 160 GPM 300 to 610 Litre/min	Max Diff Press psi (kPa)	1010 (6930 ) 1510 (10390 )
Rotation	1.613 Rev/Gal 0.426 Rev/Litre	Max Torque ft-lb (Nm)	1640 (2220 ) 2460 (3340 )
Speed Range	129 to 260 RPM	Stall Diff Press psi (kPa)	1510 (10390 ) 2260 (15590 )
Off Bottom Press	87 psi 600 kPa	Stall Torque ft-lb (Nm)	2460 (3340 ) 3690 (5000 )
		Max Recommended HP(kW)	81 (60) 114 (85)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



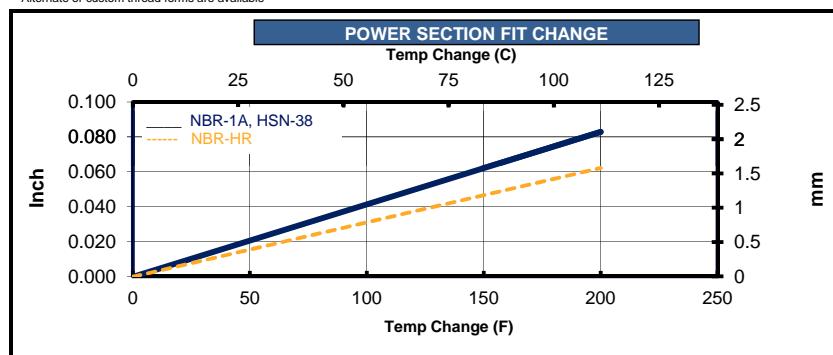
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	182.0	4623
Contour Length	176.0	4470
Eccentricity	0.422	10.72
Major Diameter	2.532	64.31
Head Diameter	2.500	63.50
Weight	113 (lbs) 51.3 (kg)	
Material	17-4SS	
Thread Form*	1.875 - 8 STUB ACME	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	190.0	4826
Rubber Cut Back	7.5	191
Tube O.D.	4.75	120.7
Tube I.D.	3.88	98.4
Weight	369 (lbs) 167 (kg)	
Number of Stages	7.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

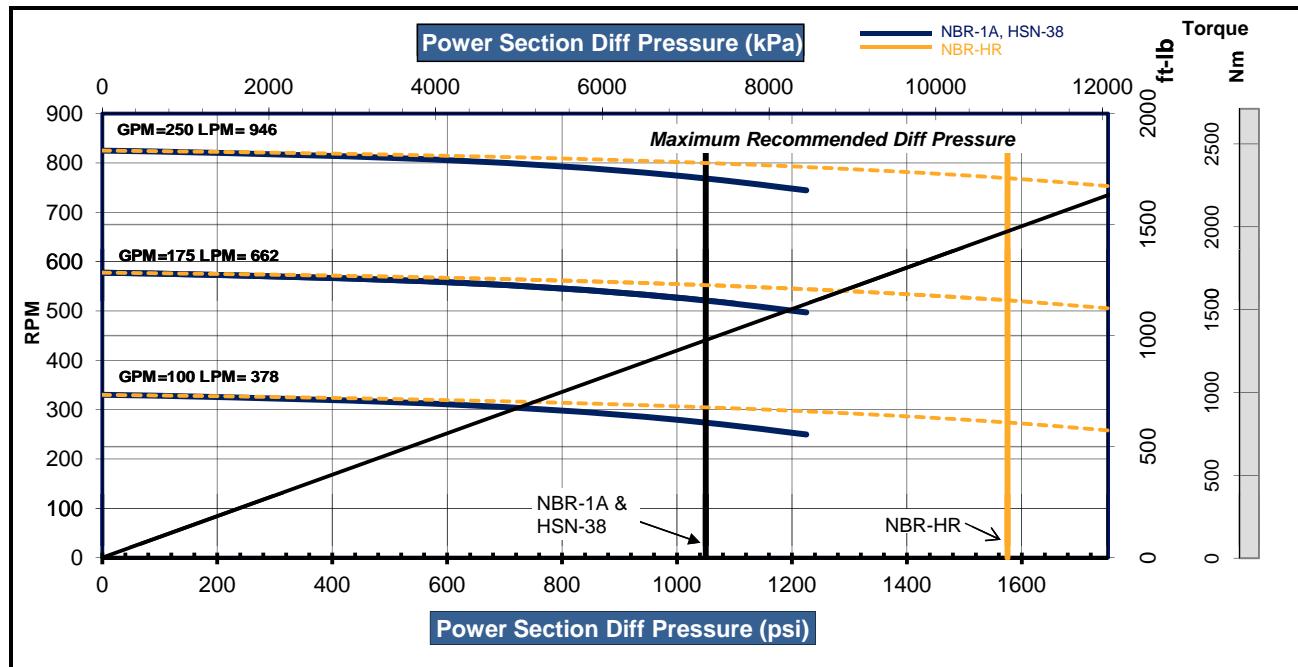
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	1.655 42.04
Oversize	1.695 43.05
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.033 0.84
Oversize	-0.007 -0.18
Second Oversize	

\* Alternate or custom thread forms are available

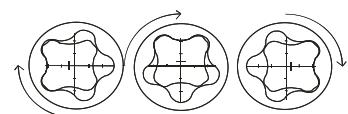


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	1.660 42.16
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.028 0.71
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	0.933 ft-lb/psi 0.183 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Diff Press psi (kPa)	1050 (7240 ) 1580 (10860 )
Rotation	3.300 Rev/Gal 0.872 Rev/Litre	Max Torque ft-lb (Nm)	980 (1320 ) 1470 (1990 )
Speed Range	330 to 830 RPM	Stall Diff Press psi (kPa)	1580 (10860 ) 2360 (16290 )
Off Bottom Press	198 psi 1370 kPa	Stall Torque ft-lb (Nm)	1470 (1990 ) 2200 (2980 )
		Max Recommended HP(kW)	154 (115) 224 (167)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



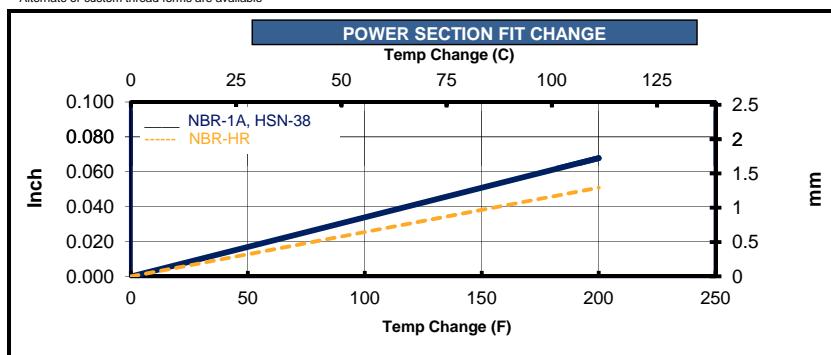
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	246.0	6248
Eccentricity	0.295	7.49
Major Diameter	2.597	65.96
Head Diameter	2.750	69.90
Weight	234 (lbs) 106.1 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes	
	External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	552 (lbs) 250 (kg)	
Number of Stages	8.5	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

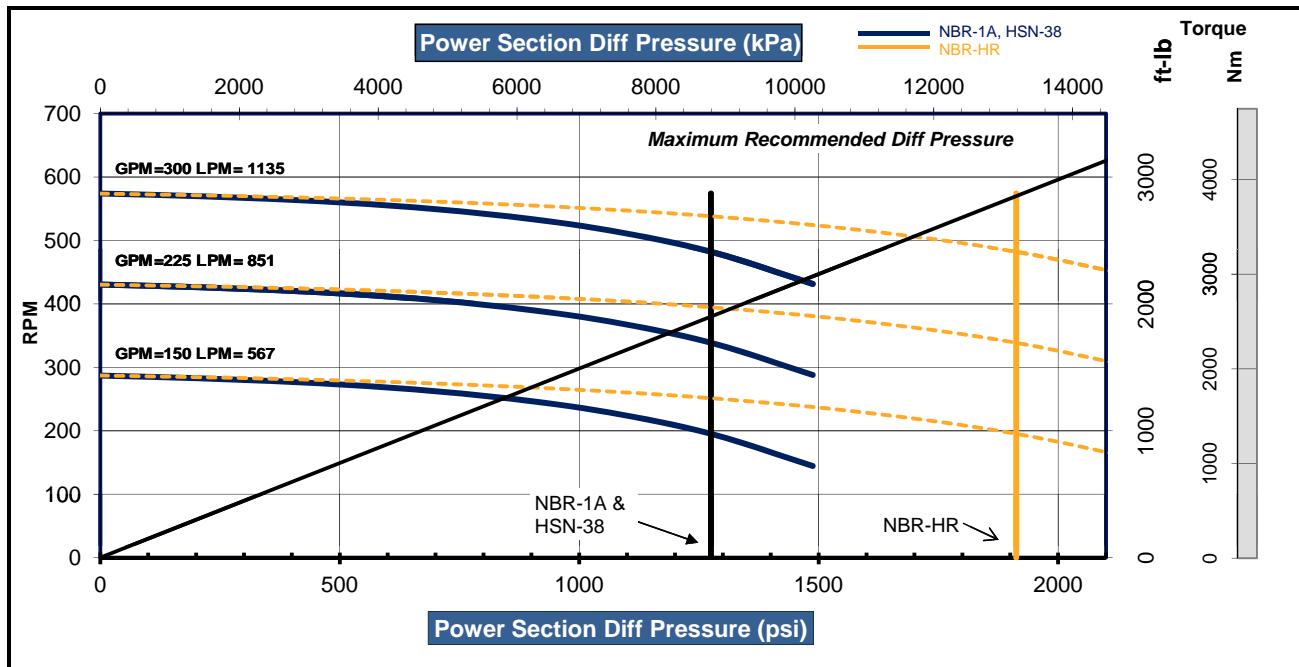
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.010 51.05
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.001 -0.03
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

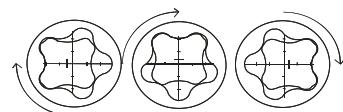


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	2.046 51.97
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	
Oversize	-0.037 -0.94

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	1.490 ft-lb/psi 0.293 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Diff Press psi (kPa)	1280 (8790 )
Rotation	1.913 Rev/Gal 0.505 Rev/Litre	Max Torque ft-lb (Nm)	1910 (13190 )
Speed Range	286 to 580 RPM	Stall Diff Press psi (kPa)	1910 (13190 )
Off Bottom Press	164 psi 1130 kPa	Stall Torque ft-lb (Nm)	2850 (3860 )
		Max Recommended HP(kW)	4270 (5800 )



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



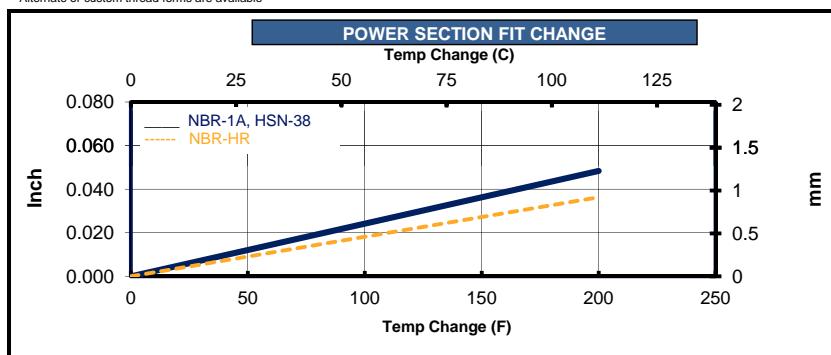
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	107.0	2718
Contour Length	101.0	2565
Eccentricity	0.246	6.25
Major Diameter	2.912	73.96
Head Diameter	2.750	69.90
Weight	120 (lbs) 54.4 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	115.8	2940
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Alternate Length	122	3099
Weight	249 (lbs) 113 (kg)	
Number of Stages	3.5	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

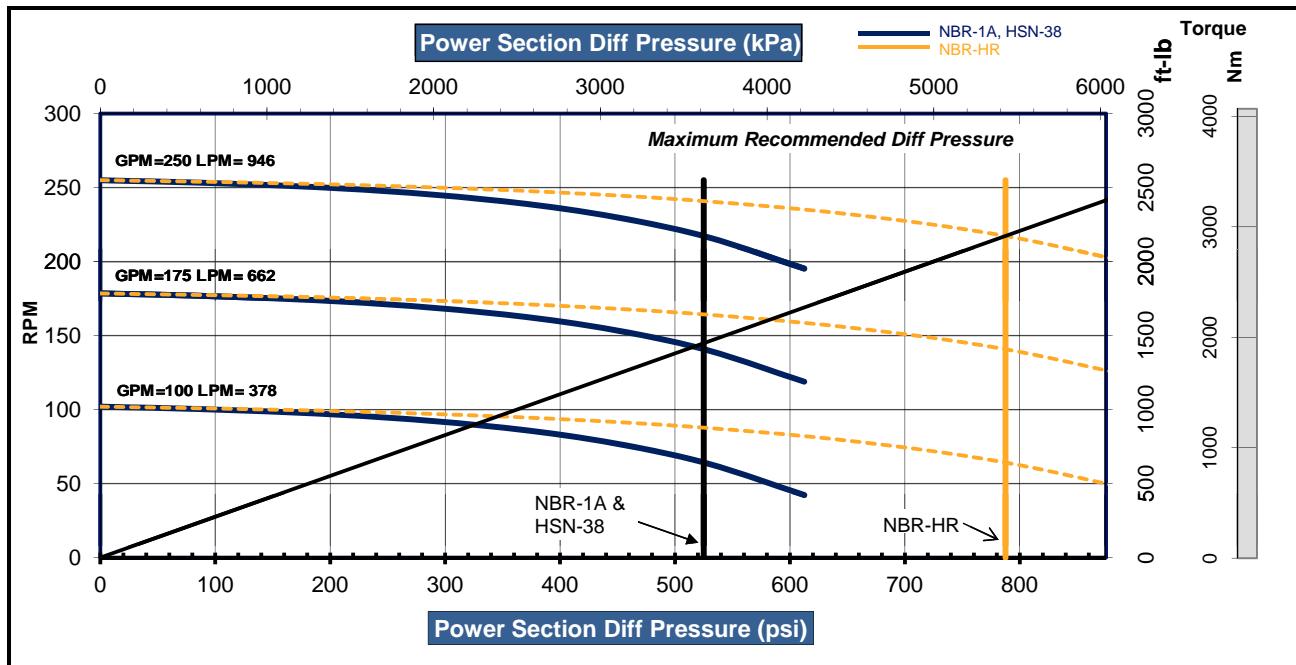
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.415 61.34
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.005 0.13
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

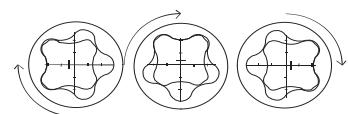


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	2.400 60.96
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.020 0.51
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.759 ft-lb/psi 0.543 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Diff Press psi (kPa)	530 (3620 ) 790 (5430 )
Rotation	1.020 Rev/Gal 0.270 Rev/Litre	Max Torque ft-lb (Nm)	1450 (1970 ) 2170 (2950 )
Speed Range	102 to 260 RPM	Stall Diff Press psi (kPa)	790 (5430 ) 1180 (8140 )
Off Bottom Press	71 psi 490 kPa	Stall Torque ft-lb (Nm)	2170 (2950 ) 3260 (4420 )
		Max Recommended HP(kW)	70 (52) 100 (75)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



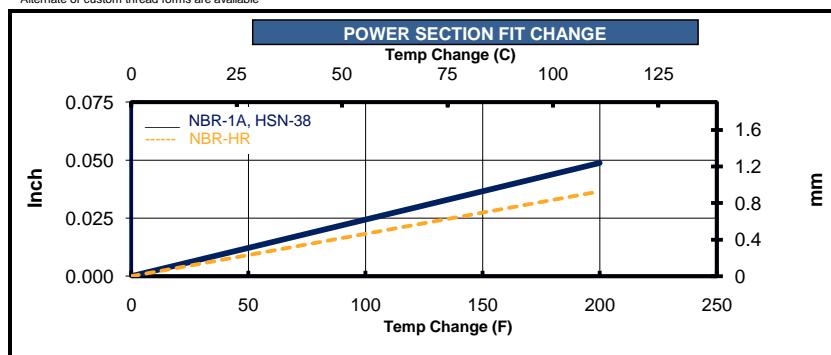
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	179.0	4547
Contour Length	173.0	4394
Eccentricity	0.246	6.25
Major Diameter	2.912	73.96
Head Diameter	2.750	69.90
Weight	197 (lbs) 89.4 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	187.0	4750
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	400 (lbs) 181 (kg)	
Number of Stages	6.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

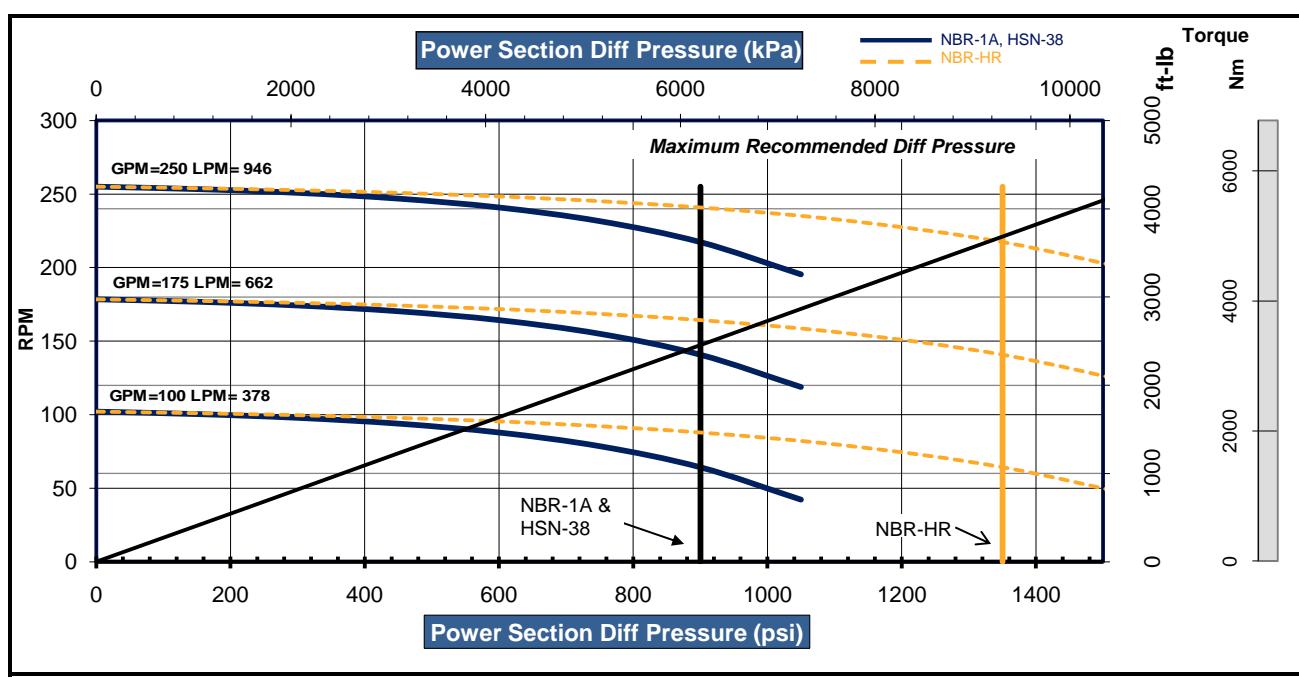
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.405 61.09
Oversize	2.424 61.57
Second Oversize	2.451 62.26
Nominal Fit at 75 F (25 C)	
Standard	0.015 0.38
Oversize	-0.004 -0.10
Second Oversize	-0.031 -0.79

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.408 61.16
Oversize	2.428 61.67
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.012 0.30
Oversize	-0.008 -0.20

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.730 ft-lb/psi 0.537 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Torque ft-lb (Nm)	900 (6210) 1350 (9310)
Rotation	1.020 Rev/Gal 0.270 Rev/Litre	Stall Diff Press psi (kPa)	2460 (3330) 3690 (5000)
Speed Range	102 to 260 RPM	Stall Torque ft-lb (Nm)	1350 (9310) 2030 (13960)
Off Bottom Press	90 psi 620 kPa	Max Recommended HP(kW)	3690 (5000) 5530 (7500)
			119 (89) 169 (126)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

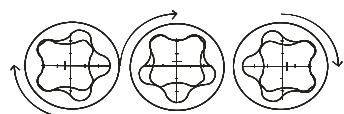
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD475456.3

4.75" 4/5 Lobes 6.3 Stages



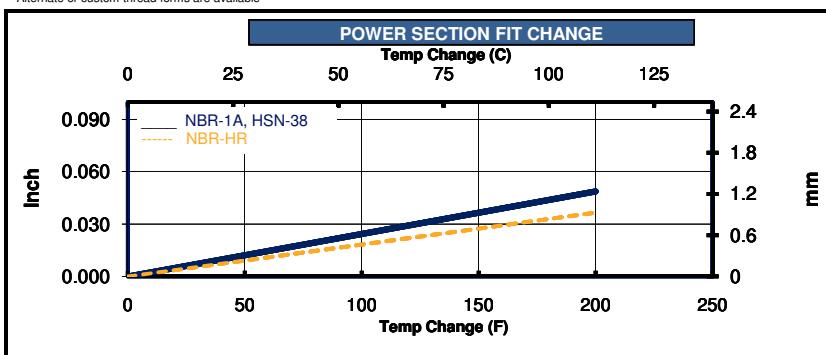
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	188.0	4775
Contour Length	182.0	4623
Eccentricity	0.246	6.25
Major Diameter	2.912	73.96
Head Diameter	2.750	69.90
Weight	220 (lbs) 99.8 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	207.0	5258
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	443 (lbs) 201 (kg)	
Number of Stages	6.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

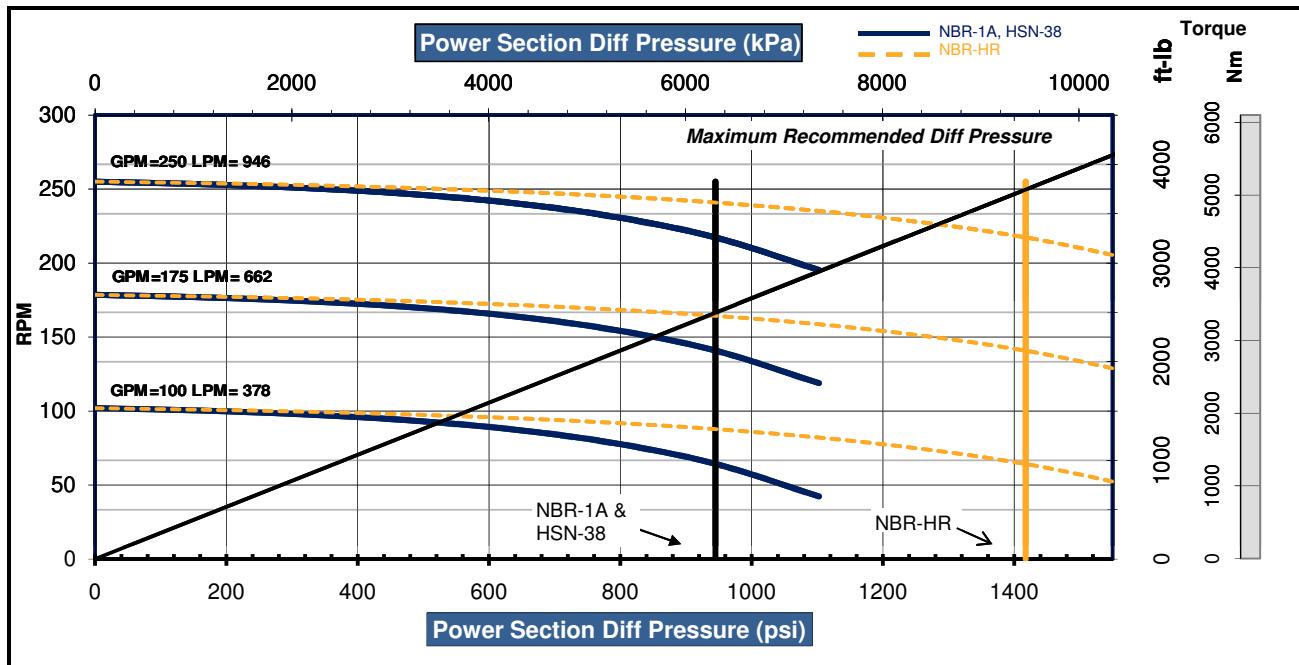
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.411 61.24
Oversize	2.429 61.70
Second Oversize	2.457 62.41
Nominal Fit at 75 F (25 C)	
Standard	0.009 0.23
Oversize	-0.009 -0.23
Second Oversize	-0.037 -0.94

\* Alternate or custom thread forms are available

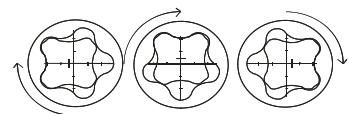


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	2.408 61.16
Standard	2.428 61.67
Nominal Fit at 75 F (25 C)	
Undersize	0.012 0.30
Standard	-0.008 -0.20

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.730 ft-lb/psi 0.537 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Diff Press psi (kPa)	950 (6520 ) 1420 (9770 )
Rotation	1.020 Rev/Gal 0.270 Rev/Litre	Max Torque ft-lb (Nm)	2580 (3500 ) 3870 (5250 )
Speed Range	102 to 260 RPM	Stall Diff Press psi (kPa)	1420 (9770 ) 2130 (14660 )
Off Bottom Press	88 psi 610 kPa	Stall Torque ft-lb (Nm)	3870 (5250 ) 5800 (7870 )
		Max Recommended HP(kW)	125 (93) 177 (132)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



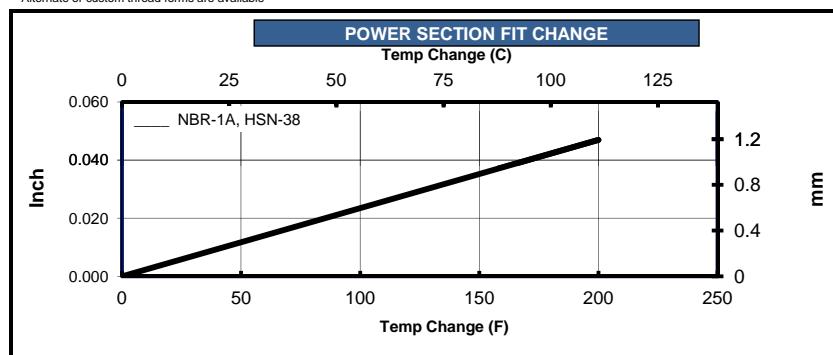
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.0	5588
Contour Length	214.3	5442
Eccentricity	0.223	5.66
Major Diameter	2.916	74.07
Head Diameter	2.750	69.90
Weight	257 (lbs) 116.6 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes	
	External Flush Mod	

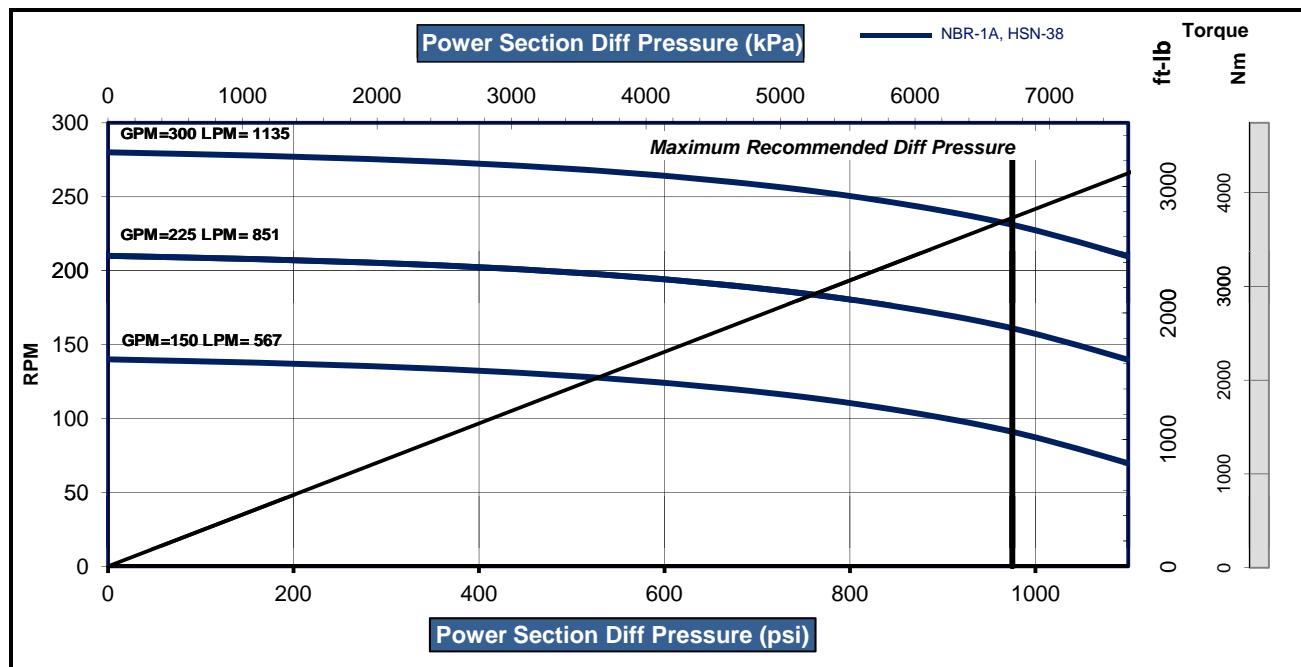
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.3	5823
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	403 (lbs) 183 (kg)	
Number of Stages	6.5	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.479	62.97
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.010	-0.25
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.820 ft-lb/psi 0.555 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Diff Press psi (kPa)	980 (6720 )
Rotation	0.933 Rev/Gal 0.247 Rev/Litre	Max Torque ft-lb (Nm)	2750 (3730 )
Speed Range	139 to 280 RPM	Stall Diff Press psi (kPa)	1460 (10080 )
Off Bottom Press	110 psi 760 kPa	Stall Torque ft-lb (Nm)	4120 (5600 )
		Max Recommended HP(kW)	147 (109)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

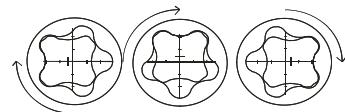
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD475564.0

4.75" 5/6 Lobes 4 Stages



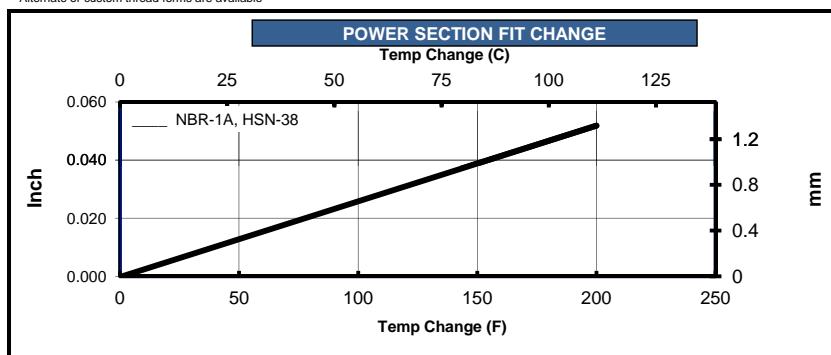
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	137.5	3493
Contour Length	132.0	3353
Eccentricity	0.196	4.98
Major Diameter	2.820	71.63
Head Diameter	3.120	79.20
Weight	140 (lbs) 63.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes	
	External Flush Mod	

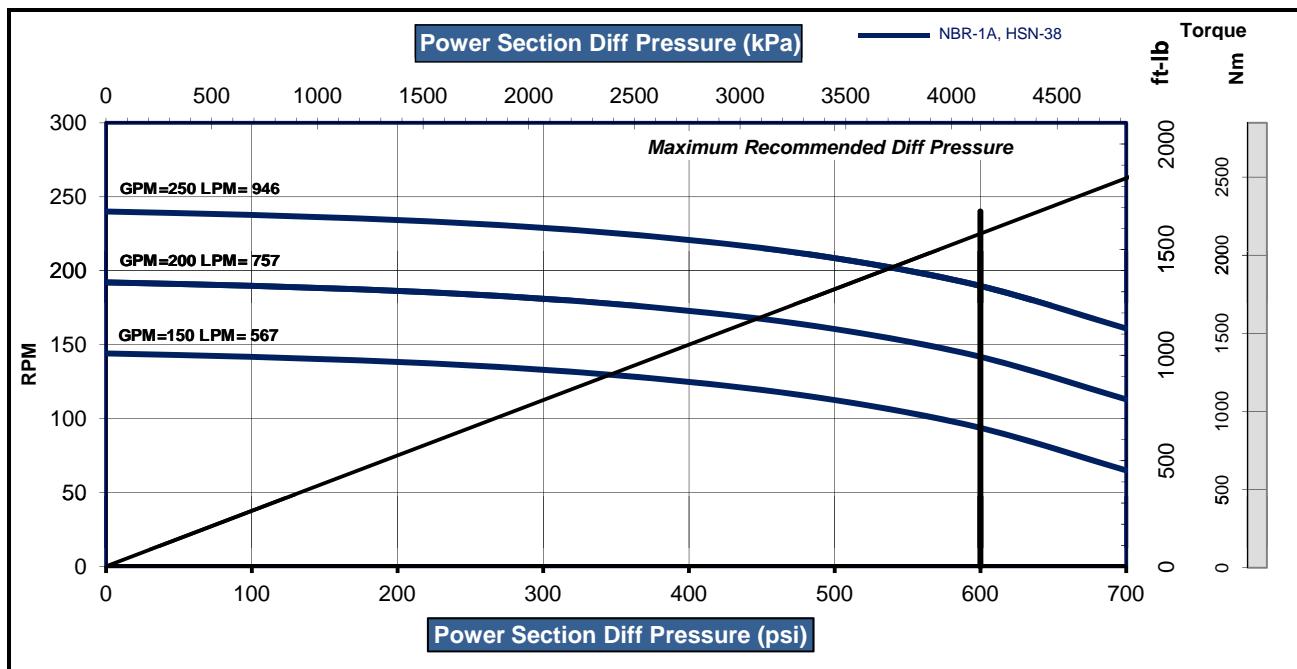
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	143.0	3632
Rubber Cut Back	6.5	165
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	190 (lbs) 86 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.450	62.23
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.022	-0.56
Oversize		
Double Oversize		

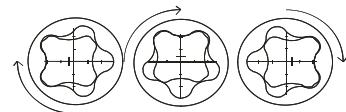
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.625 ft-lb/psi 0.516 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	150 to 250 GPM 570 to 950 Litre/min	Max Diff Press psi (kPa)	600 (4140 )
Rotation	0.960 Rev/Gal 0.254 Rev/Litre	Max Torque ft-lb (Nm)	1580 (2130 )
Speed Range	144 to 240 RPM	Stall Diff Press psi (kPa)	900 (6210 )
Off Bottom Press	96 psi 660 kPa	Stall Torque ft-lb (Nm)	2360 (3200 )
		Max Recommended HP(kW)	72 (54)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



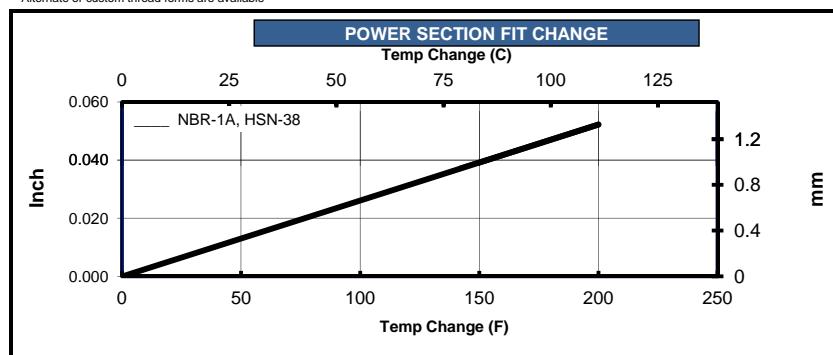
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	178.0	4521
Contour Length	172.3	4375
Eccentricity	0.211	5.36
Major Diameter	2.954	75.03
Head Diameter	2.750	69.90
Weight	219 (lbs) 99.3 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes	
	External Flush Mod	

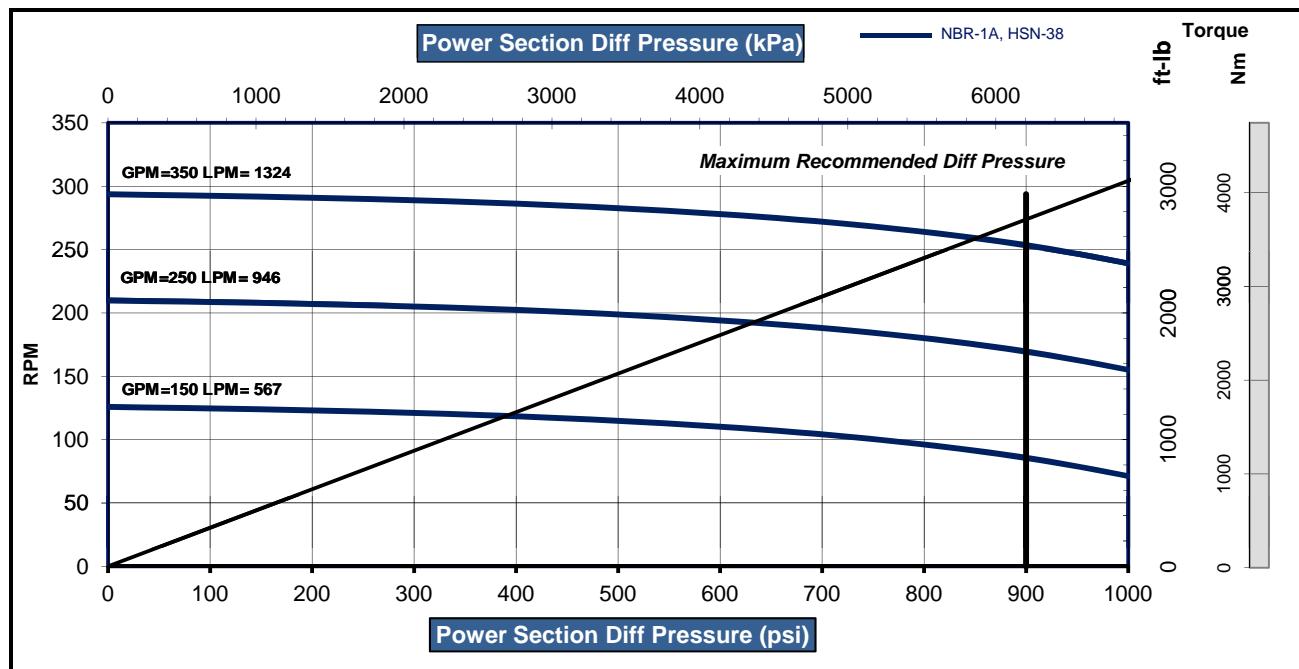
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	198.0	5029
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.88	98.6
Weight	371 (lbs) 168 (kg)	
Number of Stages	6.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.530	64.26
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.002	0.05
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	3.042 ft-lb/psi 0.598 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	150 to 350 GPM 570 to 1320 Litre/min	Max Torque ft-lb (Nm)	900 (6210 )
Rotation	0.839 Rev/Gal 0.222 Rev/Litre	Stall Diff Press psi (kPa)	2740 (3710 )
Speed Range	125 to 300 RPM	Stall Torque ft-lb (Nm)	1350 (9310 )
Off Bottom Press	110 psi 760 kPa	Max Recommended HP(kW)	4110 (5570 )
			153 (114)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

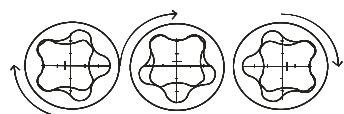
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD475566.7

4.75" 5/6 Lobes 6.7 Stages



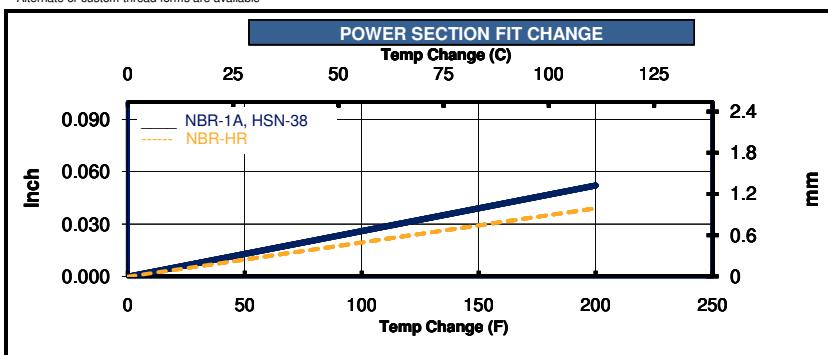
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	178.0	4521
Contour Length	172.3	4375
Eccentricity	0.211	5.36
Major Diameter	2.954	75.03
Head Diameter	2.750	69.90
Weight	219 (lbs) 99.3 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	198.0	5029
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.88	98.4
Weight	371 (lbs) 168 (kg)	
Number of Stages	6.70	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

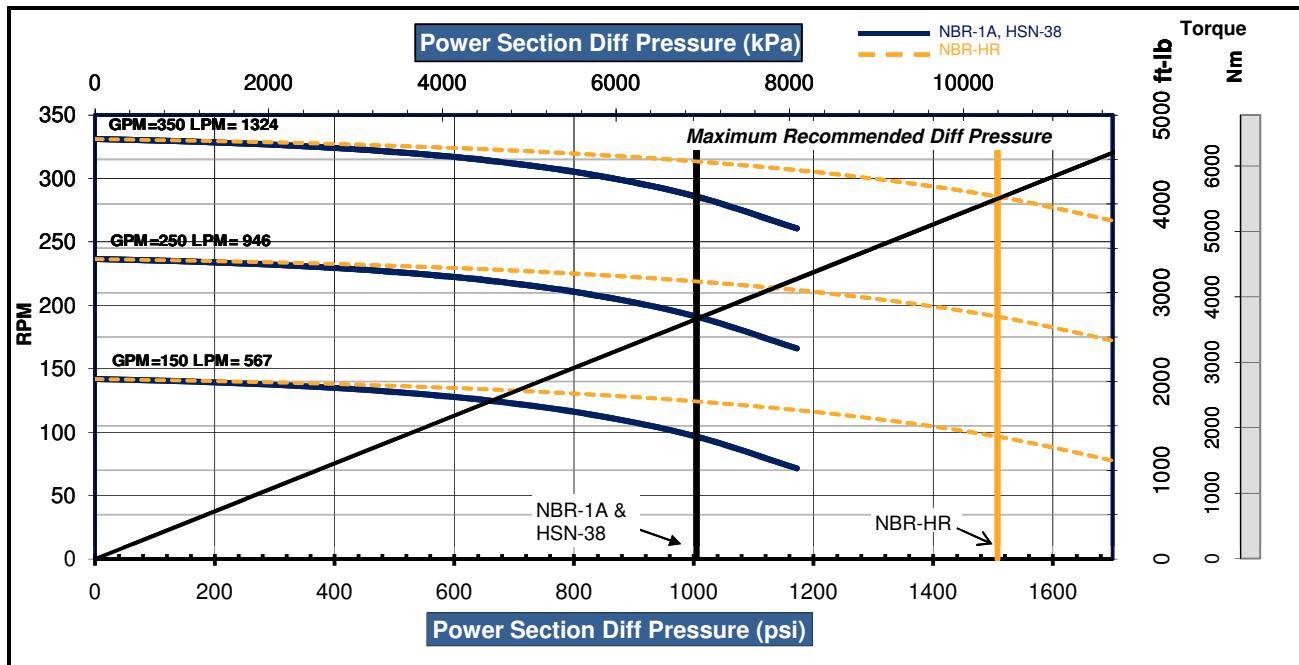
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.530 64.26
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.002 0.05
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

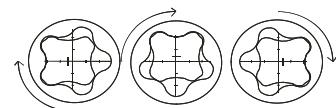


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	2.544 64.62
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	
Oversize	-0.012 -0.30

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.691 ft-lb/psi 0.529 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 350 GPM 570 to 1320 Litre/min	Max Diff Press psi (kPa)	1010 (6930 ) 1510 (10390 )
Rotation	0.946 Rev/Gal 0.250 Rev/Litre	Max Torque ft-lb (Nm)	2700 (3670 ) 4060 (5500 )
Speed Range	141 to 340 RPM	Stall Diff Press psi (kPa)	1510 (10390 ) 2260 (15590 )
Off Bottom Press	122 psi 840 kPa	Stall Torque ft-lb (Nm)	4060 (5500 ) 6090 (8250 )
		Max Recommended HP(kW)	170 (127) 242 (181)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



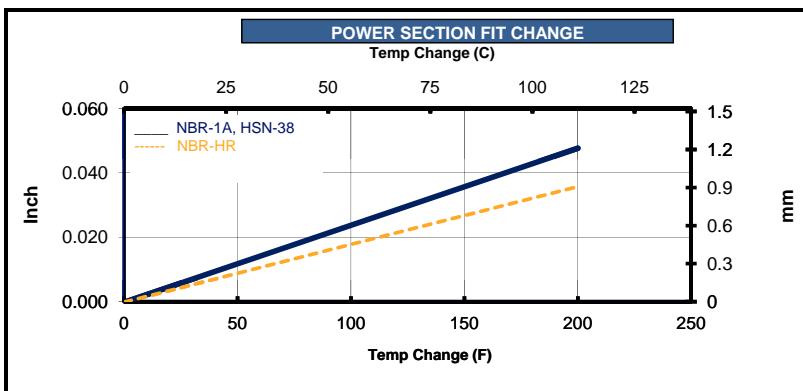
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.4	5827
Contour Length	223.4	5674
Eccentricity	0.207	5.26
Major Diameter	2.916	74.07
Head Diameter	2.750	69.90
Weight	275 (lbs) 124.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes	
	External Flush Mod	

\* Alternate or custom thread forms are available

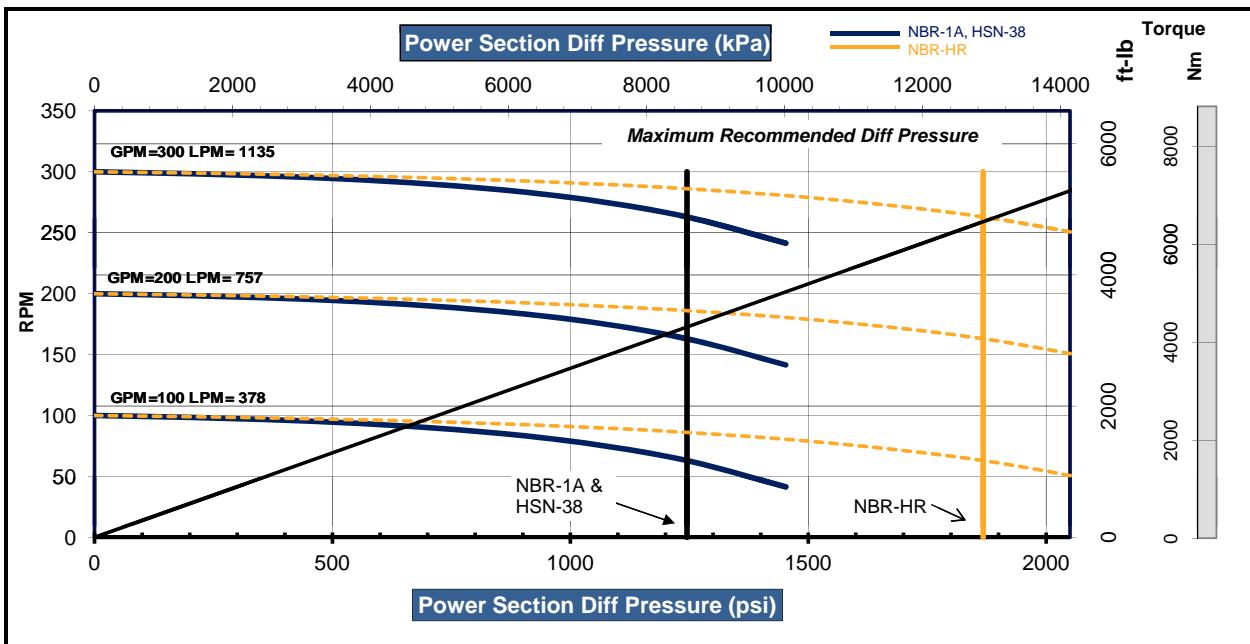
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	242.6	6162
Rubber Cut Back	8.3	211
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	505 (lbs) 229 (kg)	
Number of Stages	8.3	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.489 63.22
Oversize	2.517 63.93
Second Oversize	
Third Oversize	2.540 64.52
Nominal Fit at 75 F (25 C)	
Standard	0.013 0.33
Oversize	-0.015 -0.38
Second Oversize	
Third Oversize	-0.038 -0.97

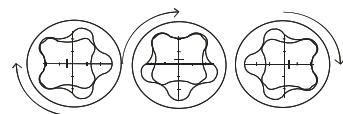


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.489 63.22
Oversize	2.513 63.83
Second Oversize	2.525 64.14
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	-0.011 -0.28
Second Oversize	-0.023 -0.58

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.576 ft-lb/psi 0.507 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 300 GPM 380 to 1140 Litre/min	Max Diff Press psi (kPa)	1250 (8580 )
Rotation	1.000 Rev/Gal 0.264 Rev/Litre	Max Torque ft-lb (Nm)	3210 (4350 )
Speed Range	100 to 300 RPM	Stall Diff Press psi (kPa)	1870 (12880 )
Off Bottom Press	116 psi 800 kPa	Stall Torque ft-lb (Nm)	4810 (6530 )
		Max Recommended HP(kW)	7220 (9790 )
			183 (137)
			262 (195)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



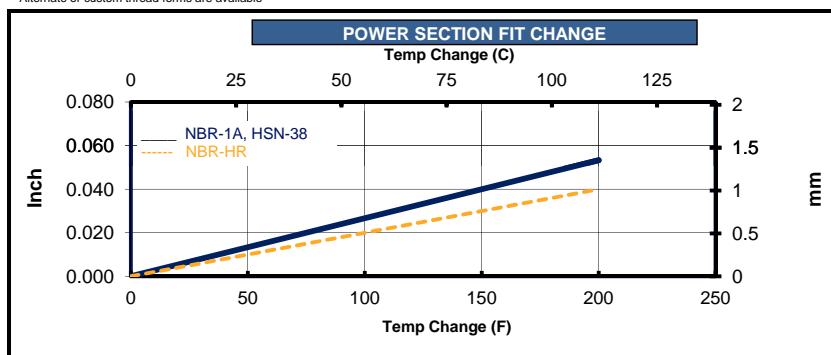
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	172.5	4382
Contour Length	166.8	4236
Eccentricity	0.163	4.14
Major Diameter	2.798	71.07
Head Diameter	2.990	75.90
Weight	278 (lbs) 126.1 (kg)	
Material	14-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	180.5	4585
Rubber Cut Back	7.5	191
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	379 (lbs) 172 (kg)	
Number of Stages	2.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

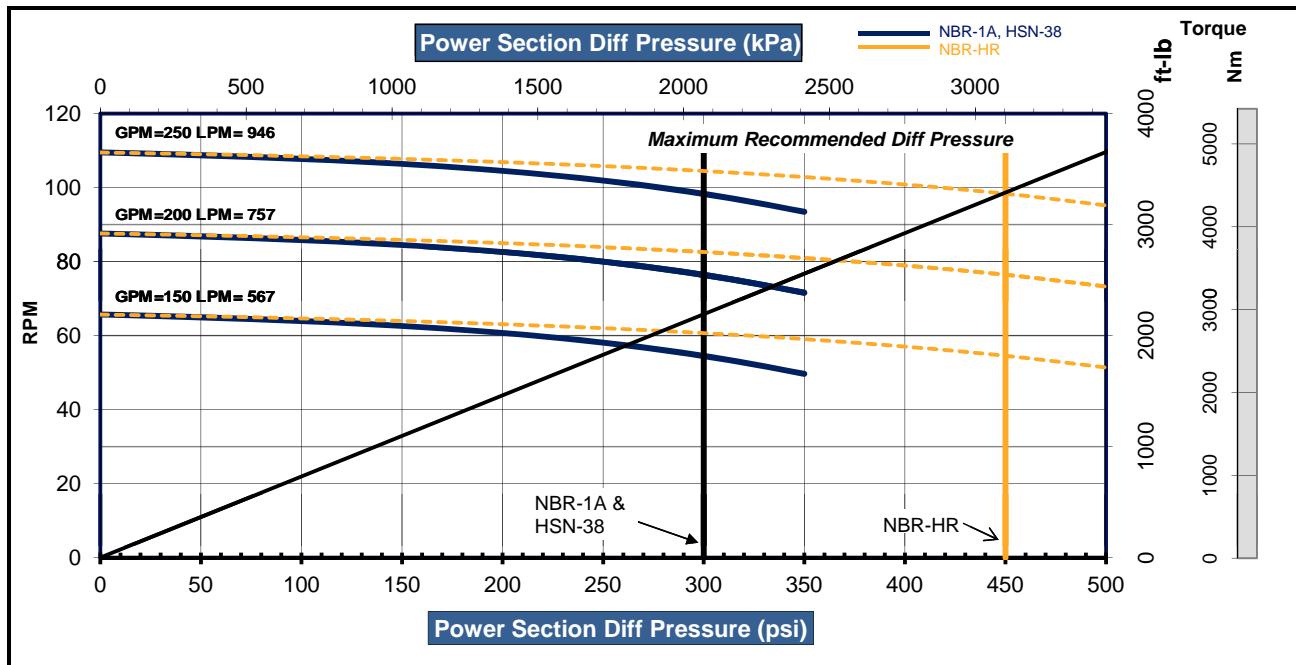
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	2.473 62.81
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.001
Oversize	0.03
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.453 62.31
Oversize	2.513 63.83
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.021 0.53
Oversize	-0.039 -0.99

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.308 ft-lb/psi 1.437 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 250 GPM 570 to 950 Litre/min	Max Diff Press psi (kPa)	300 (2070 ) 450 (3100 )
Rotation	0.438 Rev/Gal 0.116 Rev/Litre	Max Torque ft-lb (Nm)	2190 (2970 ) 3290 (4460 )
Speed Range	65 to 110 RPM	Stall Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Off Bottom Press	55 psi 380 kPa	Stall Torque ft-lb (Nm)	3290 (4460 ) 4930 (6690 )
		Max Recommended HP(kW)	46 (34) 65 (48)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

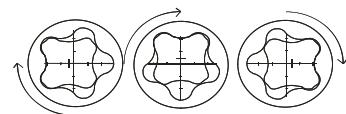
Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel: (403) 206-3052 Fax: (403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD475782.1

4.75" 7/8 Lobes 2.1 Stages



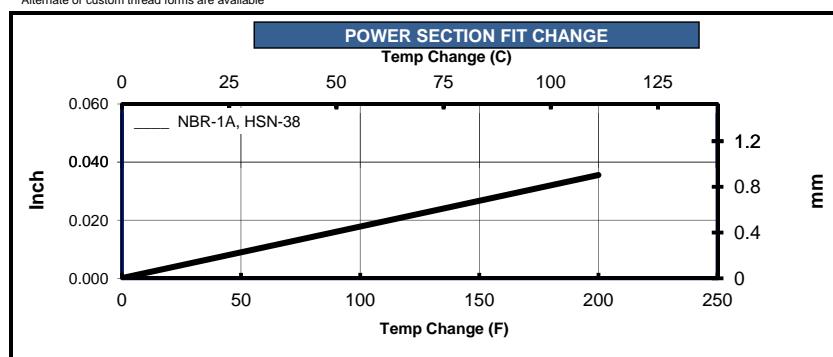
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	178.0	4521
Contour Length	172.3	4375
Eccentricity	0.175	4.45
Major Diameter	3.115	79.12
Head Diameter	2.750	69.90
Weight	290 (lbs) 131.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush	

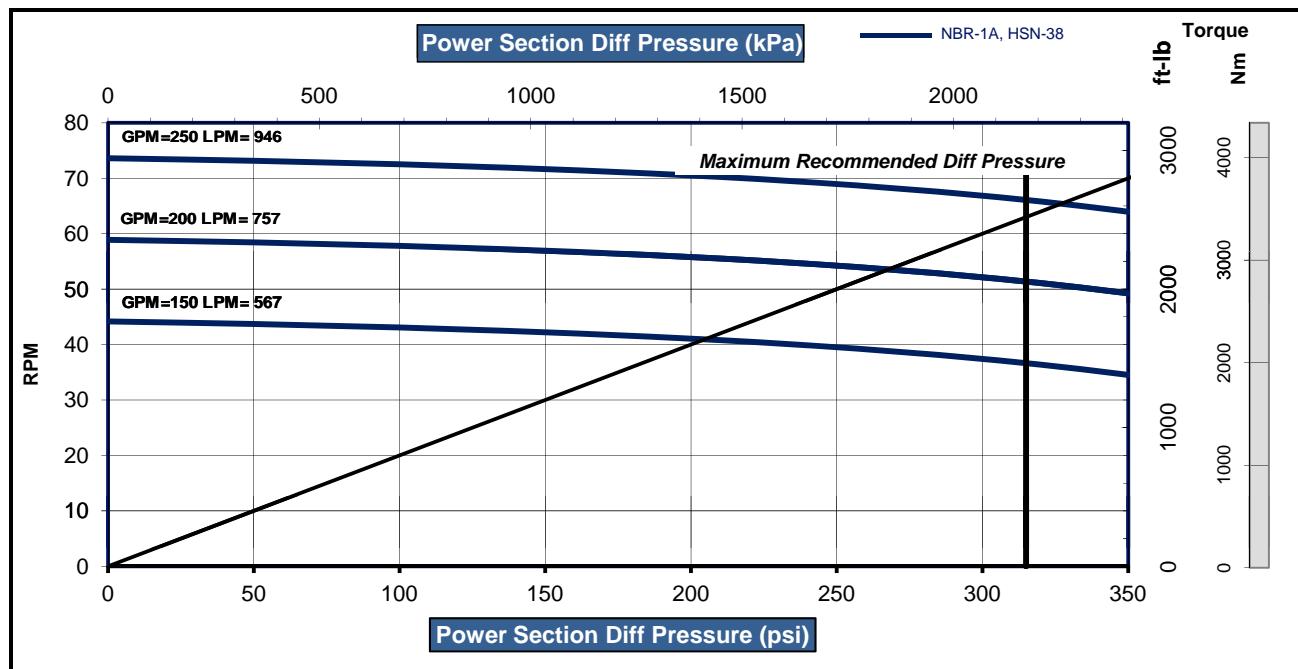
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	187.0	4750
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	399 (lbs) 181 (kg)	
Number of Stages	2.1	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.752	69.90
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.012	0.31
Oversize		
Double Oversize		

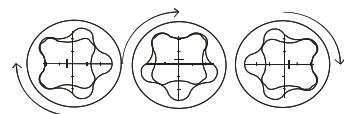
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.999 ft-lb/psi 1.573 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	150 to 250 GPM 570 to 950 Litre/min	Max Diff Press psi (kPa)	320 (2170 )
Rotation	0.294 Rev/Gal 0.078 Rev/Litre	Max Torque ft-lb (Nm)	2520 (3420 )
Speed Range	44 to 74 RPM	Stall Diff Press psi (kPa)	470 (3260 )
Off Bottom Press	222 psi 1530 kPa	Stall Torque ft-lb (Nm)	3780 (5120 )
		Max Recommended HP(kW)	35 (26)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



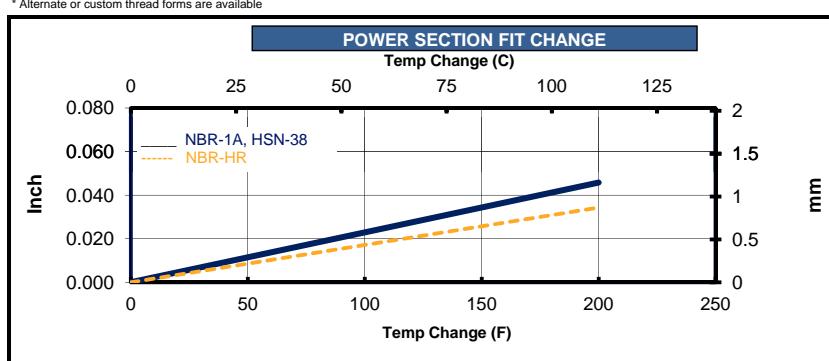
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	107.0	2718
Contour Length	101.0	2565
Eccentricity	0.168	4.27
Major Diameter	2.936	74.57
Head Diameter	2.750	69.90
Weight	136 (lbs) 61.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes	
	External Flush Mod	

\* Alternate or custom thread forms are available.

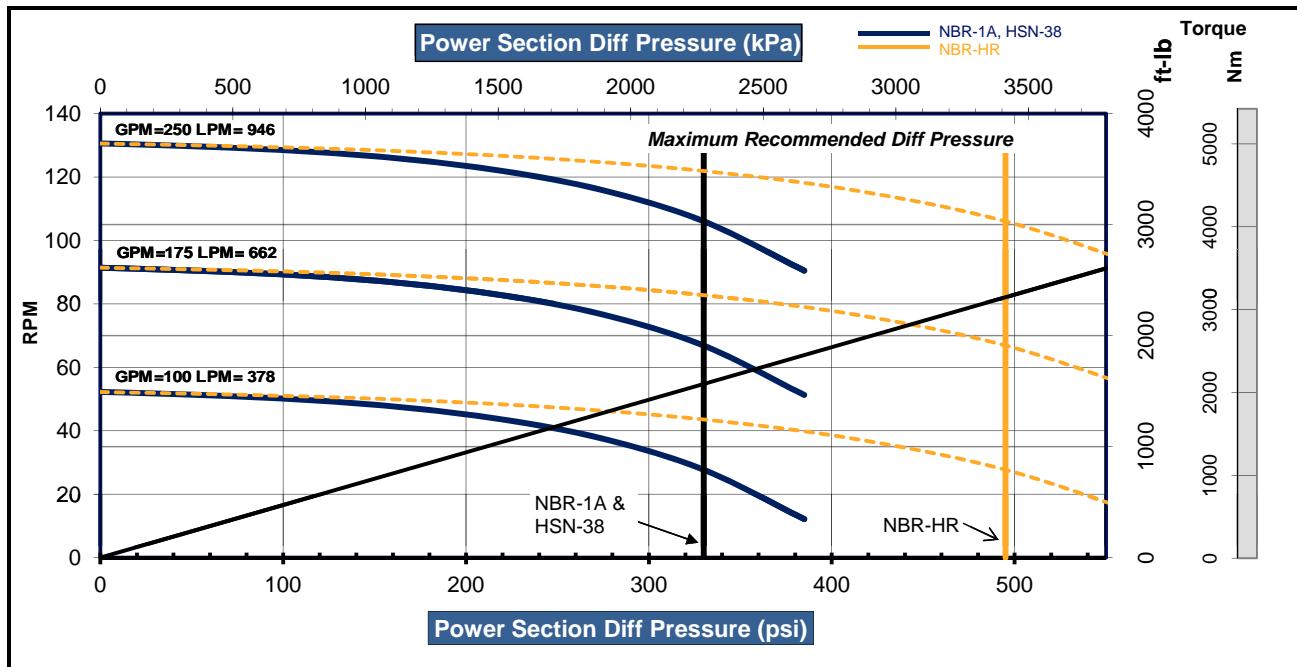
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	115.8	2940
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Alternate Length	122	3099
Weight	236 (lbs) 107 (kg)	
Number of Stages	2.2	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.581 65.56
Oversize	2.602 66.09
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	-0.002 -0.05
Second Oversize	



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	2.570 65.28
Standard	2.584 65.63
Second Oversize	2.625 66.68
Nominal Fit at 75 F (25 C)	
Undersize	0.030 0.76
Standard	0.016 0.41
Second Oversize	-0.025 -0.64

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	4.738 ft-lb/psi 0.932 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Diff Press psi (kPa)	330 (2280 )
Rotation	0.522 Rev/Gal 0.138 Rev/Litre	Max Torque ft-lb (Nm)	1560 (2120 )
Speed Range	52 to 140 RPM	Stall Diff Press psi (kPa)	500 (3410 )
Off Bottom Press	52 psi 360 kPa	Stall Torque ft-lb (Nm)	2350 (3180 )
		Max Recommended HP(kW)	39 (29) 54 (40)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



[www.dyna-drill.com](http://www.dyna-drill.com)

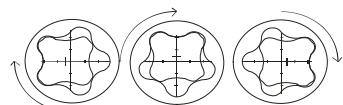
USA: 23400 Colonial Parkway, Katy, TX 77493 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E., 2802-5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-

Model No: DD475782.2 SLOW

4.75" 7/8 Lobes 2.2 Stages



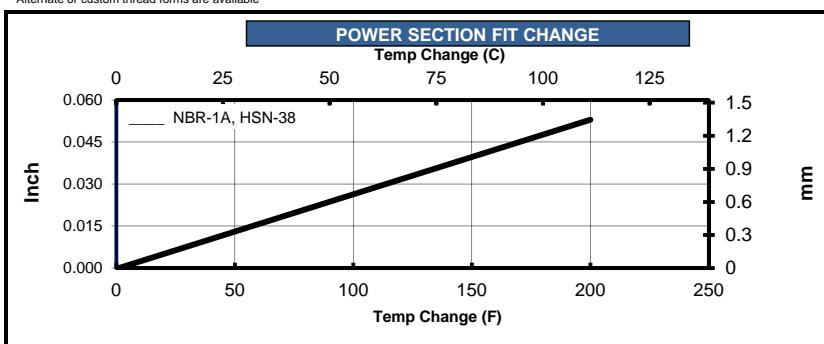
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	191.0	4851
Contour Length	185.0	4699
Eccentricity	0.16125	4.1
Major Diameter	2.805	71.25
Head Diameter	2.830	71.90
Weight	N/A (lbs)	N/A (kg)
Material	17-4SS	
Thread Form*	2 3/8 Hughes	
	External Flush Mod	

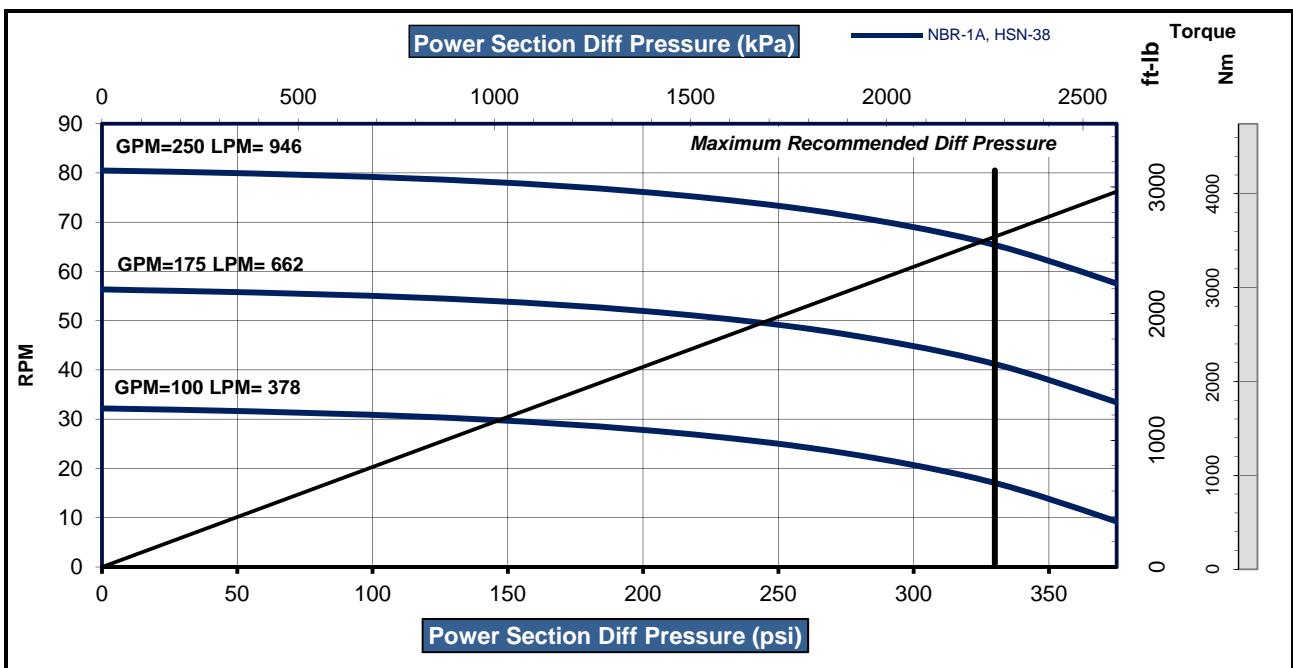
\* Alternate or custom thread forms are available

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	198.0	5029
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	N/A (lbs)	N/A (kg)
Number of Stages	2.2	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

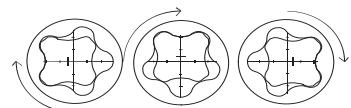
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	2.482 63.04
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	
Oversize	0.000 0.00
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	
Torque Slope	7.903 ft-lb/psi 1.554 Nm/kPa	Max Diff Press psi (kPa)	330 (2280 )
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Torque ft-lb (Nm)	2610 (3540 )
Rotation	0.322 Rev/Gal 0.085 Rev/Litre	Stall Diff Press psi (kPa)	500 (3410 )
Speed Range	32 to 81 RPM	Stall Torque ft-lb (Nm)	3910 (5300 )
Off Bottom Press	36 psi 250 kPa	Max Recommended HP(kW)	40 (30)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



## POWER SECTION

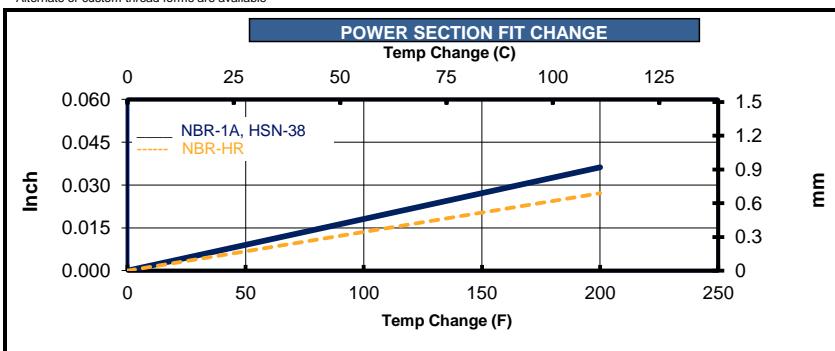
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.0	5588
Contour Length	214.3	5442
Eccentricity	0.174	4.41
Major Diameter	3.095	78.61
Head Diameter	2.750	69.90
Weight	323 (lbs) 146.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

\* Alternate or custom thread forms are available

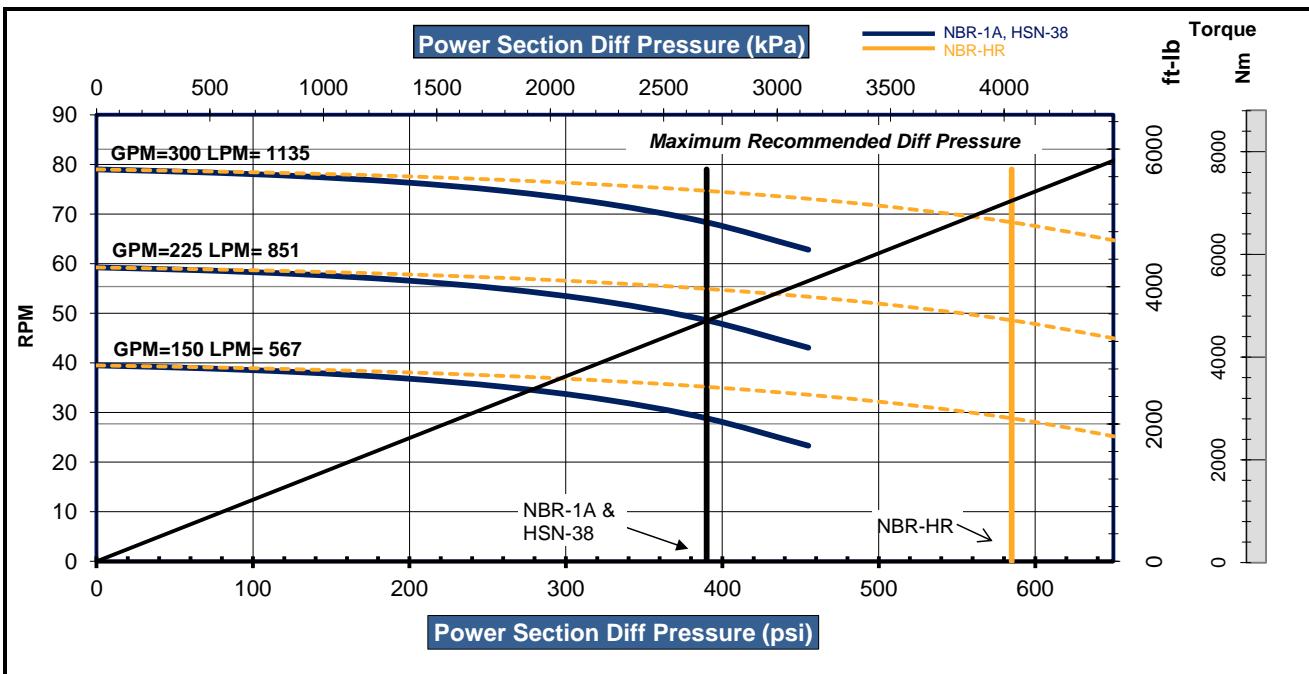
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.3	5823
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	396 (lbs) 180 (kg)	
Number of Stages	2.6	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.738 69.55
Oversize	2.762 70.15
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.010 0.25
Oversize	-0.014 -0.36
Double Oversize	

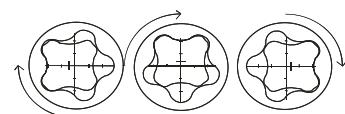
FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	2.722 69.14
Standard	2.746 69.75
Oversize	2.758 70.05
Double Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.026 0.66
Standard	0.002 0.05
Oversize	-0.010 -0.25
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.974 ft-lb/psi 1.765 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Diff Press psi (kPa)	390 (2690 ) 590 (4030 )
Rotation	0.263 Rev/Gal 0.070 Rev/Litre	Max Torque ft-lb (Nm)	3500 (4750 ) 5250 (7120 )
Speed Range	39 to 79 RPM	Stall Diff Press psi (kPa)	590 (4030 ) 880 (6050 )
Off Bottom Press	45 psi 310 kPa	Stall Torque ft-lb (Nm)	5250 (7120 ) 7880 (10680 )
		Max Recommended HP(kW)	53 (39) 75 (56)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



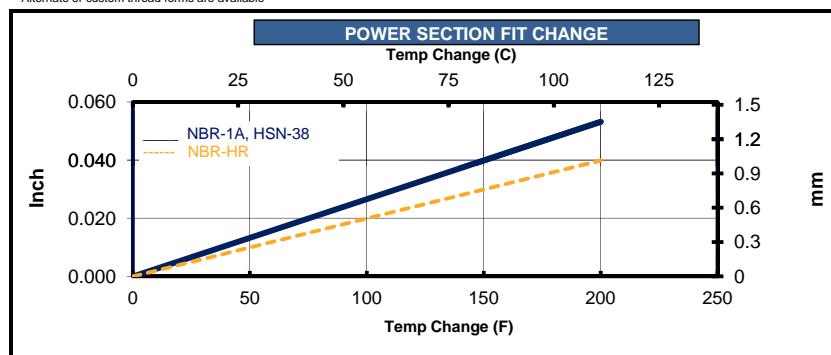
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	242.0	6147
Contour Length	236.3	6001
Eccentricity	0.163	4.14
Major Diameter	2.798	71.07
Head Diameter	2.990	75.90
Weight	390 (lbs) 176.9 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	250.0	6350
Rubber Cut Back	7.5	191
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	525 (lbs) 238 (kg)	
Number of Stages	2.9	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

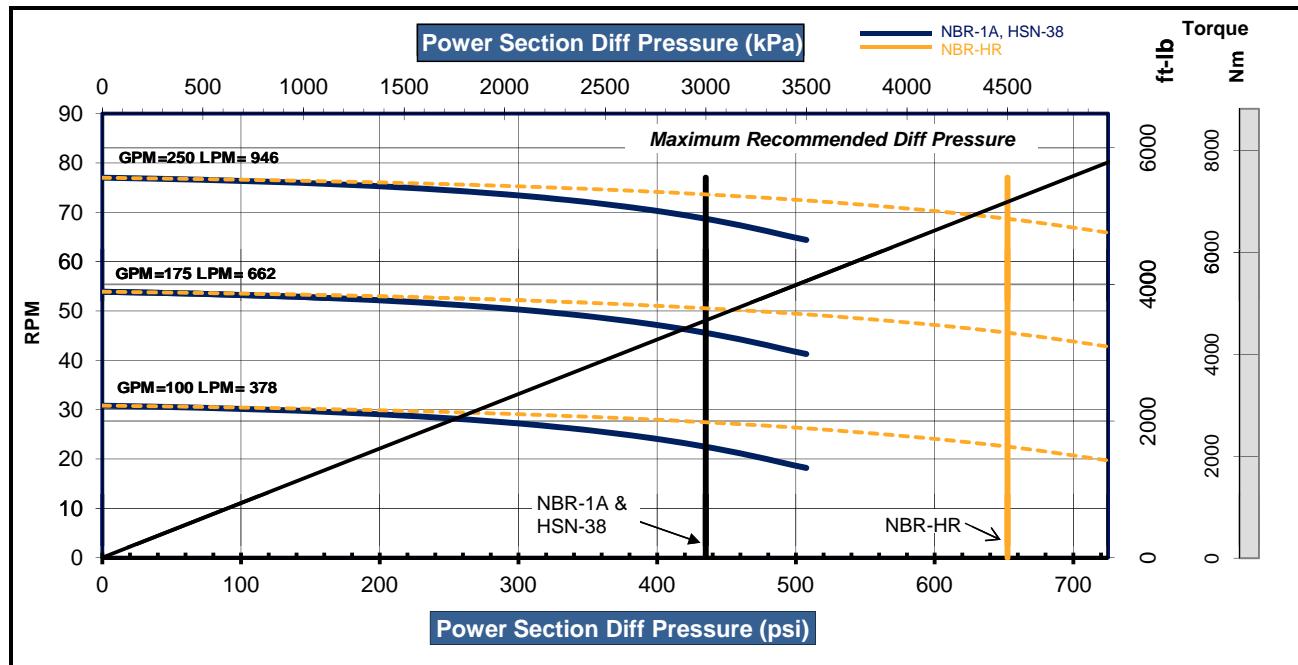
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	2.480 62.99
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.006
Oversize	-0.15
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.465 62.61
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.009 0.23
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.981 ft-lb/psi 1.569 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Diff Press psi (kPa)	440 (3000 ) 650 (4500 )
Rotation	0.308 Rev/Gal 0.081 Rev/Litre	Max Torque ft-lb (Nm)	3470 (4710 ) 5210 (7060 )
Speed Range	30 to 77 RPM	Stall Diff Press psi (kPa)	650 (4500 ) 980 (6750 )
Off Bottom Press	39 psi 270 kPa	Stall Torque ft-lb (Nm)	5210 (7060 ) 7810 (10590 )
		Max Recommended HP(kW)	51 (38) 73 (54)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

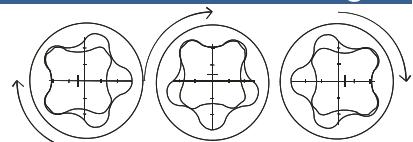
# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255  
 Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833  
 Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053  
 Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

Model No: DD475783.1

4.75" 7/8 Lobes 3.1 Stages

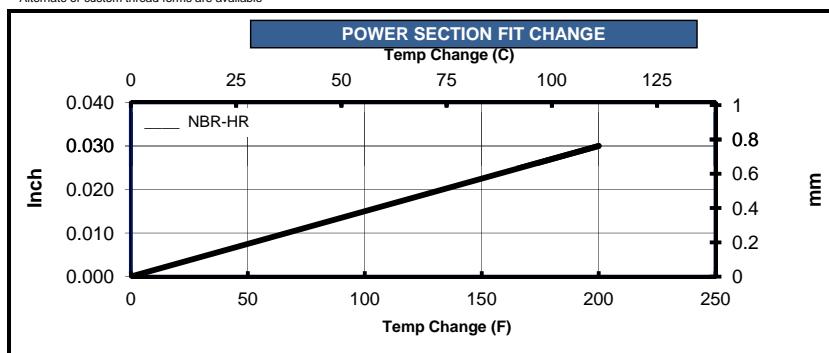


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.0	5817
Contour Length	223.0	5664
Eccentricity	0.168	4.27
Major Diameter	3.024	76.81
Head Diameter	2.750	69.90
Weight	371 (lbs) 168.3 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

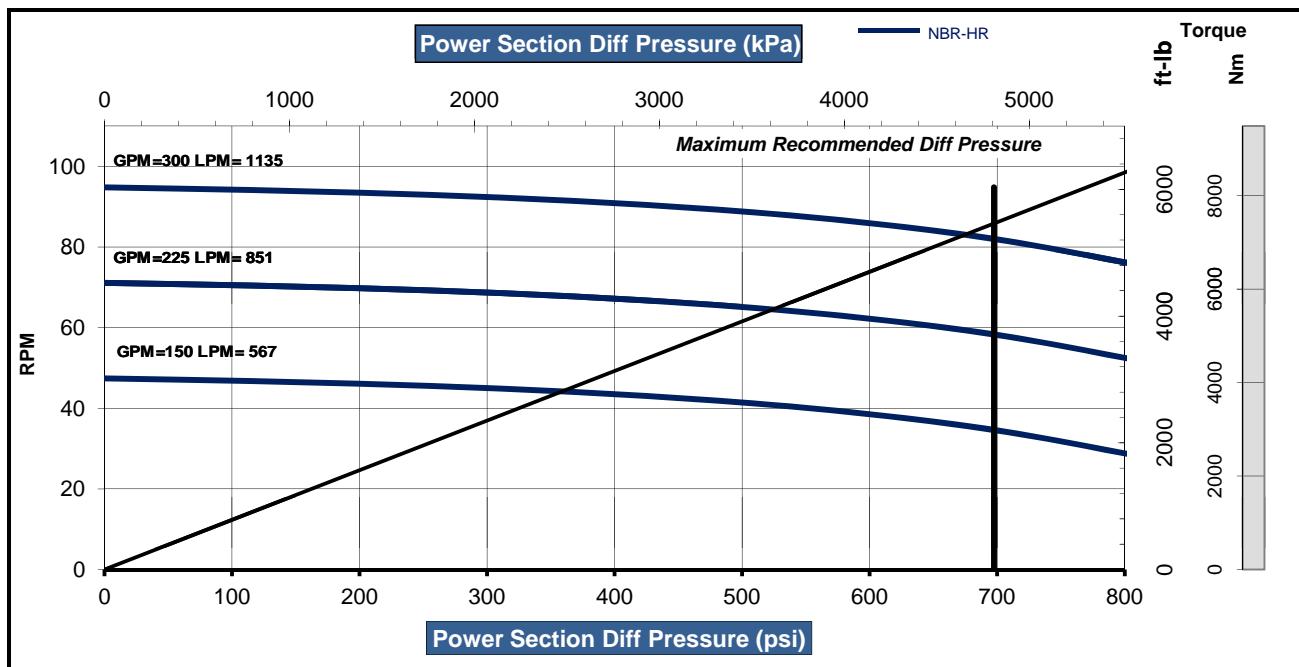
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	238.0	6045
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	487 (lbs) 221 (kg)	
Number of Stages	3.1	
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	2.678 68.02
Standard	2.678 68.02
Oversize	
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	0.010 0.25
Standard	0.010 0.25
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.831 ft-lb/psi 1.540 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 700 (4810 )
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Torque ft-lb (Nm)	5460 (7410 )
Rotation	0.316 Rev/Gal 0.084 Rev/Litre	Stall Diff Press psi (kPa)	1050 (7210 )
Speed Range	47 to 95 RPM	Stall Torque ft-lb (Nm)	8190 (11110 )
Off Bottom Press	52 psi 360 kPa	Max Recommended HP(kW)	93 (69)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



[www.dyna-drill.com](http://www.dyna-drill.com)

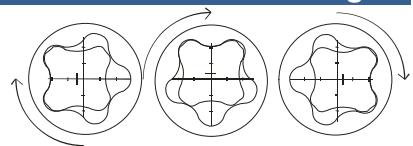
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

Model No: DD475783.7

4.75" 7/8 Lobes 3.7 Stages

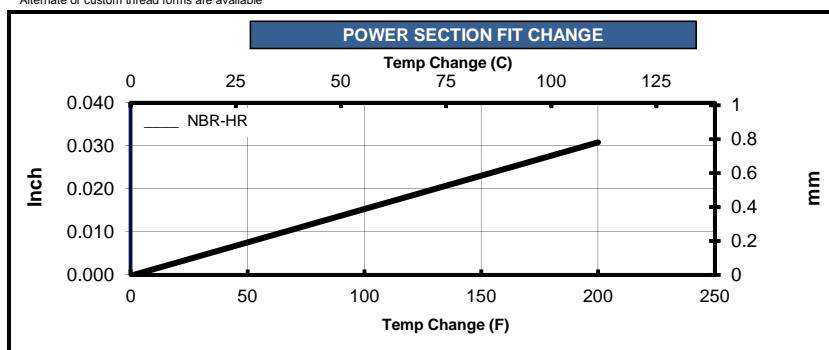


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	214.8	5456
Contour Length	208.8	5304
Eccentricity	0.177	4.48
Major Diameter	3.122	79.30
Head Diameter	3.250	82.60
Weight	356 (lbs) 161.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush	

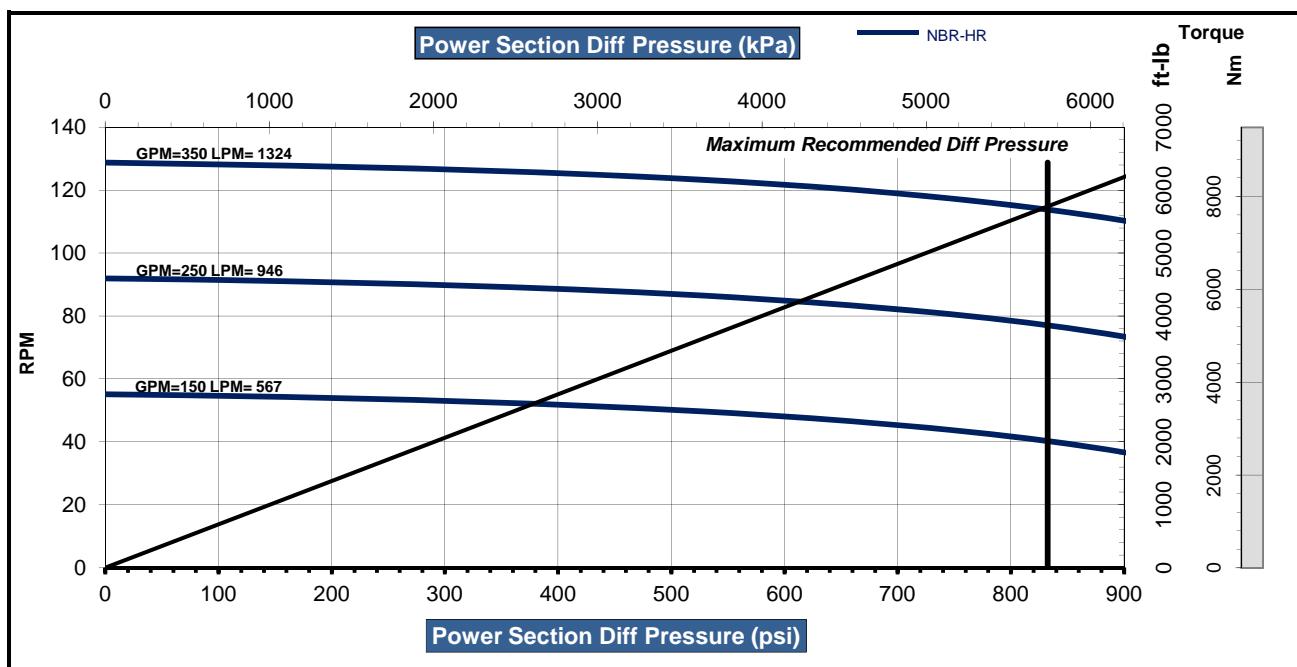
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	235.0	5969
Rubber Cut Back	11.8	298
Tube O.D.	4.75	120.7
Tube I.D.	3.88	98.4
Weight	426 (lbs) 193 (kg)	
Number of Stages	3.7	
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	2.777 70.54
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	
Standard	
Oversize	-0.008 -0.20

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	6.901 ft-lb/psi 1.357 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 830 (5740)
Flow Range	150 to 350 GPM 570 to 1320 Litre/min	Max Torque ft-lb (Nm)	5750 (7790)
Rotation	0.368 Rev/Gal 0.097 Rev/Litre	Stall Diff Press psi (kPa)	1250 (8610)
Speed Range	55 to 130 RPM	Stall Torque ft-lb (Nm)	8620 (11680)
Off Bottom Press	64 psi 440 kPa	Max Recommended HP(kW)	134 (100)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



[www.dyna-drill.com](http://www.dyna-drill.com)

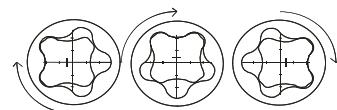
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD475783.8

4.75" 7/8 Lobes 3.8 Stages



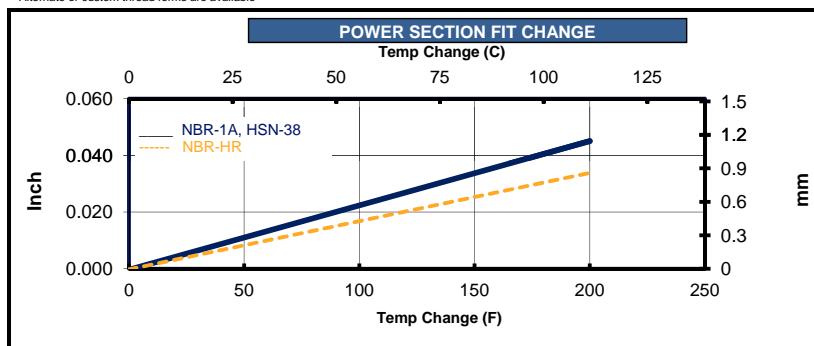
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	178.0	4521
Contour Length	172.3	4375
Eccentricity	0.163	4.14
Major Diameter	2.945	74.80
Head Diameter	2.750	69.90
Weight	240 (lbs) 108.9 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	187.0	4750
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Alternate Length	122	3099
Weight	399 (lbs) 181 (kg)	
Number of Stages	3.8	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

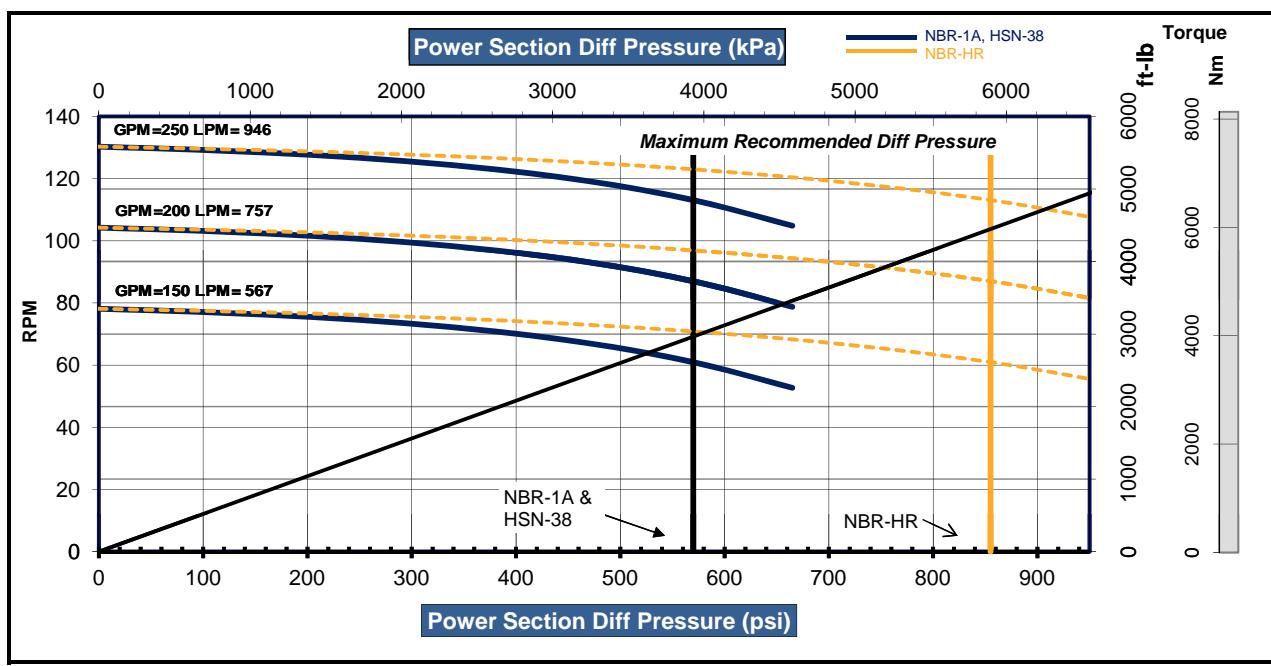
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.606 66.19
Oversize	2.622 66.60
Second Oversize	2.638 67.01
Third Oversize	2.663 67.64
Nominal Fit at 75 F (25 C)	
Standard	0.013 0.33
Oversize	-0.003 -0.08
Second Oversize	-0.019 -0.48
Third Oversize	-0.044 -1.12

\* Alternate or custom thread forms are available

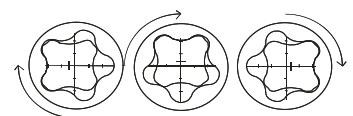


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Standard	2.603 66.12
Oversize	2.619 66.52
Second Oversize	2.651 67.34
Nominal Fit at 75 F (25 C)	
Standard	0.016 0.41
Oversize	0.000 0.00
Second Oversize	-0.032 -0.81

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	5.200 ft-lb/psi 1.023 Nm/kPa		NBR-1A AND HSN-38
Flow Range	150 to 250 GPM 570 to 950 Litre/min		860 (5900 )
Rotation	0.521 Rev/Gal 0.138 Rev/Litre		2960 (4020 )
Speed Range	78 to 140 RPM		860 (5900 )
Off Bottom Press	64 psi 440 kPa		1280 (8840 )
		Stall Diff Press psi (kPa)	4450 (6030 )
		Stall Torque ft-lb (Nm)	6670 (9050 )
		Max Recommended HP(kW)	74 (55)
			104 (78)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



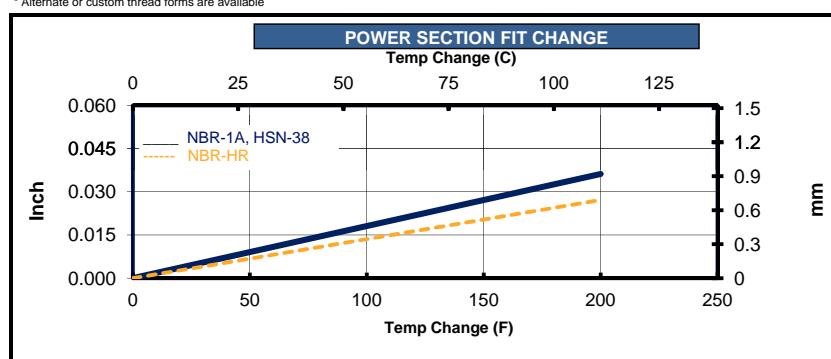
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.0	5588
Contour Length	214.3	5442
Eccentricity	0.172	4.37
Major Diameter	3.091	78.51
Head Diameter	2.750	69.90
Weight	323 (lbs) 146.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

\* Alternate or custom thread forms are available.

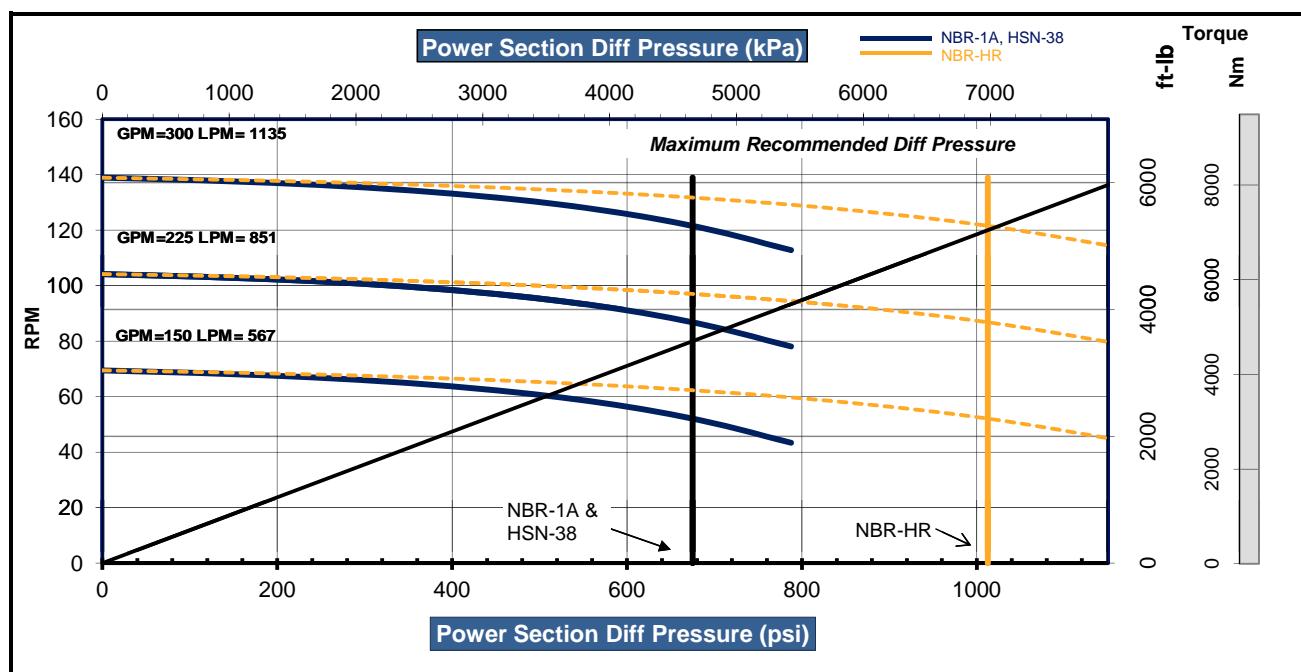
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.3	5823
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	396 (lbs) 180 (kg)	
Number of Stages	4.5	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.744 69.70
Oversize	2.762 70.15
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.005 0.13
Oversize	-0.013 -0.33
Double Oversize	

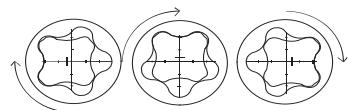


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.746 69.75
Oversize	2.763 70.18
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.003 0.08
Oversize	-0.014 -0.36
Double Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	5.185 ft-lb/psi 1.020 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Diff Press psi (kPa)	680 (4650)
Rotation	0.463 Rev/Gal 0.122 Rev/Litre	Max Torque ft-lb (Nm)	3500 (4750)
Speed Range	69 to 140 RPM	Stall Diff Press psi (kPa)	1010 (6980)
Off Bottom Press	68 psi 470 kPa	Stall Torque ft-lb (Nm)	5250 (7120)
		Max Recommended HP(kW)	93 (69)
			132 (98)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



## POWER SECTION

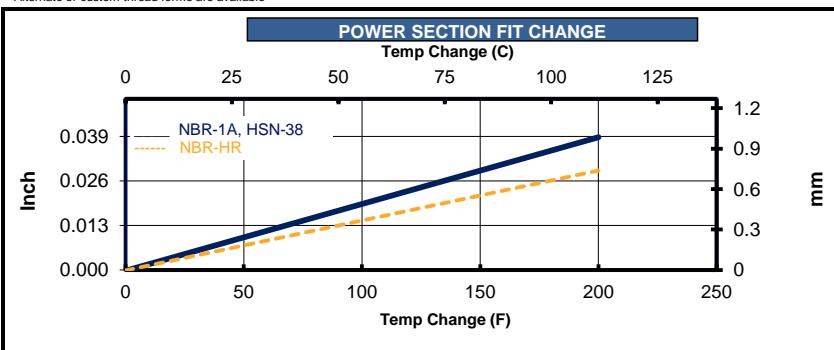
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	186.0	4724
Contour Length	180.0	4572
Eccentricity	0.169	4.28
Major Diameter	3.039	77.19
Head Diameter	3.125	79.40
Weight	310 (lbs) 140.6 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 Hughes External Flush	

\* Alternate or custom thread forms are available

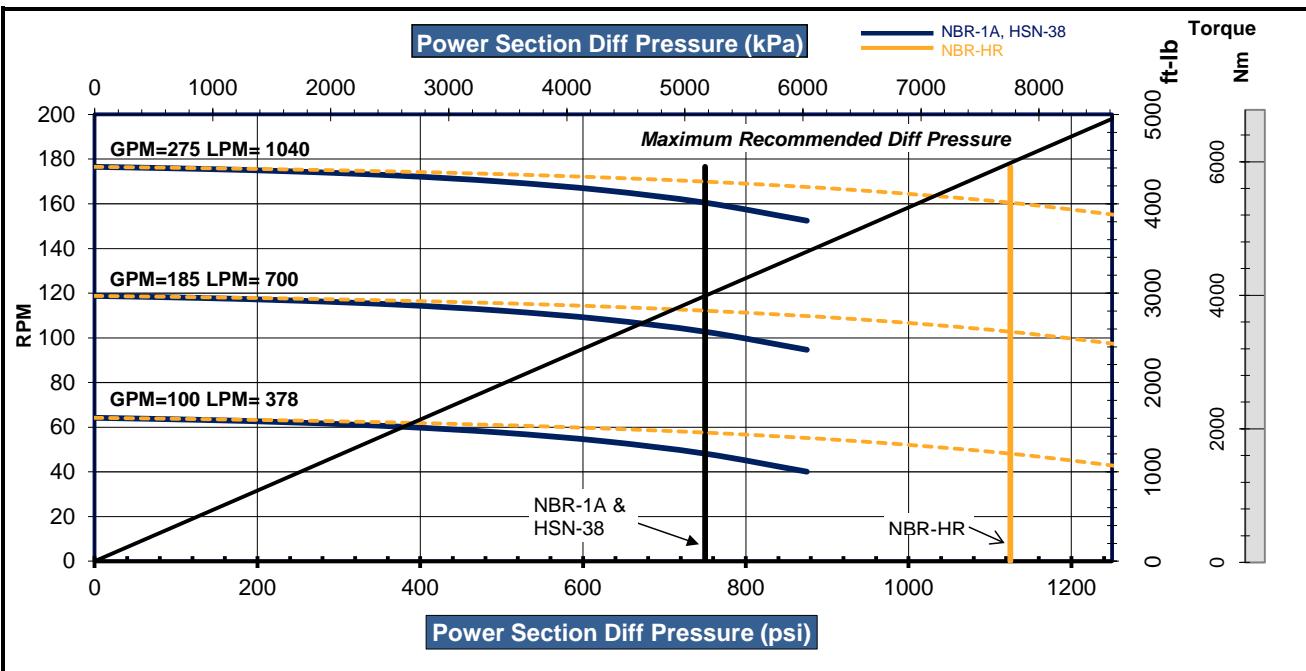
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	198.0	5029
Rubber Cut Back	10.0	254
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	395 (lbs) 179 (kg)	
Number of Stages	5.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	2.709 68.81
Double Oversize	2.725 69.22
Nominal Fit at 75 F (25 C)	
Standard	-0.007 -0.18
Oversize	-0.023 -0.58

FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.702 68.63
Oversize	2.717 69.01
Double Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.000 0.00
Oversize	-0.015 -0.38
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	3.960 ft-lb/psi 0.779 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 275 GPM 380 to 1040 Litre/min	Max Diff Press psi (kPa)	750 (5170 ) 1130 (7760 )
Rotation	0.642 Rev/Gal 0.170 Rev/Litre	Max Torque ft-lb (Nm)	2970 (4030 ) 4460 (6040 )
Speed Range	64 to 180 RPM	Stall Diff Press psi (kPa)	1130 (7760 ) 1690 (11630 )
Off Bottom Press	67 psi 460 kPa	Stall Torque ft-lb (Nm)	4460 (6040 ) 6680 (9060 )
		Max Recommended HP(kW)	100 (74) 144 (107)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.

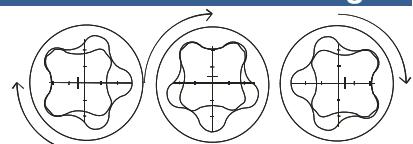
# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255  
 Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833  
 Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053  
 Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

Model No: DD500568.3

5" 5/6 Lobes 8.3 Stages

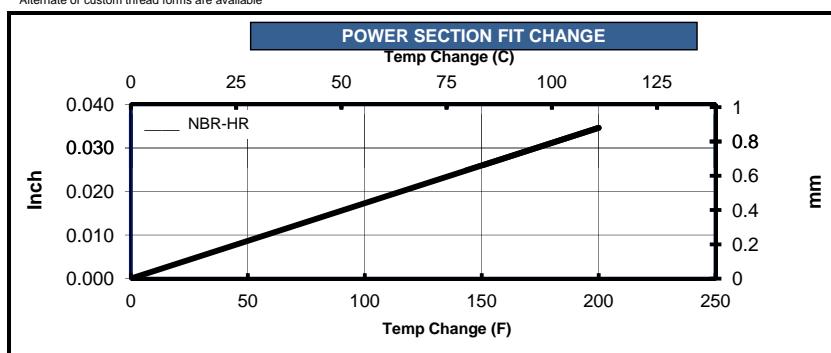


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.4	5827
Contour Length	223.4	5674
Eccentricity	0.207	5.26
Major Diameter	2.916	74.07
Head Diameter	2.750	69.90
Weight	275 (lbs) 124.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

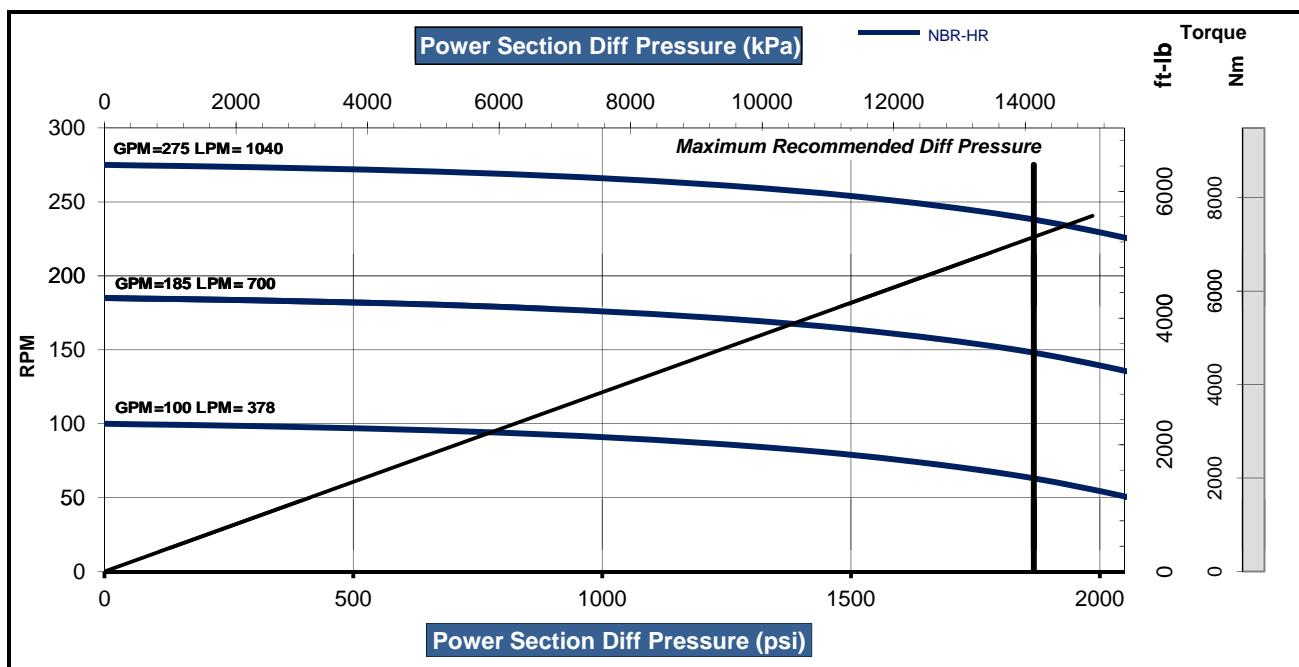
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	242.6	6162
Rubber Cut Back	8.3	211
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Weight	636 (lbs) 288 (kg)	
Number of Stages	8.3	
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available

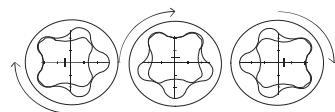


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	2.525 64.14
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	
Standard	
Oversize	-0.023 -0.58

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.576 ft-lb/psi 0.507 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 1870 (12880)
Flow Range	100 to 275 GPM 380 to 1040 Litre/min	Max Torque ft-lb (Nm)	4810 (6530)
Rotation	1.000 Rev/Gal 0.264 Rev/Litre	Stall Diff Press psi (kPa)	2800 (19310)
Speed Range	100 to 280 RPM	Stall Torque ft-lb (Nm)	7220 (9790)
Off Bottom Press	120 psi 830 kPa	Max Recommended HP(kW)	239 (178)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



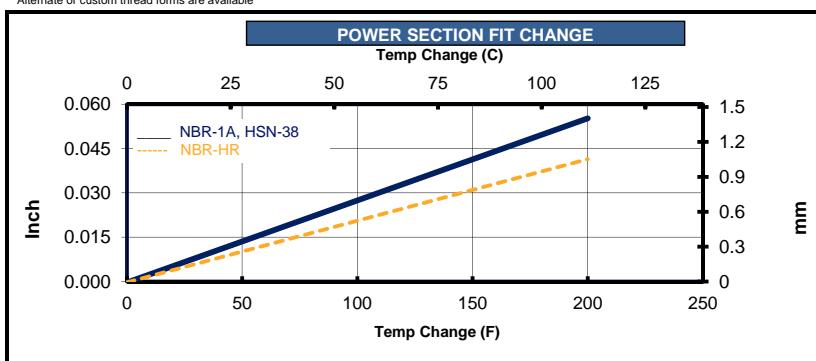
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	233.5	5931
Contour Length	226.8	5760
Eccentricity	0.192	4.88
Major Diameter	3.018	76.66
Head Diameter	2.750	69.90
Weight	343 (lbs) 155.6 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	246.0	6248
Rubber Cut Back	7.5	191
Tube O.D.	5.00	127.0
Tube I.D.	4.00	101.6
Weight	640 (lbs) 290 (kg)	
Number of Stages	8.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

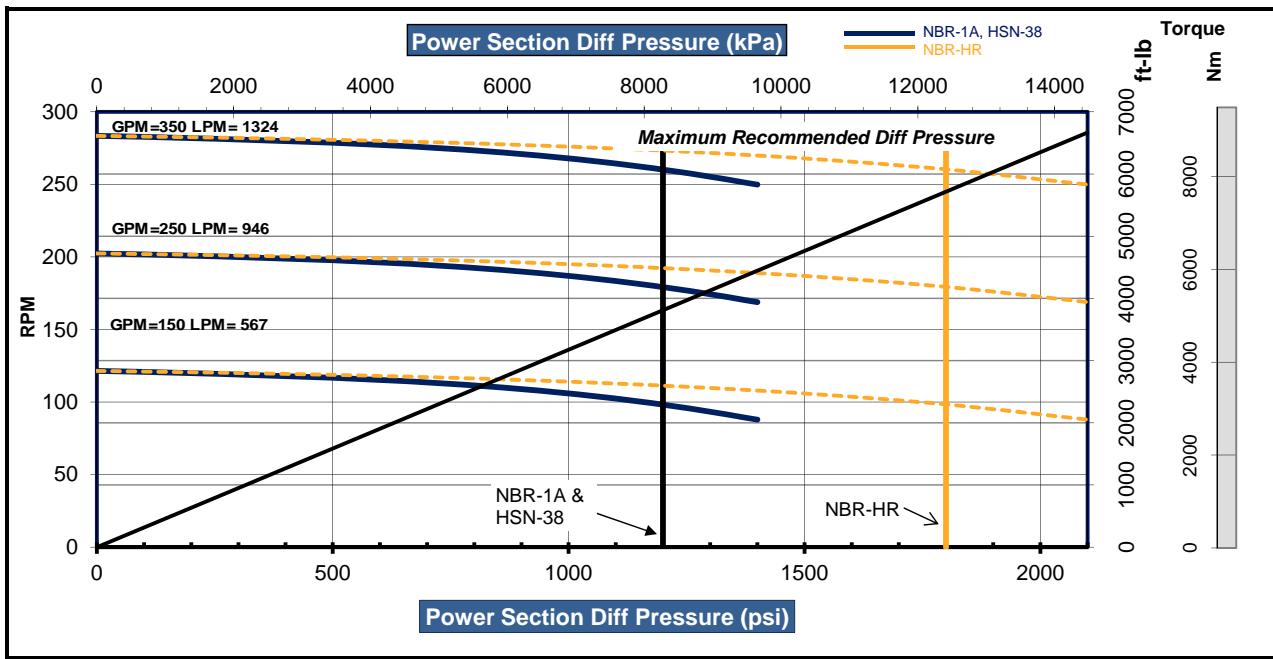
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	2.640 67.06
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.004
Oversize	-0.10
Second Oversize	

\* Alternate or custom thread forms are available

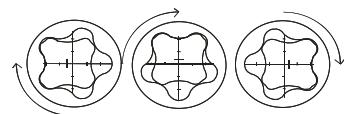


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Standard	2.619 66.52
Oversize	2.635 66.93
Second Oversize	2.643 67.13
Third Oversize	2.655 67.44
Nominal Fit at 75 F (25 C)	
Standard	0.017 0.43
Oversize	0.001 0.03
Second Oversize	-0.007 -0.18
Third Oversize	-0.019 -0.48

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	3.176 ft-lb/psi 0.625 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	150 to 350 GPM 570 to 1320 Litre/min	Max Torque ft-lb (Nm)	1200 (8270 ) 1800 (12410 )
Rotation	0.810 Rev/Gal 0.214 Rev/Litre	Stall Diff Press psi (kPa)	3810 (5170 ) 5720 (7760 )
Speed Range	121 to 290 RPM	Stall Torque ft-lb (Nm)	1800 (12410 ) 2700 (18620 )
Off Bottom Press	122 psi 840 kPa	Max Recommended HP(kW)	5720 (7760 ) 8580 (11630 )
			206 (153) 298 (222)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill® . All rights reserved.



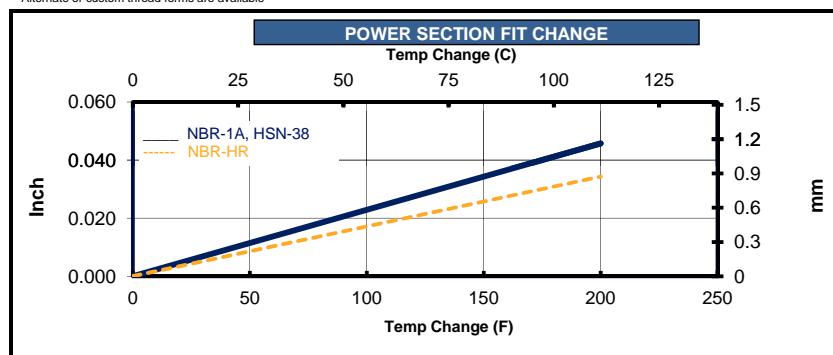
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	107.0	2718
Contour Length	101.3	2572
Eccentricity	0.168	4.27
Major Diameter	2.936	74.57
Head Diameter	2.750	69.90
Weight	136 (lbs) 61.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	116.0	2946
Rubber Cut Back	5.0	127
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Alternate Length	122	3099
Weight	328 (lbs) 149 (kg)	
Number of Stages	2.2	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

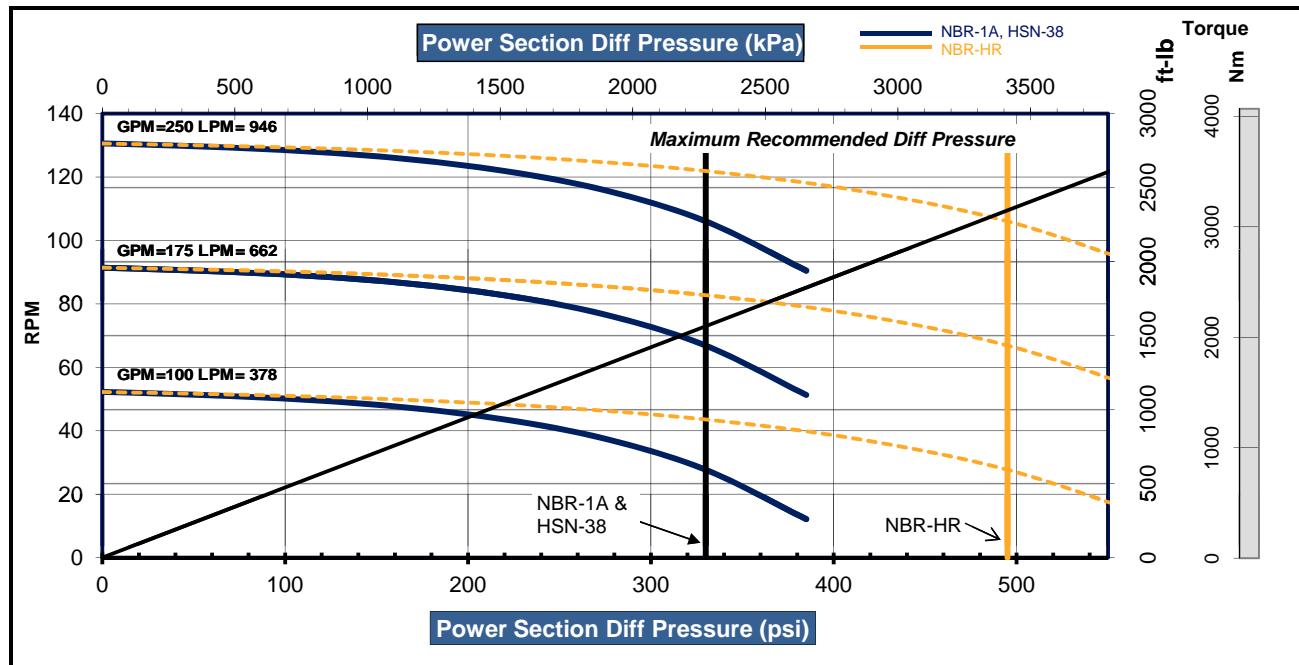
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.581 65.56
Oversize	2.602 66.09
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	-0.002 -0.05
Second Oversize	

\* Alternate or custom thread forms are available

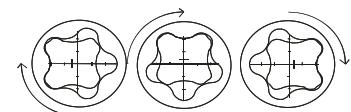


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.584 65.63
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.016 0.41
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	4.738 ft-lb/psi 0.932 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	100 to 250 GPM 380 to 950 Litre/min	Max Diff Press psi (kPa)	330 (2280)
Rotation	0.522 Rev/Gal 0.138 Rev/Litre	Max Torque ft-lb (Nm)	1560 (2120)
Speed Range	52 to 140 RPM	Stall Diff Press psi (kPa)	500 (3410)
Off Bottom Press	52 psi 360 kPa	Stall Torque ft-lb (Nm)	2350 (3180)
		Max Recommended HP(kW)	39 (29)
			54 (40)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



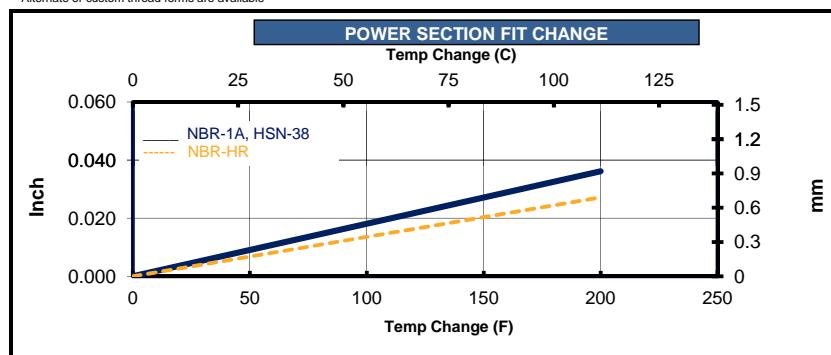
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.0	5588
Contour Length	214.3	5442
Eccentricity	0.174	4.42
Major Diameter	3.095	78.61
Head Diameter	2.750	69.90
Weight	323 (lbs) 146.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.3	5823
Rubber Cut Back	8.0	203
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Alternate Length	122	3099
Weight	520 (lbs) 236 (kg)	
Number of Stages	2.6	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

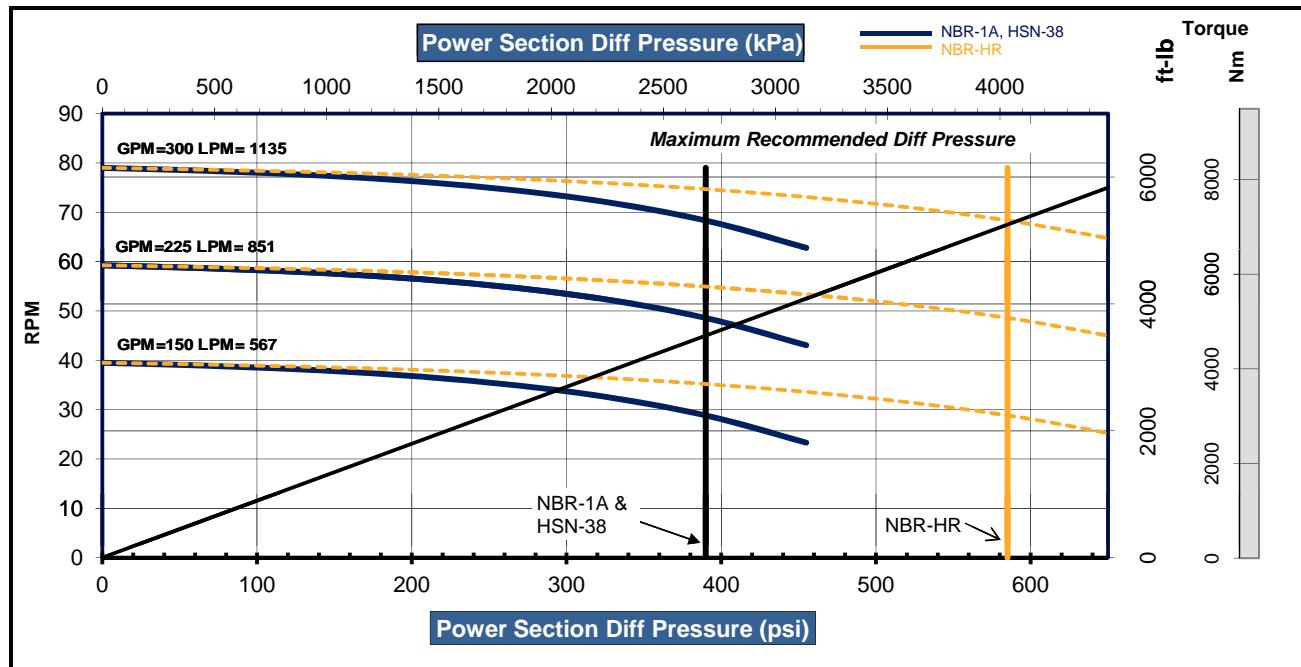
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.738 69.55
Oversize	2.762 70.15
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.011 0.28
Oversize	-0.013 -0.33
Second Oversize	

\* Alternate or custom thread forms are available

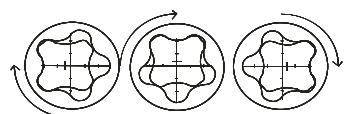


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	2.722 69.14
Standard	2.746 69.75
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.027 0.69
Standard	0.003 0.08
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.974 ft-lb/psi 1.765 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Diff Press psi (kPa)	390 (2690 ) 590 (4030 )
Rotation	0.263 Rev/Gal 0.070 Rev/Litre	Max Torque ft-lb (Nm)	3500 (4750 ) 5250 (7120 )
Speed Range	39 to 79 RPM	Stall Diff Press psi (kPa)	590 (4030 ) 880 (6050 )
Off Bottom Press	46 psi 320 kPa	Stall Torque ft-lb (Nm)	5250 (7120 ) 7880 (10680 )
		Max Recommended HP(kW)	53 (39) 75 (56)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



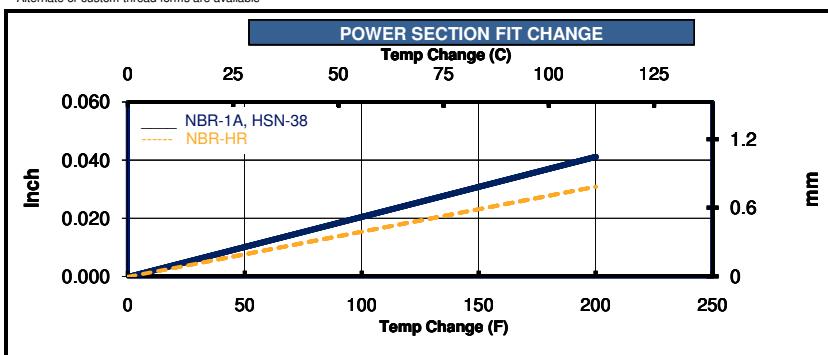
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	233.5	5931
Contour Length	227.8	5785
Eccentricity	0.18	4.57
Major Diameter	3.258	82.75
Head Diameter	3.450	87.60
Weight	380 (lbs) 172.4 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 PAC	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	250.0	6350
Rubber Cut Back	11.8	298
Tube O.D.	5.00	127.0
Tube I.D.	4.00	101.6
Weight	472 (lbs) 214 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

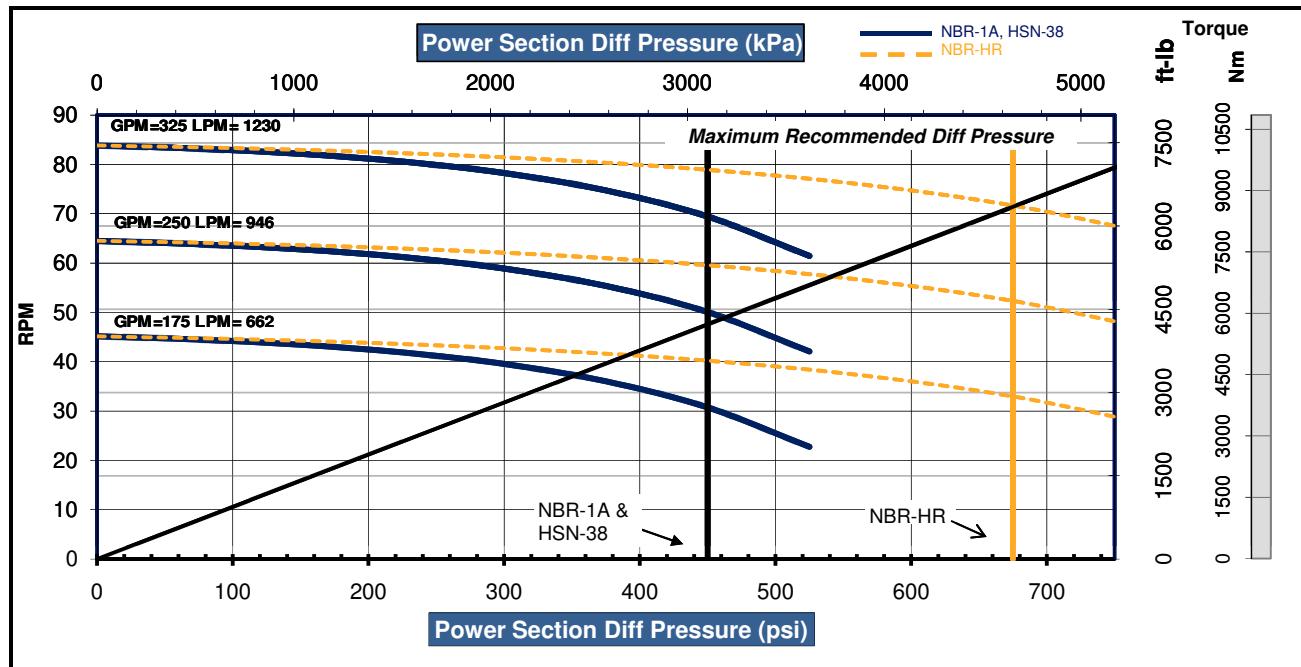
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.887 73.33
Oversize	2.909 73.89
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.013 0.33
Oversize	-0.009 -0.23
Second Oversize	

\* Alternate or custom thread forms are available

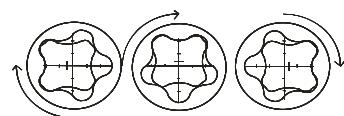


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.887 73.33
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.400 ft-lb/psi 1.848 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	175 to 325 GPM 660 to 1230 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.258 Rev/Gal 0.068 Rev/Litre	Max Torque ft-lb (Nm)	4230 (5730 ) 6350 (8600 )
Speed Range	45 to 84 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	100 psi 690 kPa	Stall Torque ft-lb (Nm)	6350 (8600 ) 9520 (12900 )
		Max Recommended HP(kW)	68 (50) 95 (71)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



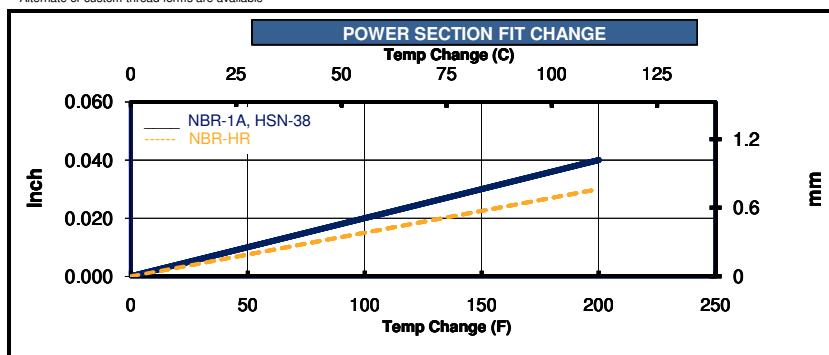
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.0	5817
Contour Length	223.0	5664
Eccentricity	0.168	4.27
Major Diameter	3.024	76.81
Head Diameter	2.750	69.90
Weight	371 (lbs) 168.3 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	238.0	6045
Rubber Cut Back	8.0	203
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Weight	616 (lbs) 279 (kg)	
Number of Stages	3.10	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

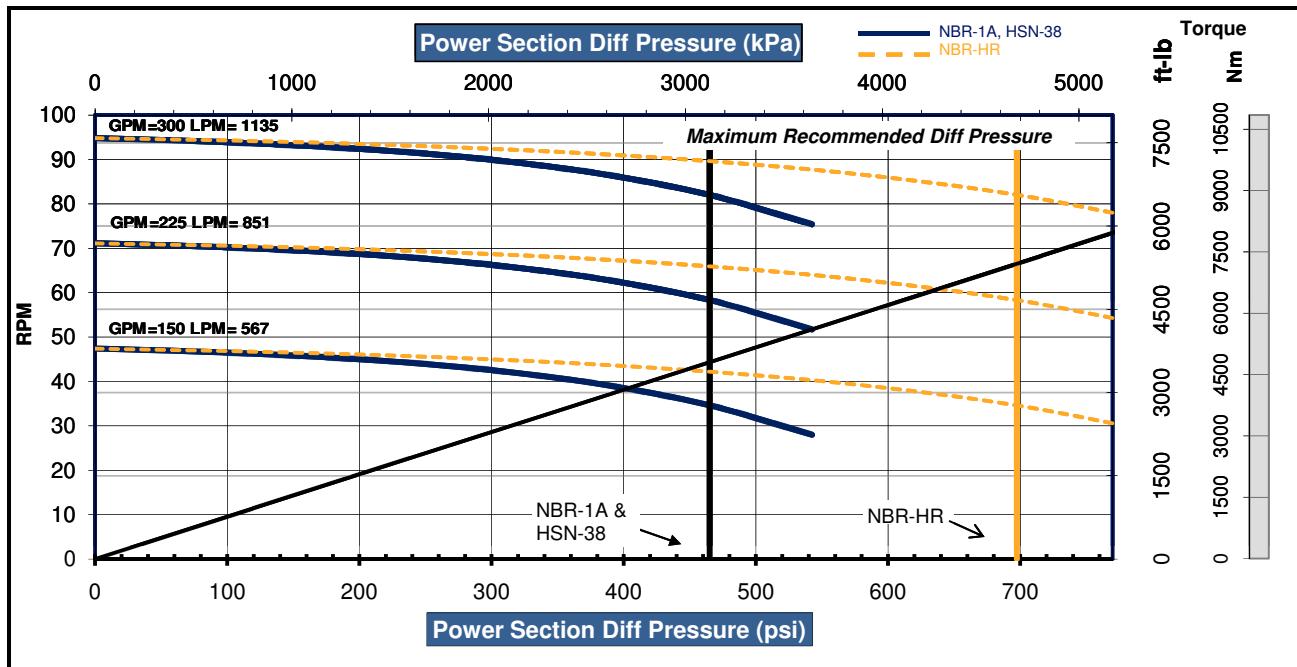
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	2.690 68.33
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.002
Oversize	-0.05
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.678 68.02
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.010 0.25
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.831 ft-lb/psi 1.540 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Diff Press psi (kPa)	470 (3210 ) 700 (4810 )
Rotation	0.316 Rev/Gal 0.084 Rev/Litre	Max Torque ft-lb (Nm)	3640 (4940 ) 5460 (7410 )
Speed Range	47 to 95 RPM	Stall Diff Press psi (kPa)	700 (4810 ) 1050 (7210 )
Off Bottom Press	50 psi 340 kPa	Stall Torque ft-lb (Nm)	5460 (7410 ) 8190 (11110 )
		Max Recommended HP(kW)	66 (49) 93 (69)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

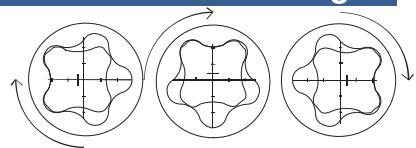


[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 23400 Colonial Parkway, Katy, TX 77493 Tel: (281) 227-1250, Fax: (281) 227-1255  
 Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833  
 Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

Model No: DD500783.7

5" 7/8 Lobes 3.7 Stages

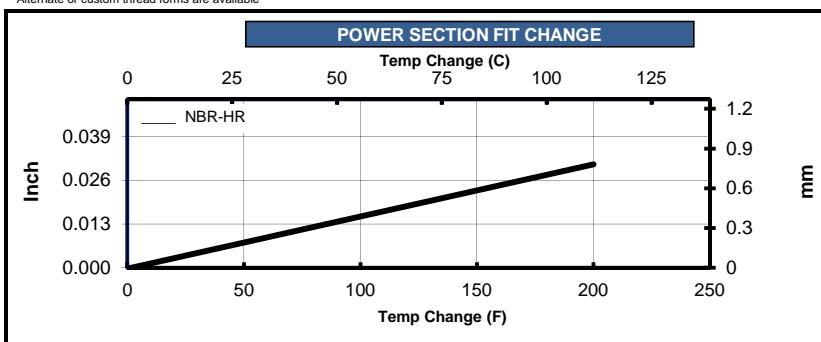


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	214.8	5456
Contour Length	208.8	5304
Eccentricity	0.177	4.48
Major Diameter	3.122	79.30
Head Diameter	3.250	82.60
Weight	356 (lbs) 161.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush	

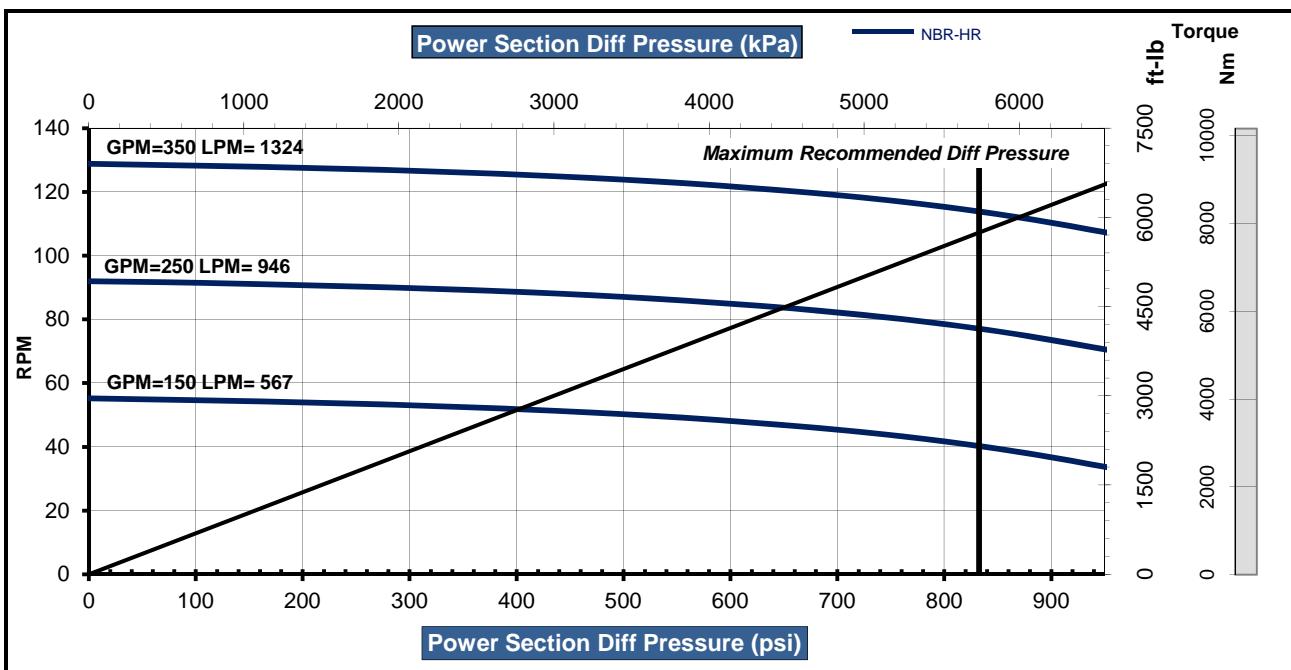
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	235.0	5969
Rubber Cut Back	11.8	298
Tube O.D.	5.00	127.0
Tube I.D.	3.88	98.4
Weight	523 (lbs) 237 (kg)	
Number of Stages	3.7	
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available

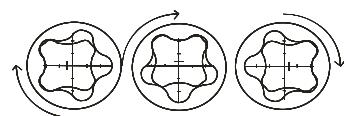


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	2.777 70.54
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	
Standard	
Oversize	-0.008 -0.20

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	6.901 ft-lb/psi 1.357 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 830 (5740 )
Flow Range	150 to 350 GPM 570 to 1320 Litre/min	Max Torque ft-lb (Nm)	5750 (7790 )
Rotation	0.368 Rev/Gal 0.097 Rev/Litre	Stall Diff Press psi (kPa)	1250 (8610 )
Speed Range	55 to 130 RPM	Stall Torque ft-lb (Nm)	8620 (11680 )
Off Bottom Press	64 psi 440 kPa	Max Recommended HP(kW)	134 (100)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



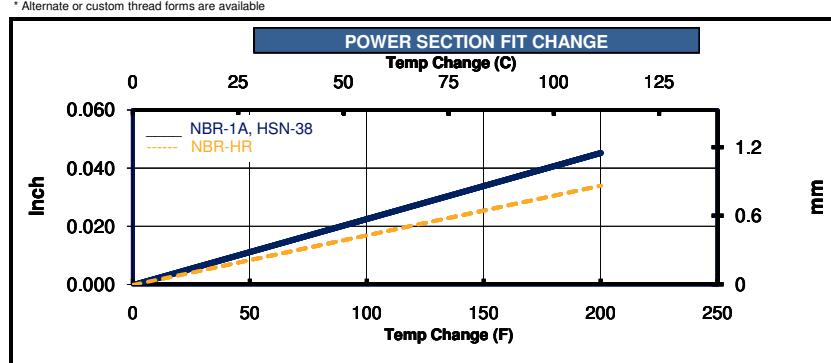
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	178.0	4521
Contour Length	172.3	4375
Eccentricity	0.163	4.14
Major Diameter	2.945	74.80
Head Diameter	2.750	69.90
Weight	240 (lbs) 108.9 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

\* Alternate or custom thread forms are available

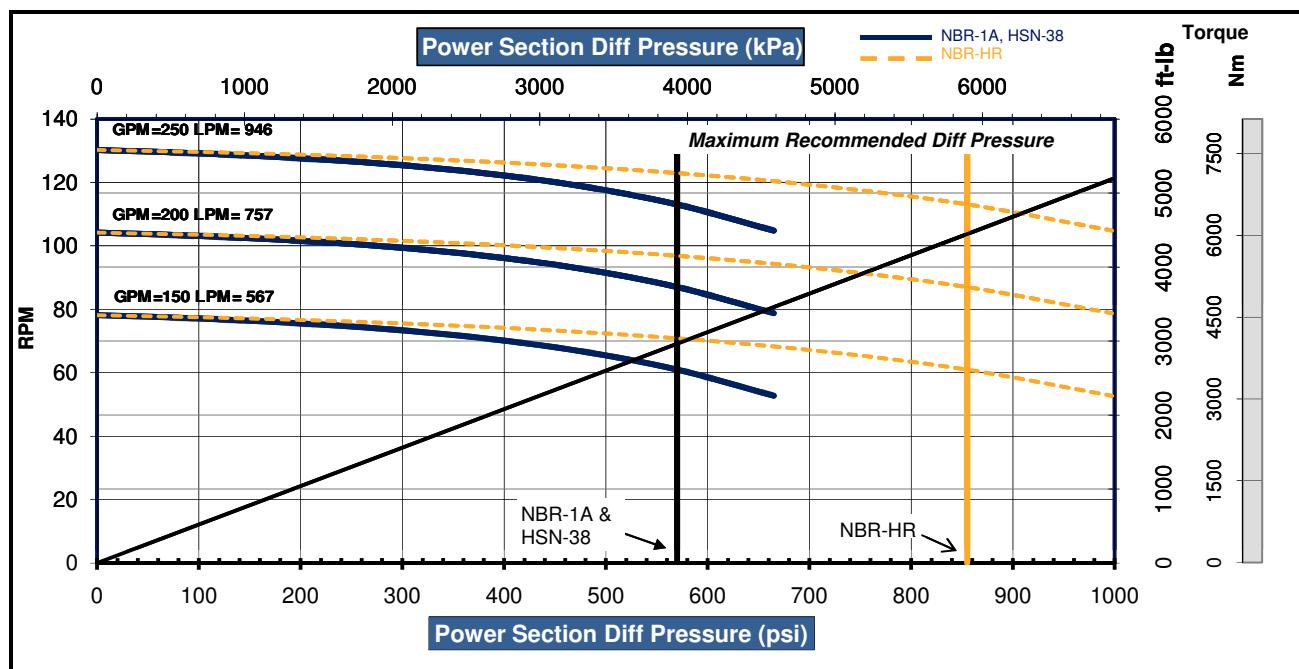
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	187.0	4750
Rubber Cut Back	8.0	203
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Weight	485 (lbs) 220 (kg)	
Number of Stages	3.80	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.600 66.04
Oversize	2.622 66.60
Second Oversize	2.638 67.01
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	-0.003 -0.08
Second Oversize	-0.019 -0.48

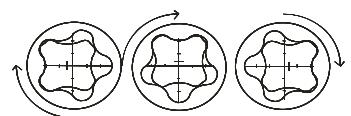


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.603 66.12
Oversize	2.619 66.52
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.016 0.41
Oversize	0.000 0.00

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	5.200 ft-lb/psi 1.023 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 250 GPM 570 to 950 Litre/min	Max Diff Press psi (kPa)	570 (3930 ) 860 (5900 )
Rotation	0.521 Rev/Gal 0.138 Rev/Litre	Max Torque ft-lb (Nm)	2960 (4020 ) 4450 (6030 )
Speed Range	78 to 140 RPM	Stall Diff Press psi (kPa)	860 (5900 ) 1280 (8840 )
Off Bottom Press	68 psi 470 kPa	Stall Torque ft-lb (Nm)	4450 (6030 ) 6670 (9050 )
		Max Recommended HP(kW)	74 (55) 104 (78)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



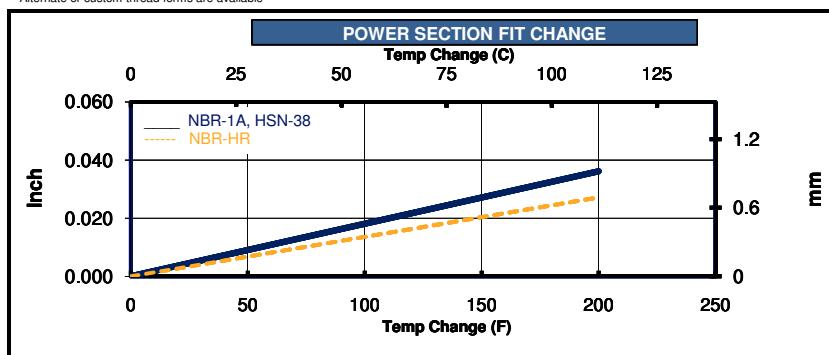
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.0	5588
Contour Length	214.3	5442
Eccentricity	0.172	4.37
Major Diameter	3.091	78.51
Head Diameter	2.750	69.90
Weight	323 (lbs) 146.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	229.3	5823
Rubber Cut Back	8.0	203
Tube O.D.	5.00	127.0
Tube I.D.	3.75	95.3
Weight	527 (lbs) 239 (kg)	
Number of Stages	4.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

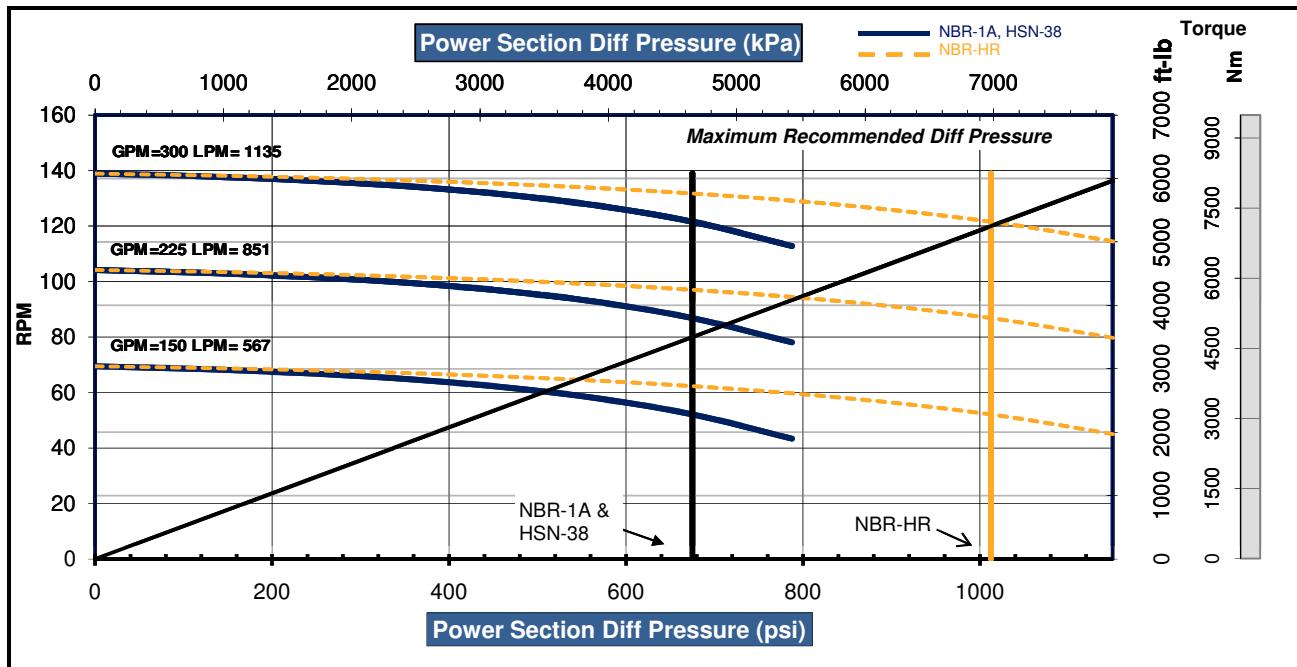
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	2.744 69.70
Oversize	2.762 70.15
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.005 0.13
Oversize	-0.013 -0.33
Second Oversize	

\* Alternate or custom thread forms are available

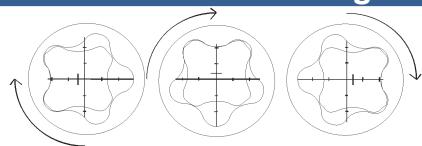


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	2.746 69.75
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.003 0.08
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	5.185 ft-lb/psi 1.020 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 300 GPM 570 to 1140 Litre/min	Max Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Rotation	0.463 Rev/Gal 0.122 Rev/Litre	Max Torque ft-lb (Nm)	3500 (4750 ) 5250 (7120 )
Speed Range	69 to 140 RPM	Stall Diff Press psi (kPa)	1010 (6980 ) 1520 (10470 )
Off Bottom Press	68 psi 470 kPa	Stall Torque ft-lb (Nm)	5250 (7120 ) 7870 (10680 )
		Max Recommended HP(kW)	93 (69) 132 (98)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

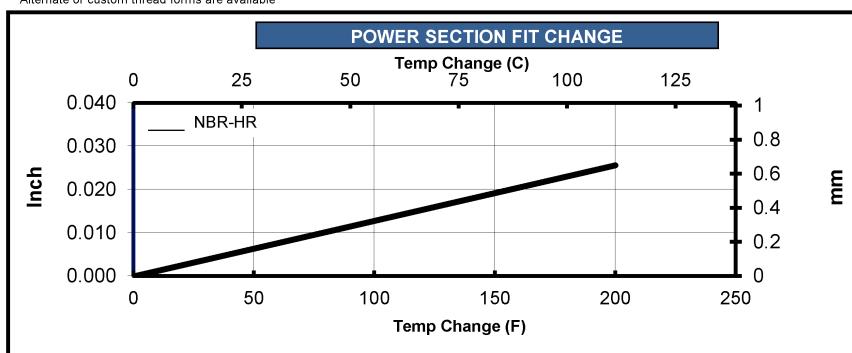


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	235.0	5969
Contour Length	229.5	5829
Eccentricity	0.173	4.38
Major Diameter	3.354	85.19
Head Diameter	3.450	87.60
Weight	485 (lbs) 220 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 Hughes	
	External Flush Mod	

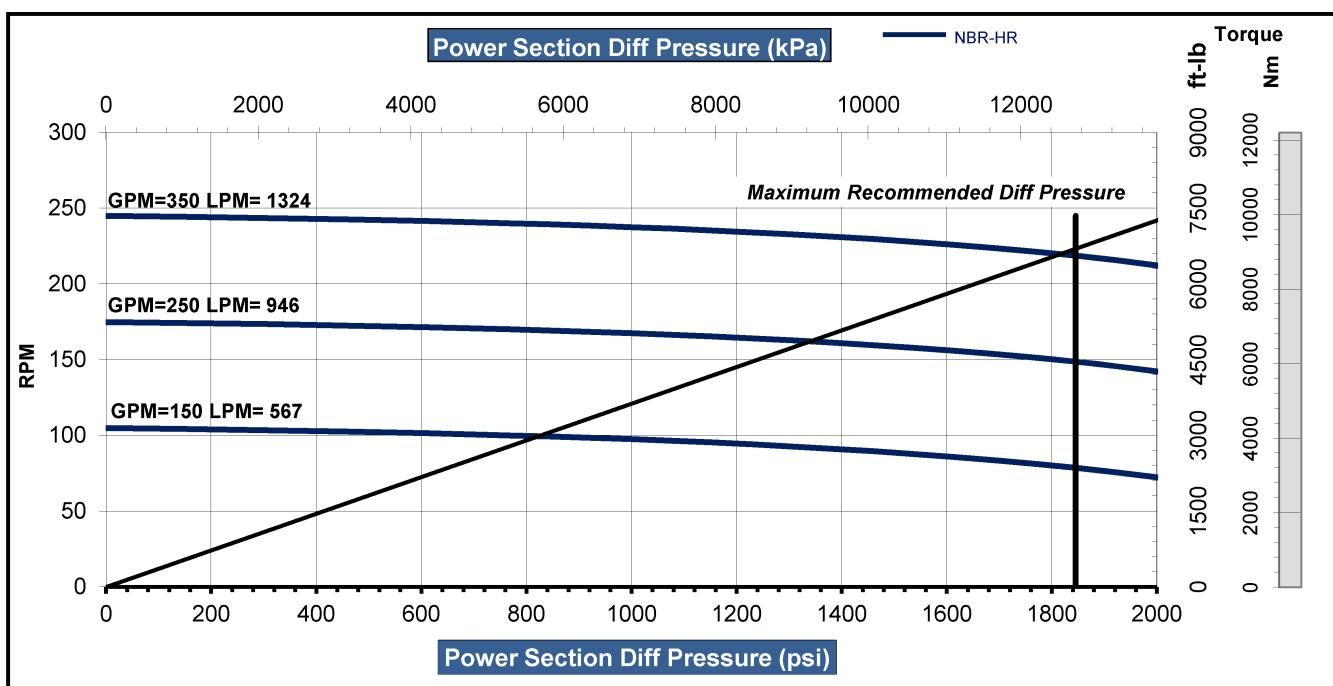
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	250.0	6350
Rubber Cut Back	11.8	298
Tube O.D.	5.00	127.0
Tube I.D.	4.00	101.6
Weight	547 (lbs) 248 (kg)	
Number of Stages	8.2	
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	3.024 76.81
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	
Standard	
Oversize	-0.015 -0.38

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	3.631 ft-lb/psi 0.714 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 1850 (12720 )
Flow Range	150 to 350 GPM 570 to 1320 Litre/min	Max Torque ft-lb (Nm)	6700 (9080 )
Rotation	0.700 Rev/Gal 0.185 Rev/Litre	Stall Diff Press psi (kPa)	2770 (19080 )
Speed Range	105 to 250 RPM	Stall Torque ft-lb (Nm)	10050 (13620 )
Off Bottom Press	124 psi 850 kPa	Max Recommended HP(kW)	299 (223)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

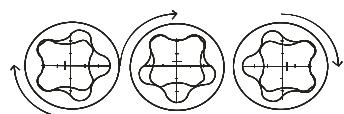
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD625457.5

6.25" 4/5 Lobes 7.5 Stages



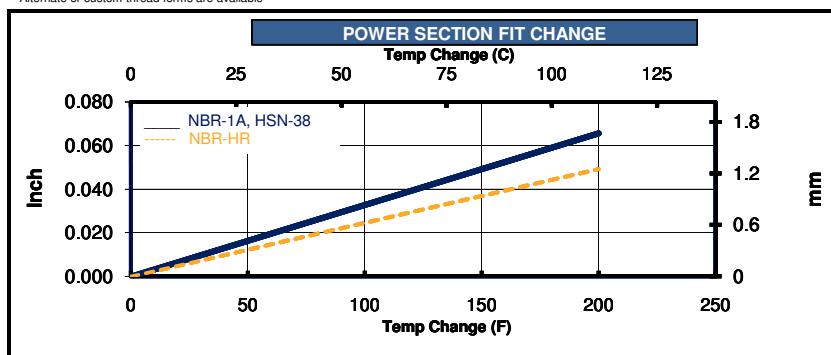
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	196.5	4991
Contour Length	189.5	4813
Eccentricity	0.326	8.28
Major Diameter	3.872	98.35
Head Diameter	3.500	88.90
Weight	416 (lbs) 188.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.5	5169
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	722 (lbs) 327 (kg)	
Number of Stages	7.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

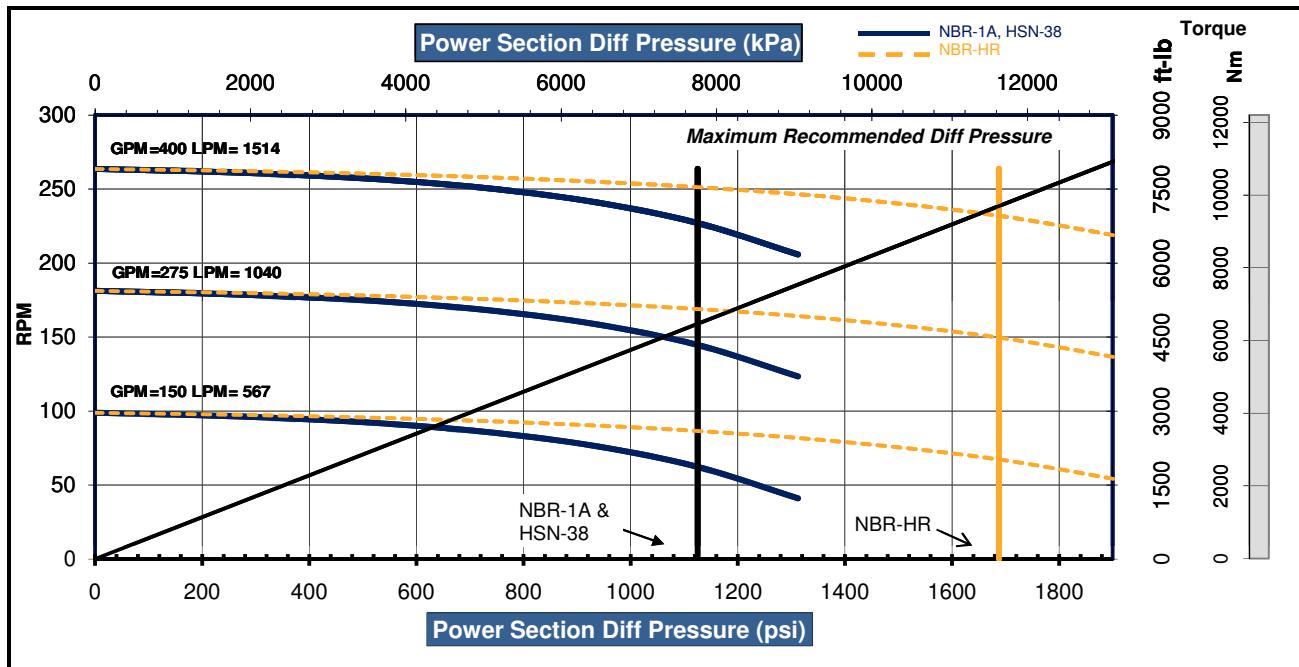
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.203 81.36
Oversize	3.239 82.27
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.017 0.43
Oversize	-0.019 -0.48
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.209 81.51
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.011 0.28
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	4.239 ft-lb/psi 0.834 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Diff Press psi (kPa)	1130 (7760 ) 1690 (11630 )
Rotation	0.659 Rev/Gal 0.174 Rev/Litre	Max Torque ft-lb (Nm)	4770 (6470 ) 7150 (9700 )
Speed Range	98 to 270 RPM	Stall Diff Press psi (kPa)	1690 (11630 ) 2530 (17450 )
Off Bottom Press	127 psi 880 kPa	Stall Torque ft-lb (Nm)	7150 (9700 ) 10730 (14560 )
		Max Recommended HP(kW)	239 (179) 342 (255)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

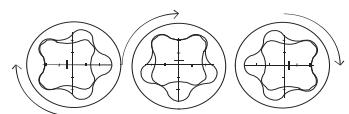
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD625675.0

6.25" 6/7 Lobes 5 Stages



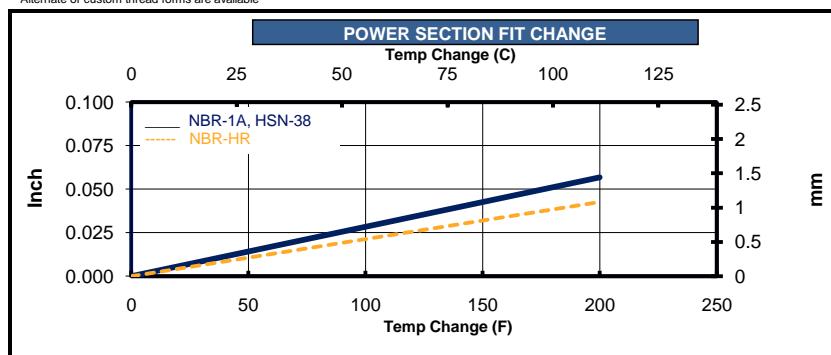
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	190.0	4826
Contour Length	183.0	4648
Eccentricity	0.27	6.86
Major Diameter	3.996	101.50
Head Diameter	3.750	95.30
Weight	538 (lbs) 244 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	188.0	4775
Rubber Cut Back	-8.0	-203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	694 (lbs) 315 (kg)	
Number of Stages	5.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

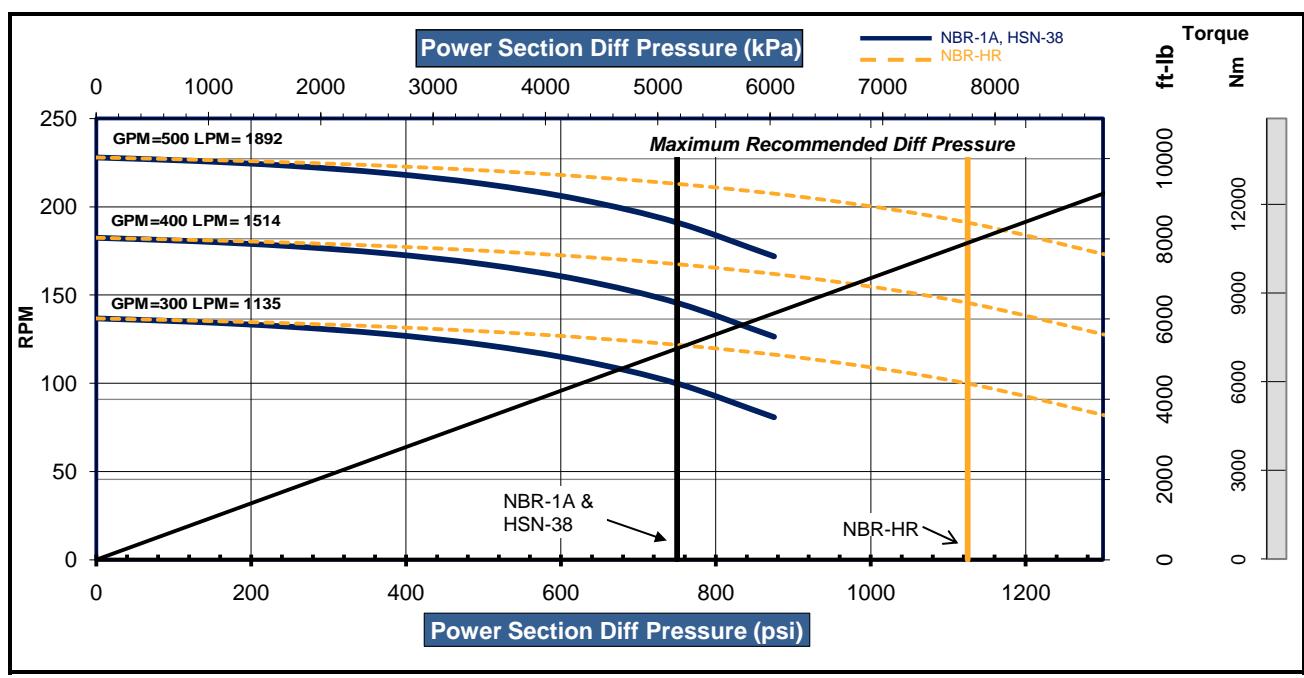
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.440 87.38
Oversize	3.456 87.78
Second Oversize	3.471 88.16
Nominal Fit at 75 F (25 C)	
Standard	0.016 0.41
Oversize	0.000 0.00
Second Oversize	-0.015 -0.38

\* Alternate or custom thread forms are available

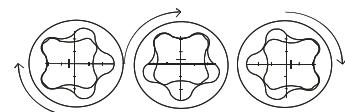


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.422 86.92
Standard	3.438 87.33
Oversize	3.453 87.71
Nominal Fit at 75 F (25 C)	
Undersize	0.034 0.86
Standard	0.018 0.46
Oversize	0.003 0.08

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.022 ft-lb/psi 1.381 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Torque ft-lb (Nm)	750 (5170) 1130 (7760)
Rotation	0.456 Rev/Gal 0.121 Rev/Litre	Stall Diff Press psi (kPa)	5270 (7140) 7900 (10710)
Speed Range	136 to 230 RPM	Stall Torque ft-lb (Nm)	1130 (7760) 1690 (11630)
Off Bottom Press	133 psi 920 kPa	Max Recommended HP(kW)	7900 (10710) 11850 (16070)
			229 (171) 320 (239)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



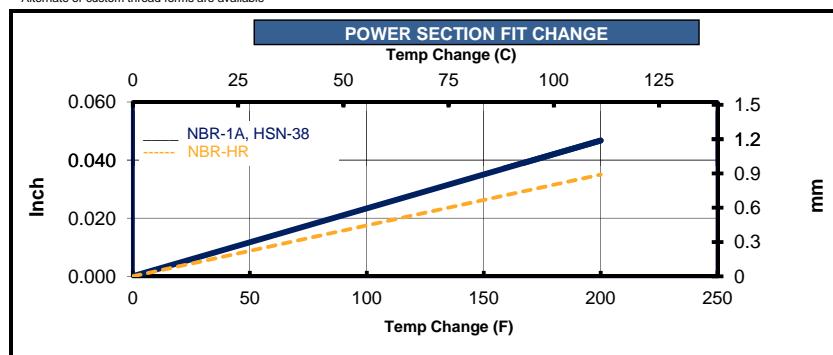
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	197.5	5017
Contour Length	191.0	4851
Eccentricity	0.23	5.84
Major Diameter	4.155	105.54
Head Diameter	3.500	88.90
Weight	561 (lbs) 254.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.2	5161
Rubber Cut Back	7.5	191
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Alternate Length	122	3099
Weight	691 (lbs) 313 (kg)	
Number of Stages	2.5	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

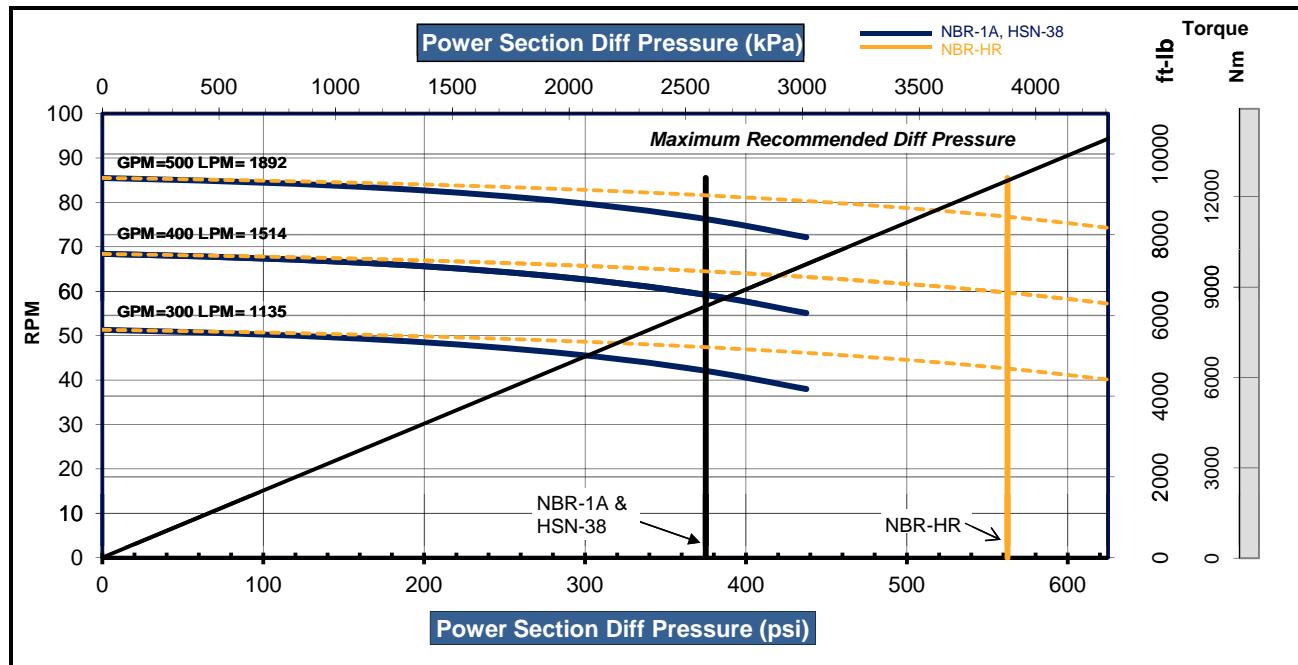
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.680 93.47
Oversize	3.700 93.98
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.015 0.38
Oversize	-0.005 -0.13
Second Oversize	

\* Alternate or custom thread forms are available

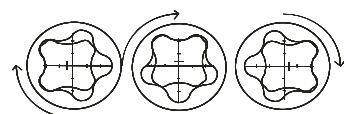


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.688 93.68
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.007 0.18
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.606 ft-lb/psi 3.265 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	380 (2590 ) 560 (3880 )
Rotation	0.171 Rev/Gal 0.045 Rev/Litre	Max Torque ft-lb (Nm)	6230 (8440 ) 9340 (12660 )
Speed Range	51 to 86 RPM	Stall Diff Press psi (kPa)	560 (3880 ) 840 (5820 )
Off Bottom Press	135 psi 930 kPa	Stall Torque ft-lb (Nm)	9340 (12660 ) 14010 (18990 )
		Max Recommended HP(kW)	101 (76) 145 (108)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



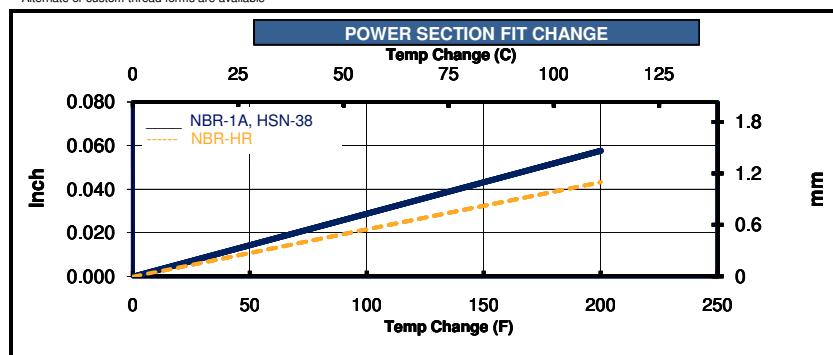
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Contour Length	110.0	2794
Eccentricity	0.226	5.74
Major Diameter	3.980	101.09
Head Diameter	3.500	88.90
Weight	364 (lbs) 165.1 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	124.0	3150
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Alternate Length	130	3302
Weight	420 (lbs) 191 (kg)	
Number of Stages	2.80	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

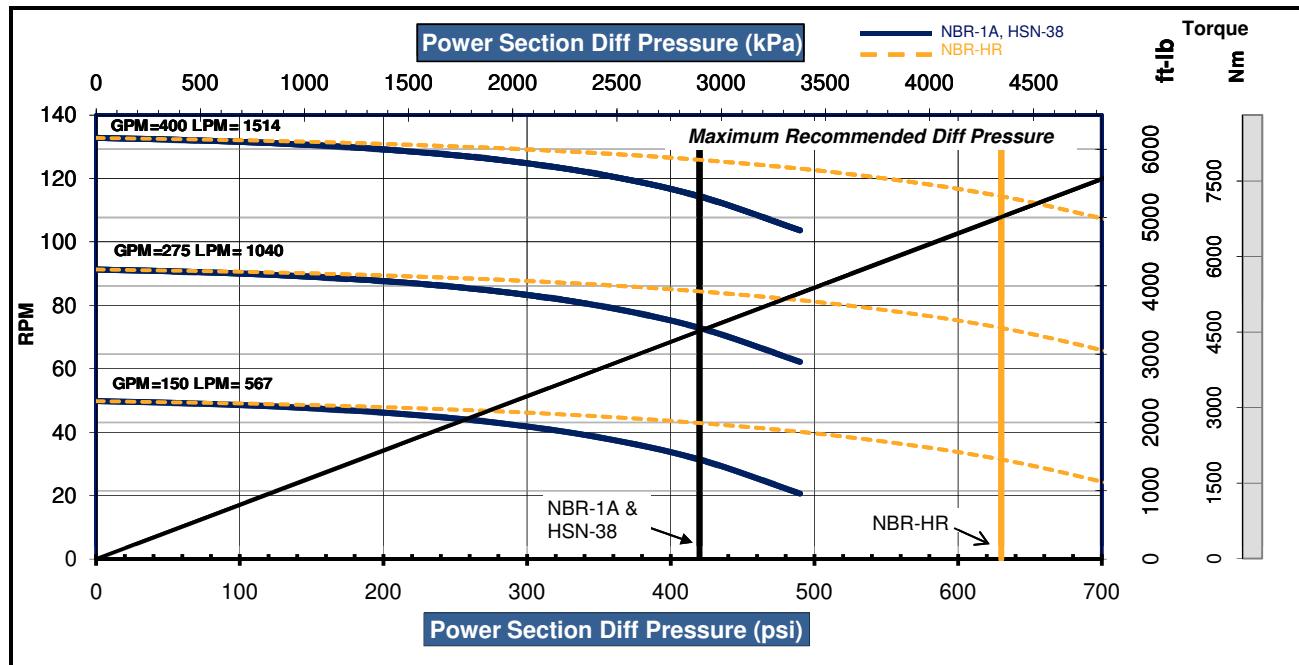
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.506 89.05
Oversize	3.527 89.59
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.022 0.56
Oversize	0.001 0.03
Second Oversize	

\* Alternate or custom thread forms are available

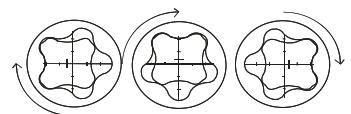


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.506 89.05
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.022 0.56
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.945 ft-lb/psi 1.562 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Diff Press psi (kPa)	420 (2900 ) 630 (4340 )
Rotation	0.332 Rev/Gal 0.088 Rev/Litre	Max Torque ft-lb (Nm)	3340 (4520 ) 5010 (6780 )
Speed Range	49 to 140 RPM	Stall Diff Press psi (kPa)	630 (4340 ) 950 (6520 )
Off Bottom Press	71 psi 490 kPa	Stall Torque ft-lb (Nm)	5010 (6780 ) 7510 (10180 )
		Max Recommended HP(kW)	84 (63) 120 (90)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



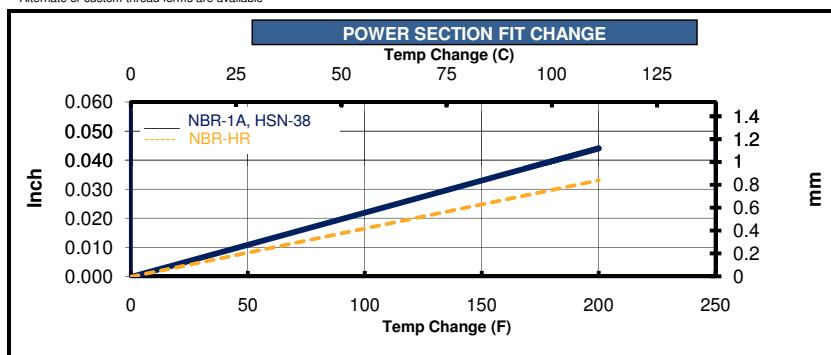
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.8	5607
Contour Length	214.3	5442
Eccentricity	0.233	5.92
Major Diameter	4.203	106.76
Head Diameter	4.000	101.60
Weight	570 (lbs) 258.6 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 or 2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	228.8	5810
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	620 (lbs) 281 (kg)	
Number of Stages	2.90	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

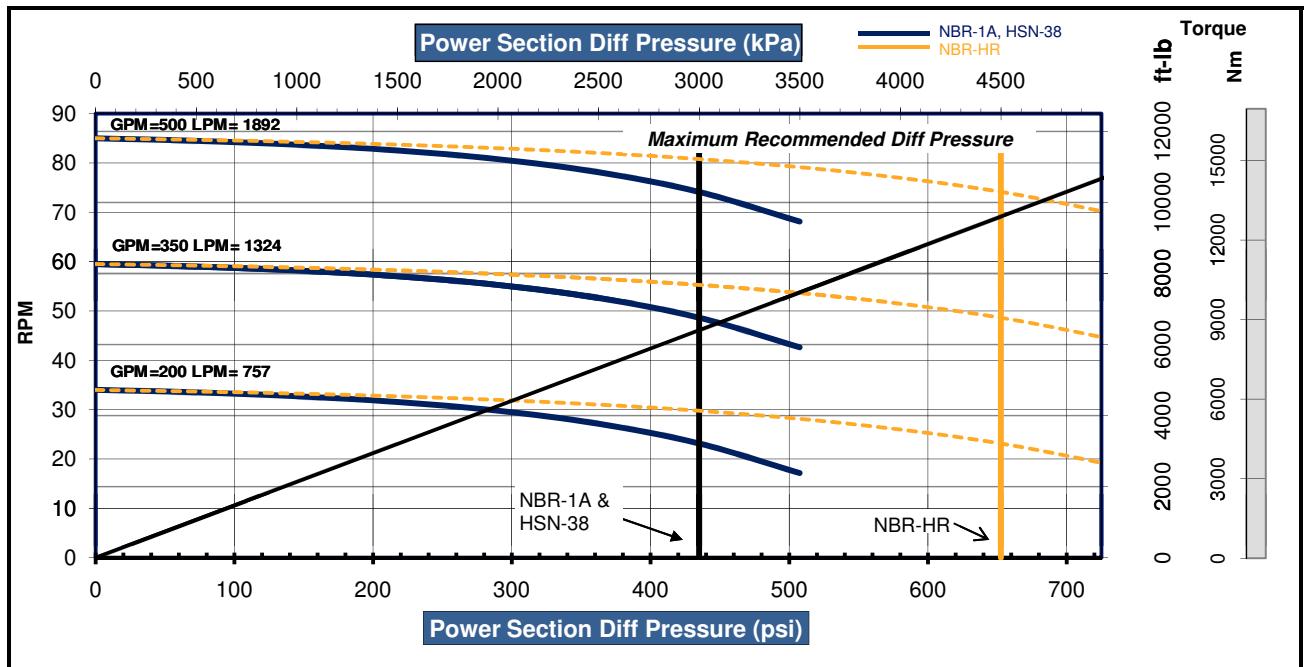
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.737 94.92
Oversize	3.755 95.38
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.001 0.03
Oversize	-0.017 -0.43
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.711 94.26
Standard	3.738 94.95
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.027 0.69
Standard	0.000 0.00
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	14.713 ft-lb/psi 2.893 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	200 to 500 GPM 760 to 1890 Litre/min	Max Diff Press psi (kPa)	440 (3000 ) 650 (4500 )
Rotation	0.170 Rev/Gal 0.045 Rev/Litre	Max Torque ft-lb (Nm)	6400 (8680 ) 9600 (13020 )
Speed Range	34 to 85 RPM	Stall Diff Press psi (kPa)	650 (4500 ) 980 (6750 )
Off Bottom Press	56 psi 390 kPa	Stall Torque ft-lb (Nm)	9600 (13020 ) 14400 (19520 )
		Max Recommended HP(kW)	104 (77) 148 (110)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

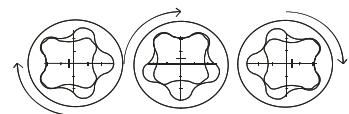
Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel: (403) 206-3052 Fax: (403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD625783.0 Slow

6.25" 7/8 Lobes 3 Stages



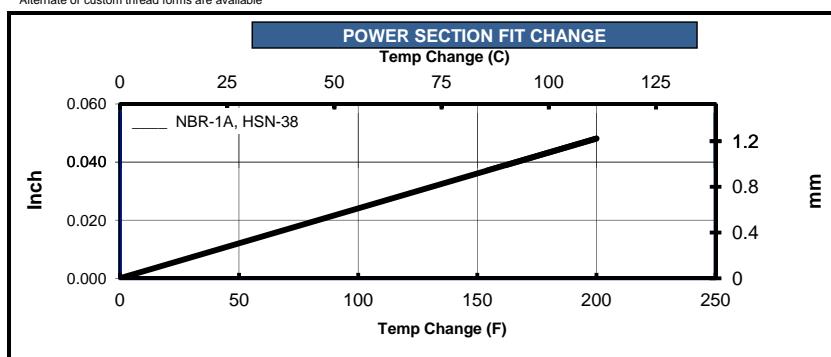
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	190.0	4826
Contour Length	183.5	4661
Eccentricity	0.23	5.84
Major Diameter	4.120	104.65
Head Diameter	4.000	101.60
Weight	526 (lbs) 238.6 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

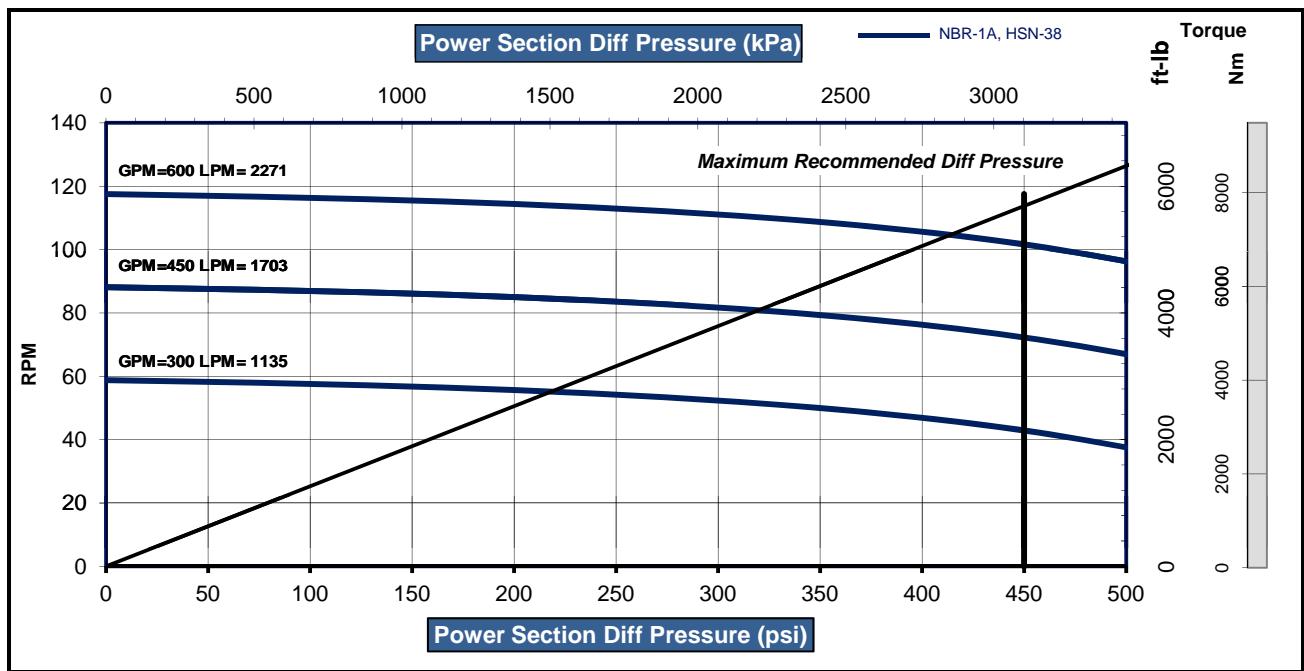
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	204.0	5182
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	686 (lbs) 311 (kg)	
Number of Stages	3.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.656	92.86
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.004	0.10
Oversize		
Double Oversize		

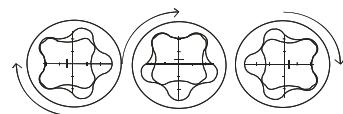
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	12.639 ft-lb/psi 2.485 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	450 (3100 )
Rotation	0.196 Rev/Gal 0.052 Rev/Litre	Stall Diff Press psi (kPa)	5690 (7710 )
Speed Range	58 to 120 RPM	Stall Torque ft-lb (Nm)	680 (4650 )
Off Bottom Press	79 psi 540 kPa	Max Recommended HP(kW)	8530 (11570 )
		Max Recommended HP(kW)	127 (95)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



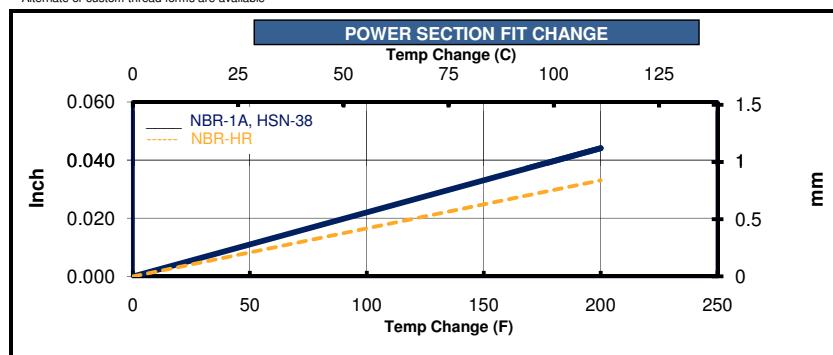
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	245.5	6236
Eccentricity	0.233	5.92
Major Diameter	4.203	106.76
Head Diameter	4.000	101.60
Weight	746 (lbs) 338.4 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 or 2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	755 (lbs) 342 (kg)	
Number of Stages	3.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

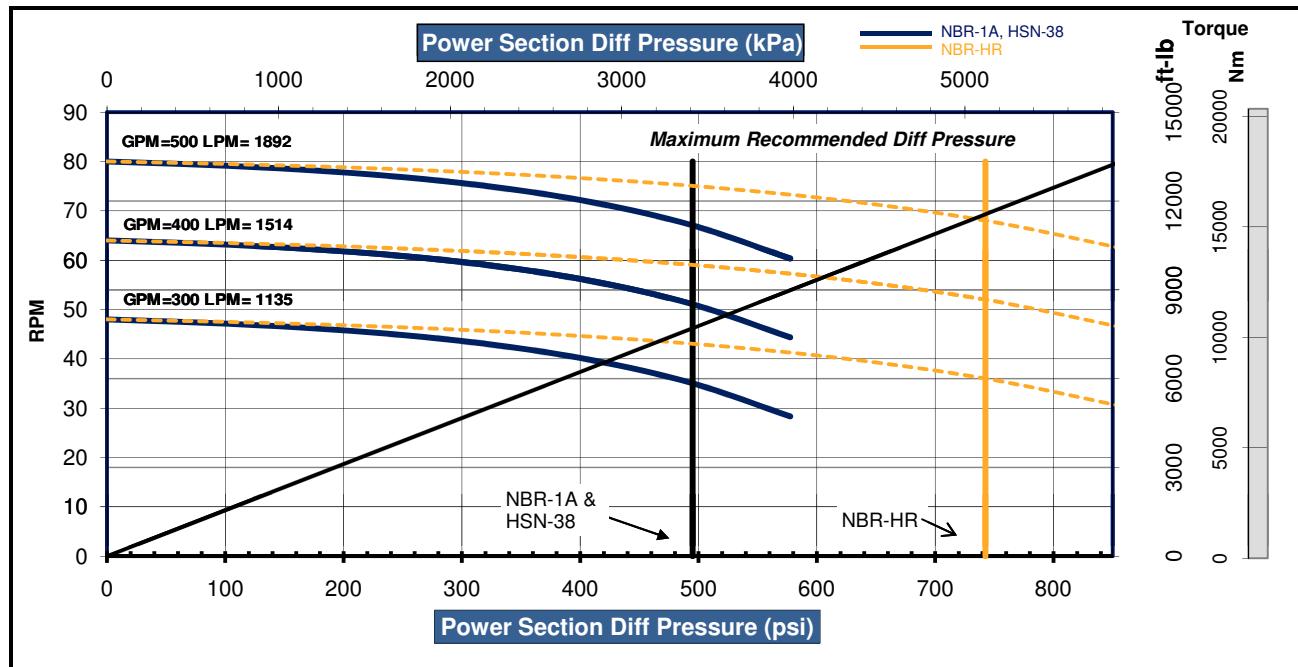
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.728 94.69
Oversize	3.755 95.38
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.010 0.25
Oversize	-0.017 -0.43
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.734 94.84
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.004 0.10
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	15.556 ft-lb/psi 3.059 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	500 (3410 ) 740 (5120 )
Rotation	0.160 Rev/Gal 0.042 Rev/Litre	Max Torque ft-lb (Nm)	7700 (10440 ) 11550 (15660 )
Speed Range	48 to 80 RPM	Stall Diff Press psi (kPa)	740 (5120 ) 1110 (7680 )
Off Bottom Press	67 psi 460 kPa	Stall Torque ft-lb (Nm)	11550 (15660 ) 17330 (23490 )
		Max Recommended HP(kW)	117 (87) 165 (123)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

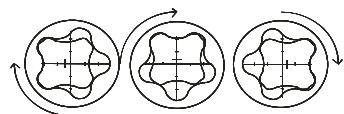
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD625783.5

6.25" 7/8 Lobes 3.5 Stages



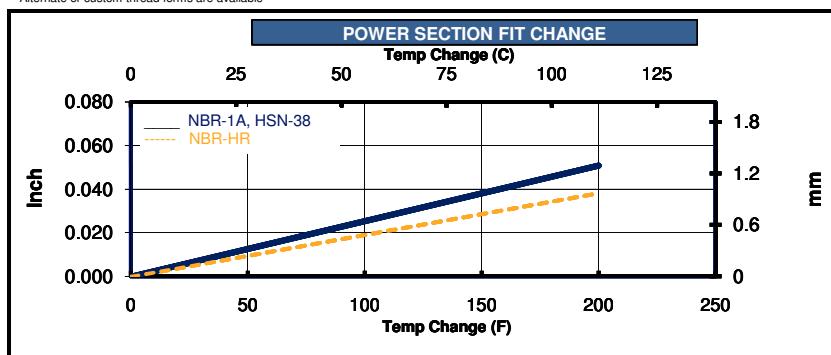
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	222.3	5645
Contour Length	216.3	5493
Eccentricity	0.225	5.72
Major Diameter	4.070	103.38
Head Diameter	3.500	88.90
Weight	602 (lbs) 273.1 (kg)	
Material	17-4SS	
Thread Form*	2 7/8" API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	231.3	5874
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	783 (lbs) 355 (kg)	
Number of Stages	3.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

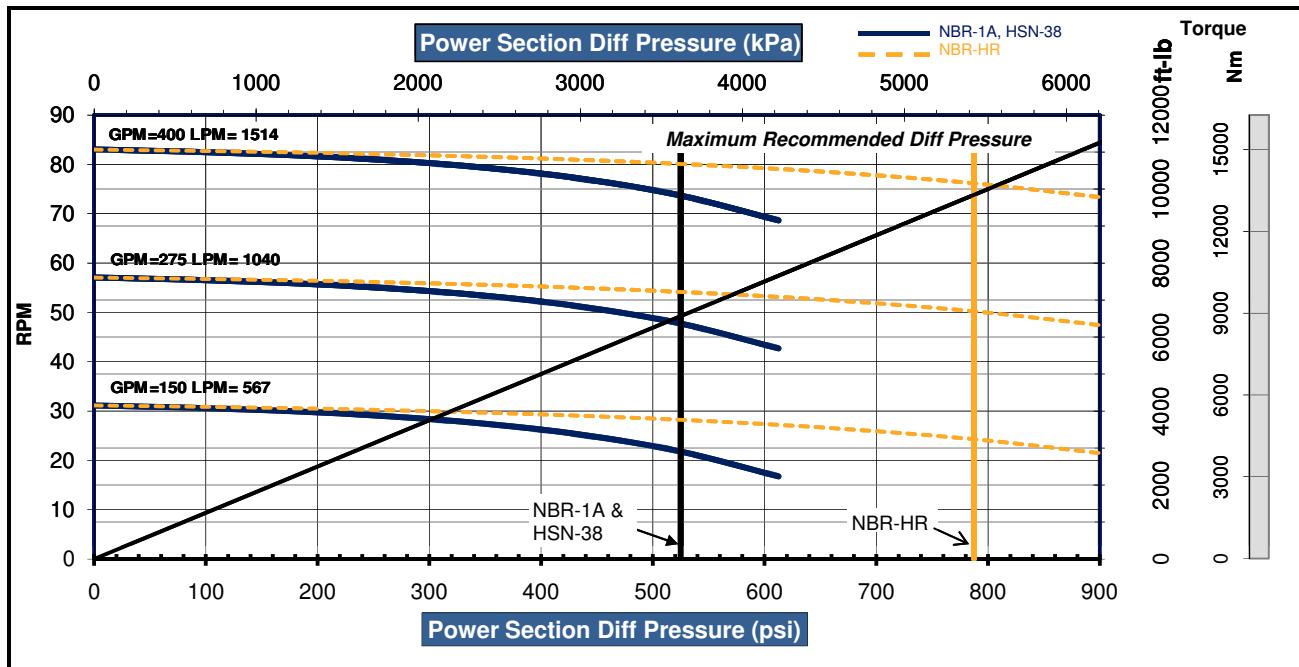
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	3.625 92.08
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.005
Oversize	-0.13
Second Oversize	

\* Alternate or custom thread forms are available

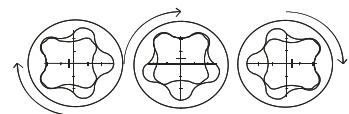


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.607 91.62
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	12.500 ft-lb/psi 2,458 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Diff Press psi (kPa)	530 (3620 ) 790 (5430 )
Rotation	0.208 Rev/Gal 0.055 Rev/Litre	Max Torque ft-lb (Nm)	6560 (8900 ) 9840 (13350 )
Speed Range	31 to 83 RPM	Stall Diff Press psi (kPa)	790 (5430 ) 1180 (8140 )
Off Bottom Press	51 psi 350 kPa	Stall Torque ft-lb (Nm)	9840 (13350 ) 14770 (20020 )
		Max Recommended HP(kW)	104 (77) 150 (112)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



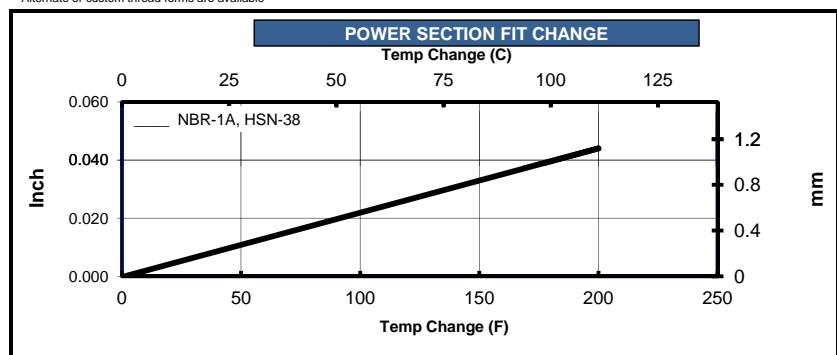
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	291.8	7410
Contour Length	285.3	7245
Eccentricity	0.235	5.97
Major Diameter	4.205	106.81
Head Diameter	4.000	101.60
Weight	847 (lbs) 384.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

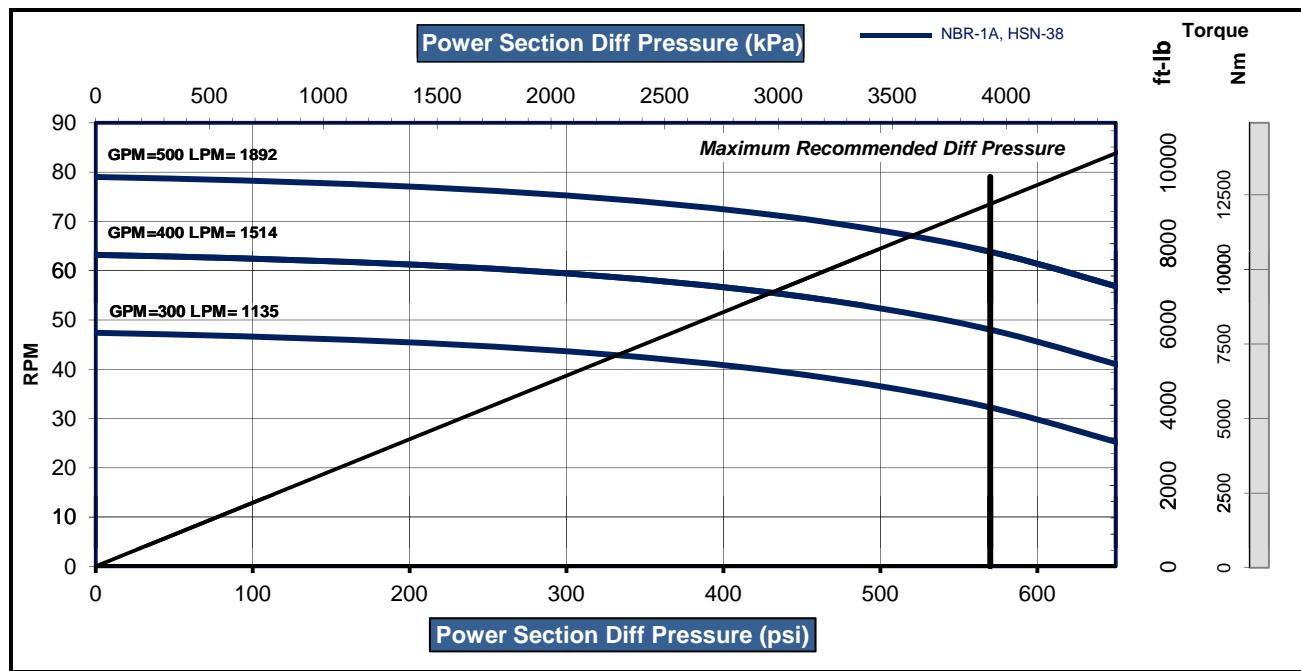
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	299.8	7614
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	868 (lbs) 394 (kg)	
Number of Stages	3.8	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.731	94.77
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.005	0.13
Oversize		
Double Oversize		

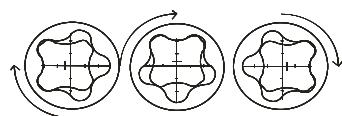
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	15.762 ft-lb/psi 3.100 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Torque ft-lb (Nm)	570 (3930 )
Rotation	0.158 Rev/Gal 0.042 Rev/Litre	Stall Diff Press psi (kPa)	8980 (12180 )
Speed Range	47 to 79 RPM	Stall Torque ft-lb (Nm)	860 (5900 )
Off Bottom Press	140 psi 970 kPa	Max Recommended HP(kW)	13480 (18270 )
		Max Recommended HP(kW)	135 (101)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



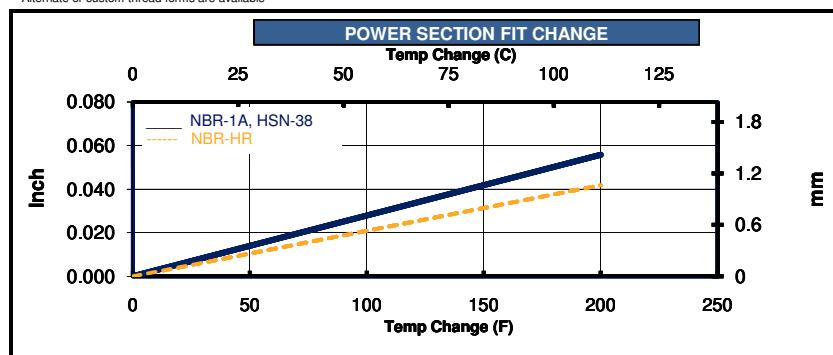
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	152.0	3861
Contour Length	145.5	3696
Eccentricity	0.22	5.59
Major Diameter	3.975	100.97
Head Diameter	3.625	92.10
Weight	388 (lbs) 176 (kg)	
Material		17-4SS
Thread Form*	2 7/8" API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	160.0	4064
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	550 (lbs) 249 (kg)	
Number of Stages		4.00
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

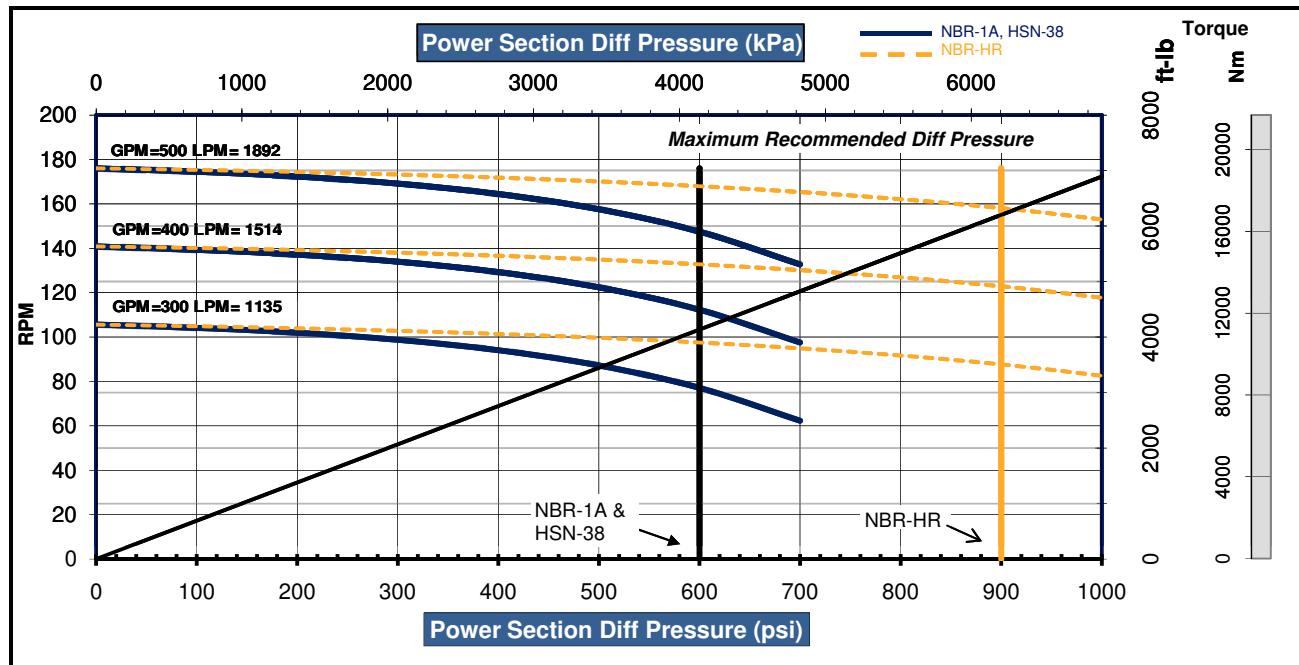
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	3.553 90.25
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.017
Oversize	-0.43
Second Oversize	

\* Alternate or custom thread forms are available

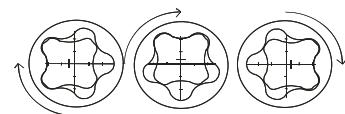


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.528 89.61
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.008 0.20
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	6.891 ft-lb/psi 1.355 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	600 (4140 ) 900 (6210 )
Rotation	0.352 Rev/Gal 0.093 Rev/Litre	Max Torque ft-lb (Nm)	4130 (5610 ) 6200 (8410 )
Speed Range	105 to 180 RPM	Stall Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Off Bottom Press	111 psi 770 kPa	Stall Torque ft-lb (Nm)	6200 (8410 ) 9300 (12610 )
		Max Recommended HP(kW)	139 (103) 198 (148)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



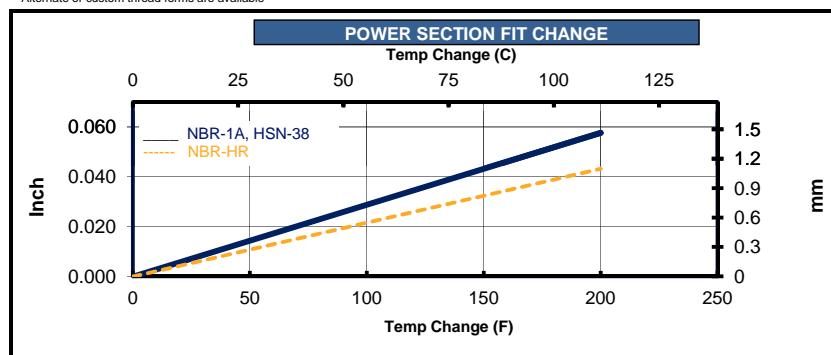
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	194.3	4934
Contour Length	187.8	4769
Eccentricity	0.226	5.74
Major Diameter	3.980	101.09
Head Diameter	3.500	88.90
Weight	497 (lbs) 225.4 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.2	5161
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Alternate Length	122	3099
Weight	721 (lbs) 327 (kg)	
Number of Stages	4.8	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

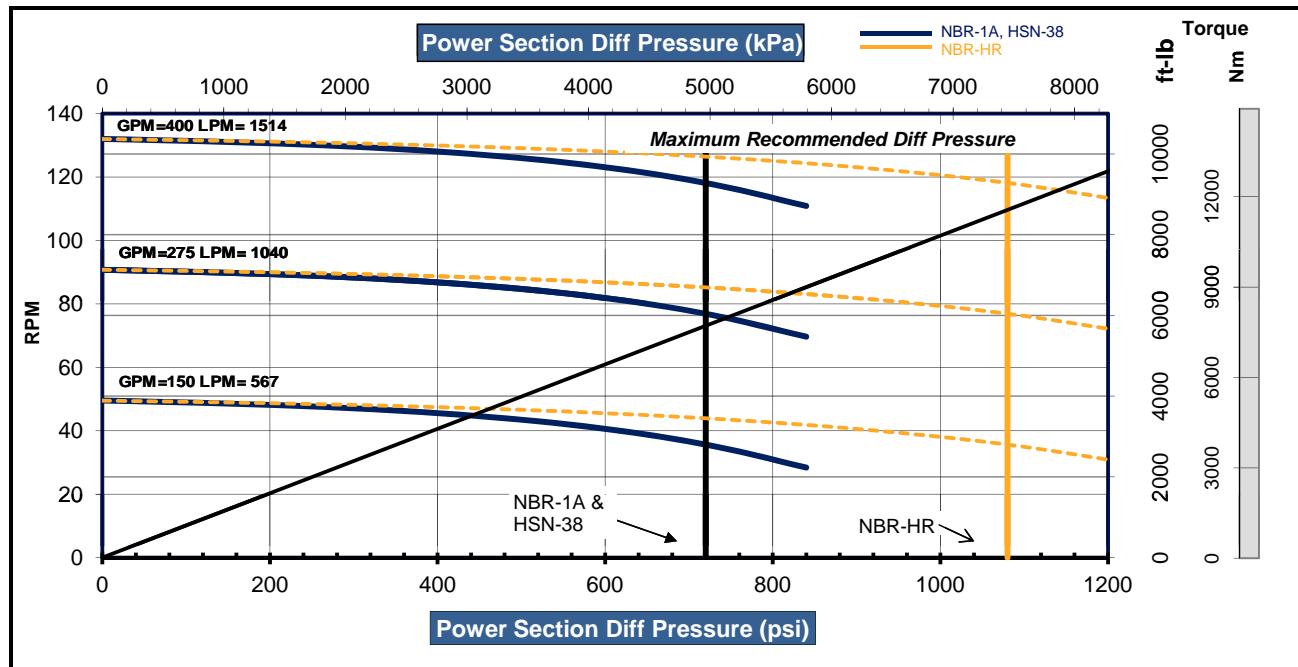
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.501 88.93
Oversize	3.529 89.64
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.027 0.69
Oversize	-0.001 -0.03
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.520 89.41
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.008 0.20
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.977 ft-lb/psi 1.569 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Diff Press psi (kPa)	720 (4960 ) 1080 (7450 )
Rotation	0.330 Rev/Gal 0.087 Rev/Litre	Max Torque ft-lb (Nm)	5740 (7790 ) 8620 (11680 )
Speed Range	49 to 140 RPM	Stall Diff Press psi (kPa)	1080 (7450 ) 1620 (11170 )
Off Bottom Press	88 psi 610 kPa	Stall Torque ft-lb (Nm)	8620 (11680 ) 12920 (17520 )
		Max Recommended HP(kW)	144 (108) 207 (154)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

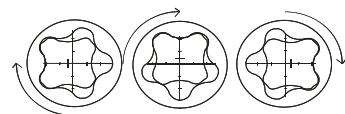
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD625786.7 SX3

6.25" 7/8 Lobes 6.7 Stages



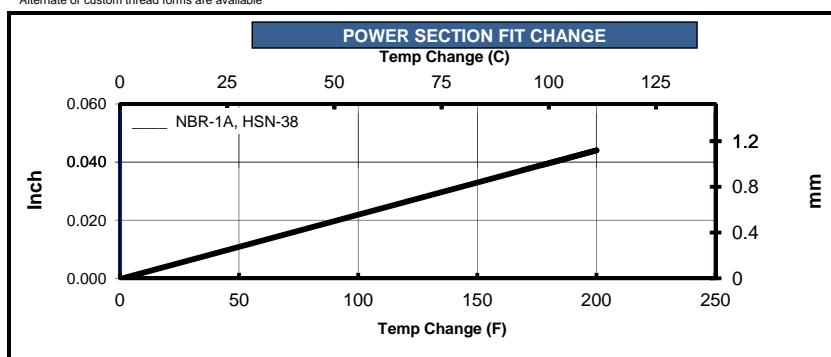
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	291.8	7410
Contour Length	285.3	7245
Eccentricity	0.236	5.99
Major Diameter	4.197	106.60
Head Diameter	4.000	101.60
Weight	847 (lbs) 384.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

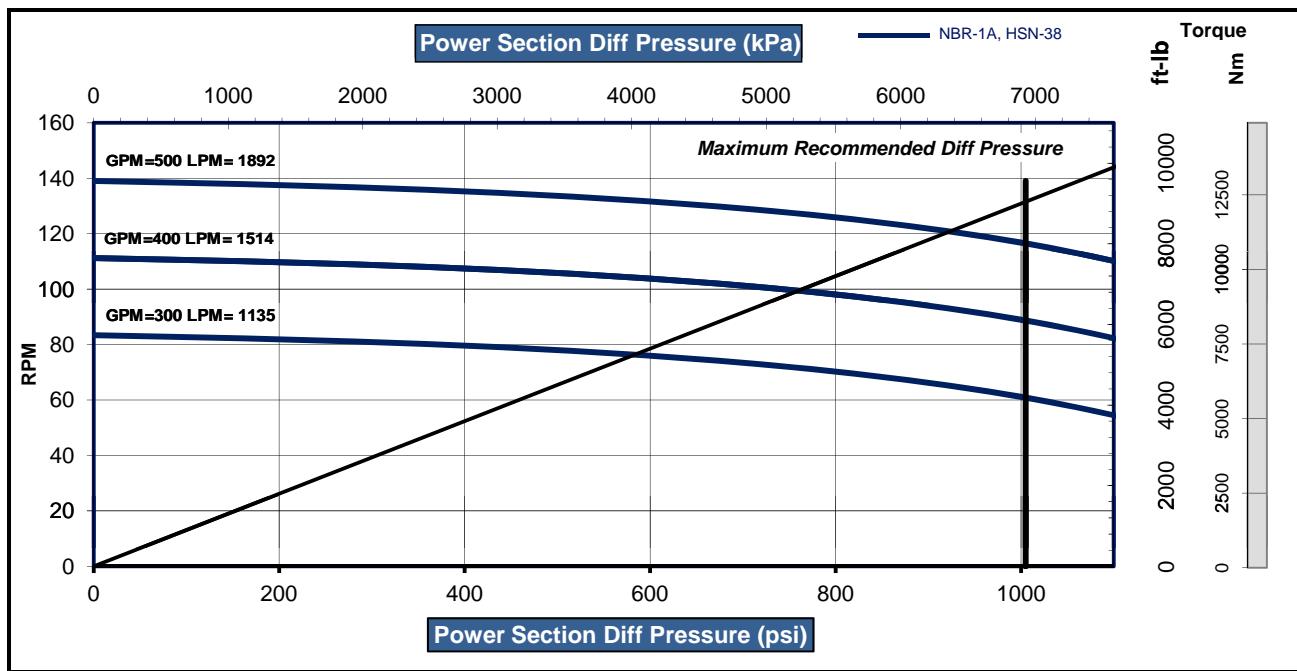
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	299.8	7614
Rubber Cut Back	8.0	203
Tube O.D.	6.25	158.8
Tube I.D.	5.00	127.0
Weight	868 (lbs) 394 (kg)	
Number of Stages	6.7	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.731	94.77
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.005	-0.13
Oversize		
Double Oversize		

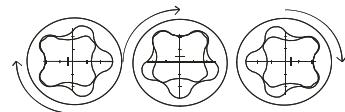
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.997 ft-lb/psi 1.769 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	1010 (6930 )
Rotation	0.278 Rev/Gal 0.073 Rev/Litre	Max Torque ft-lb (Nm)	9040 (12260 )
Speed Range	83 to 140 RPM	Stall Diff Press psi (kPa)	1510 (10390 )
Off Bottom Press	150 psi 1030 kPa	Stall Torque ft-lb (Nm)	13560 (18390 )
		Max Recommended HP(kW)	239 (179)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



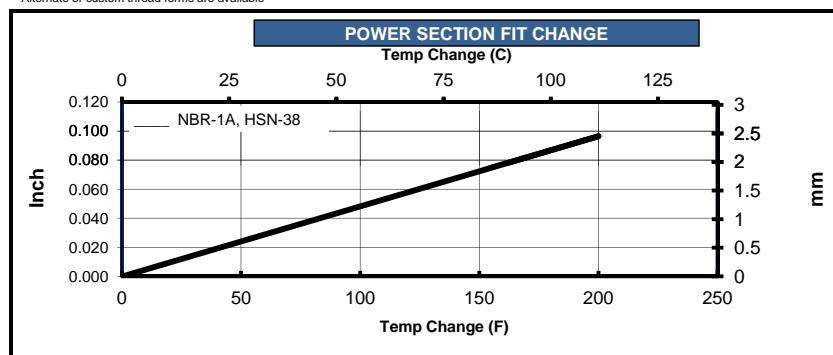
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	177.3	4502
Contour Length	171.3	4350
Eccentricity	0.5	12.7
Major Diameter	3.460	87.88
Head Diameter	3.500	88.90
Weight	387 (lbs) 175.5 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

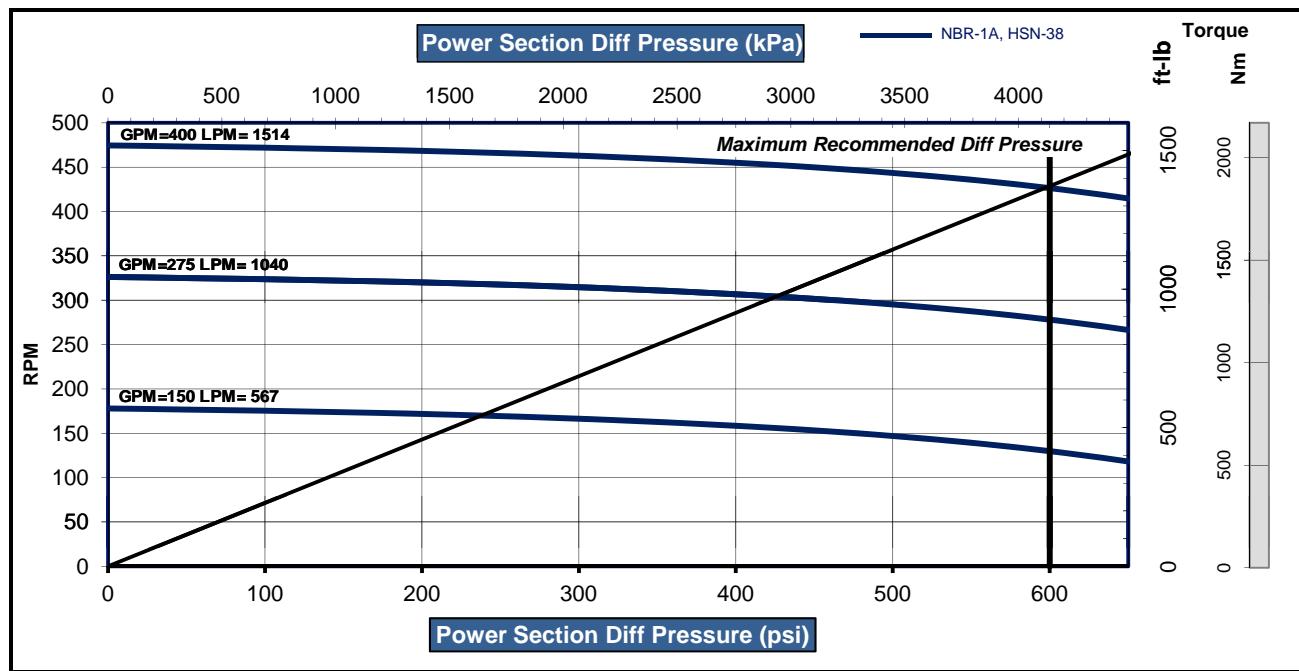
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	185.8	4718
Rubber Cut Back	9.0	229
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	592 (lbs) 269 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.385	60.58
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.075	1.91
Oversize		
Double Oversize		

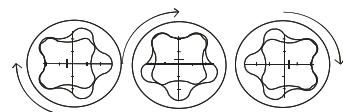
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.286 ft-lb/psi 0.450 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Torque ft-lb (Nm)	600 (4140 )
Rotation	1.186 Rev/Gal 0.313 Rev/Litre	Stall Diff Press psi (kPa)	1370 (1860 )
Speed Range	177 to 480 RPM	Stall Torque ft-lb (Nm)	900 (6210 )
Off Bottom Press	324 psi 2230 kPa	Max Recommended HP(kW)	2060 (2790 )
			124 (92)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



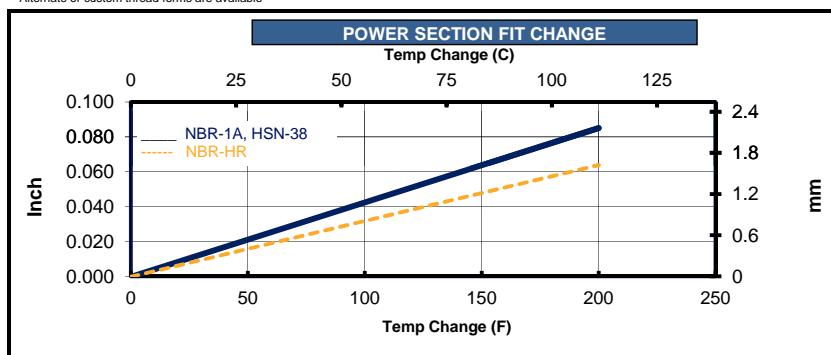
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	196.0	4978
Contour Length	189.0	4801
Eccentricity	0.407	10.34
Major Diameter	4.033	102.44
Head Diameter	3.500	88.90
Weight	427 (lbs) 193.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.5	5169
Rubber Cut Back	7.5	191
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Alternate Length	122	3099
Weight	648 (lbs) 294 (kg)	
Number of Stages	7.8	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

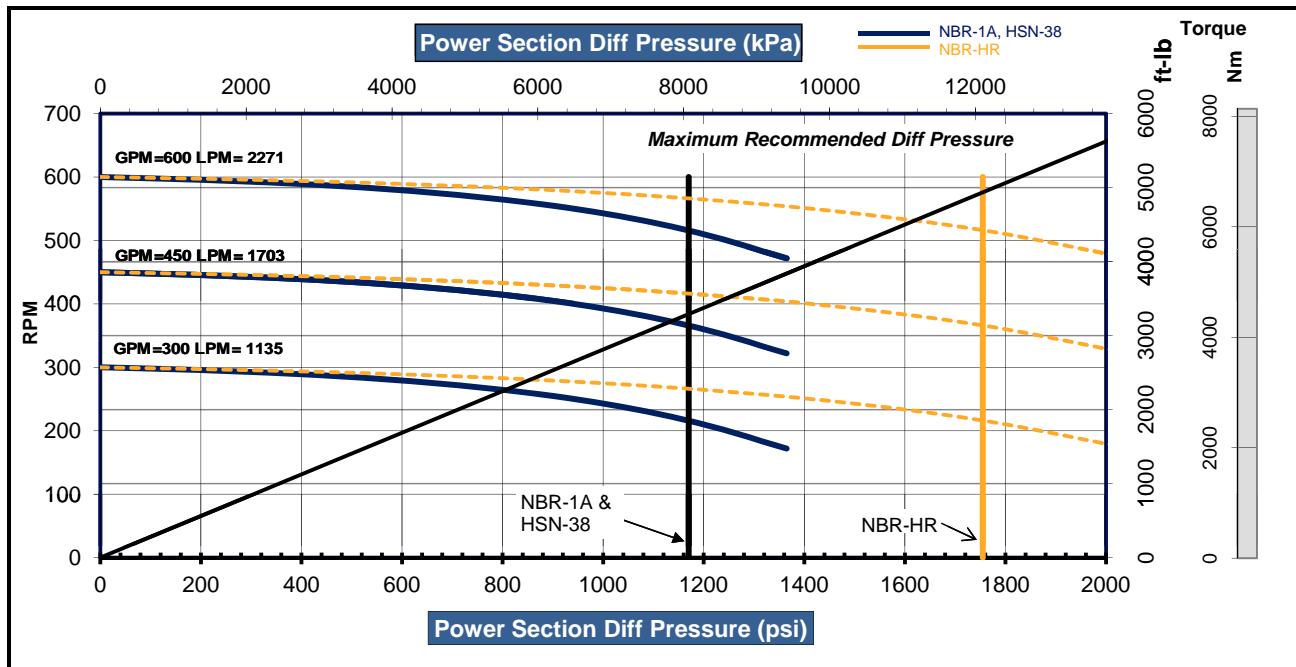
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.217 81.71
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.003 0.08
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

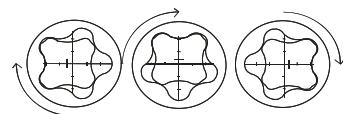


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.209 81.51
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.011 0.28
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.813 ft-lb/psi 0.553 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	1170 (8070 ) 1760 (12100 )
Rotation	1.000 Rev/Gal 0.264 Rev/Litre	Stall Diff Press psi (kPa)	3290 (4460 ) 4940 (6690 )
Speed Range	300 to 600 RPM	Stall Torque ft-lb (Nm)	1760 (12100 ) 2630 (18150 )
Off Bottom Press	229 psi 1580 kPa	Max Recommended HP(kW)	4940 (6690 ) 7400 (10040 )
			376 (280) 532 (397)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



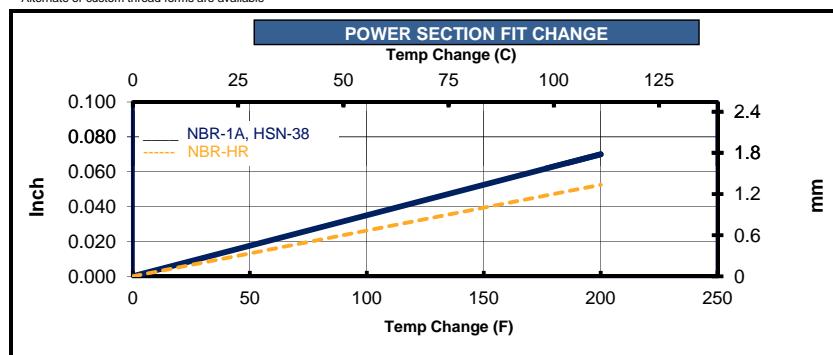
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	202.5	5144
Contour Length	195.5	4966
Eccentricity	0.355	9.02
Major Diameter	4.220	107.19
Head Diameter	4.000	101.60
Weight	500 (lbs) 226.8 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	214.6	5452
Rubber Cut Back	7.5	191
Tube O.D.	6.50	165.1
Tube I.D.	5.40	137.2
Alternate Length	122	3099
Weight	742 (lbs) 337 (kg)	
Number of Stages	7.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

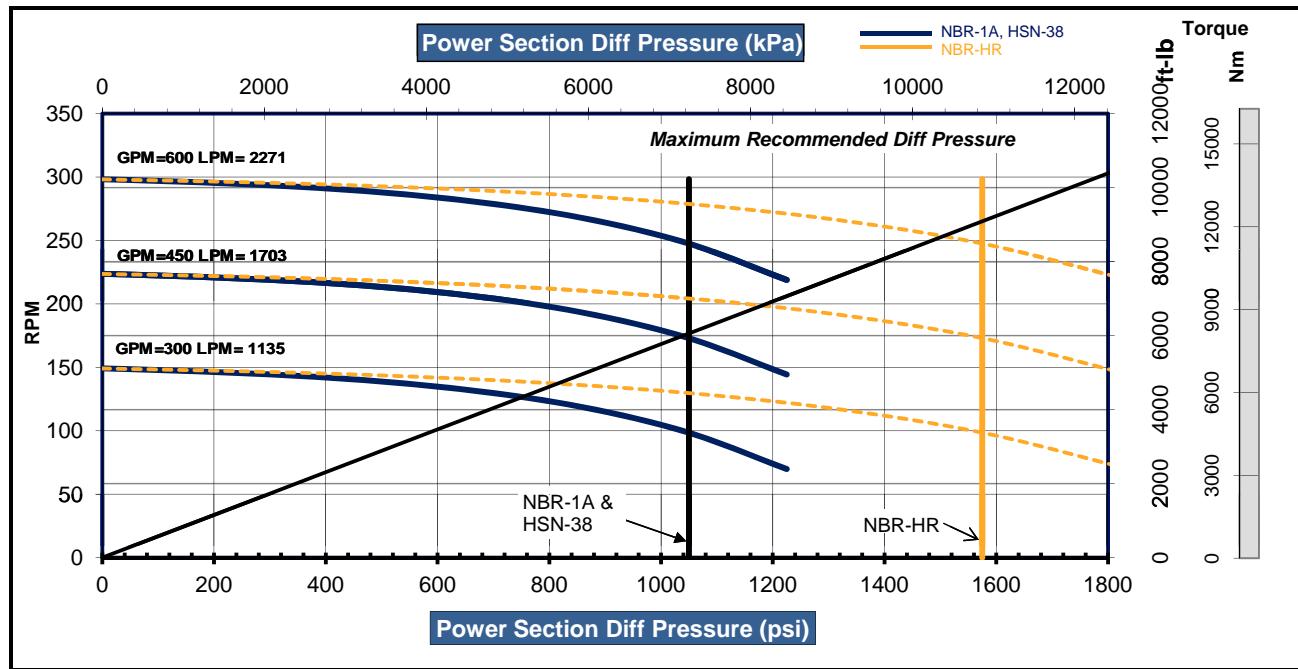
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.481 88.42
Oversize	3.506 89.05
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.029 0.74
Oversize	0.004 0.10
Second Oversize	

\* Alternate or custom thread forms are available

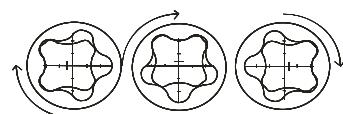


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.497 88.82
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	5.770 ft-lb/psi 1.135 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	1050 (7240 ) 1580 (10860 )
Rotation	0.497 Rev/Gal 0.131 Rev/Litre	Stall Diff Press psi (kPa)	6060 (8220 ) 9090 (12330 )
Speed Range	149 to 300 RPM	Stall Torque ft-lb (Nm)	1580 (10860 ) 2360 (16290 )
Off Bottom Press	206 psi 1420 kPa	Max Recommended HP(kW)	9090 (12330 ) 13630 (18490 )
			344 (257) 482 (360)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



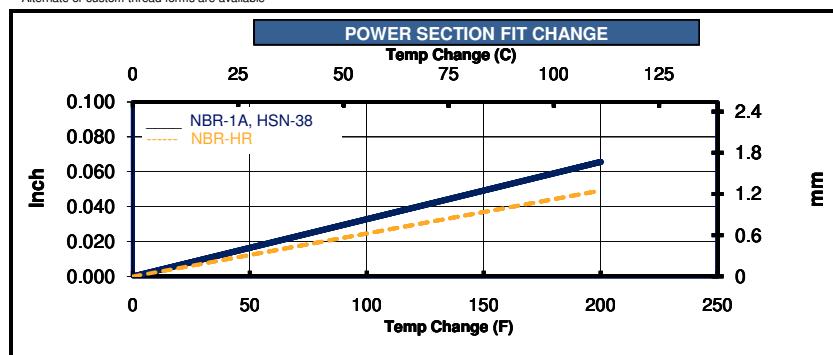
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	196.5	4991
Contour Length	189.5	4813
Eccentricity	0.326	8.28
Major Diameter	3.872	98.35
Head Diameter	3.500	88.90
Weight	416 (lbs) 188.7 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.5	5169
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	866 (lbs) 393 (kg)	
Number of Stages	7.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

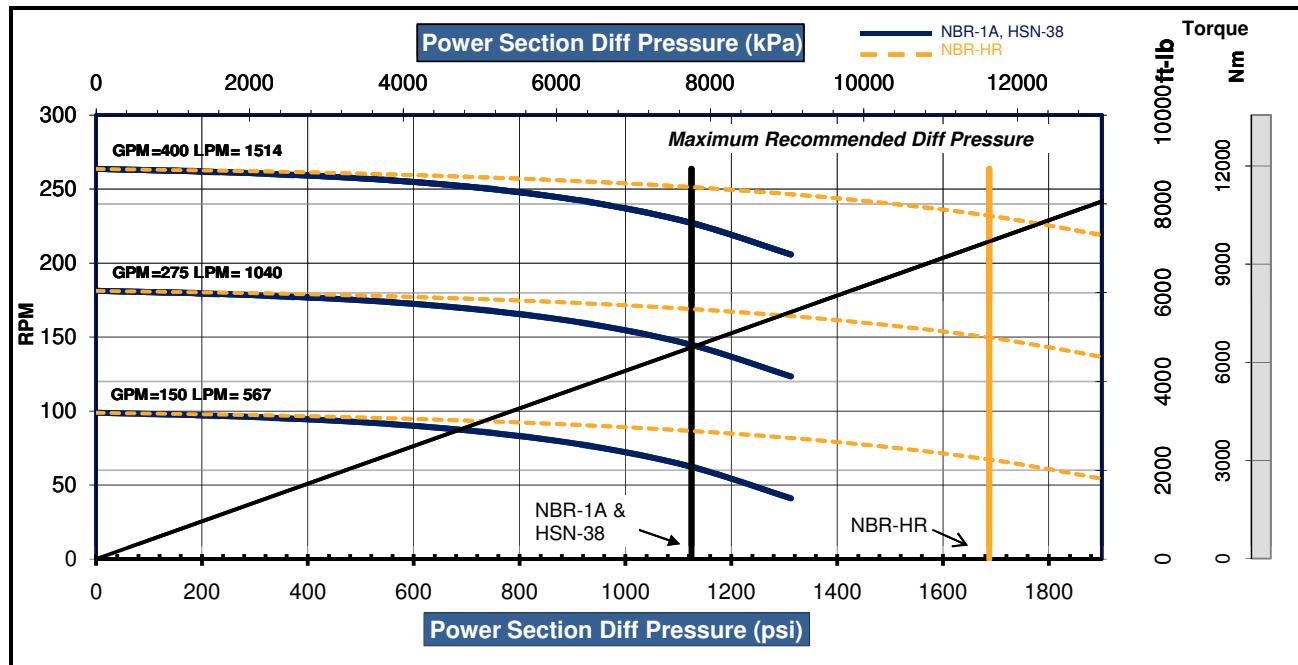
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.203 81.36
Oversize	3.239 82.27
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.017 0.43
Oversize	-0.019 -0.48
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.209 81.51
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.011 0.28
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	4.239 ft-lb/psi 0.834 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Diff Press psi (kPa)	1130 (7760 ) 1690 (11630 )
Rotation	0.659 Rev/Gal 0.174 Rev/Litre	Max Torque ft-lb (Nm)	4770 (6470 ) 7150 (9700 )
Speed Range	98 to 270 RPM	Stall Diff Press psi (kPa)	1690 (11630 ) 2530 (17450 )
Off Bottom Press	127 psi 880 kPa	Stall Torque ft-lb (Nm)	7150 (9700 ) 10730 (14560 )
		Max Recommended HP(kW)	239 (179) 342 (255)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

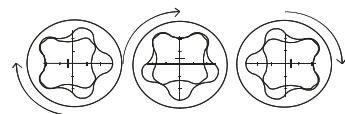
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel: (403) 206-3052 Fax: (403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD650563.5

6.5" 5/6 Lobes 3.5 Stages



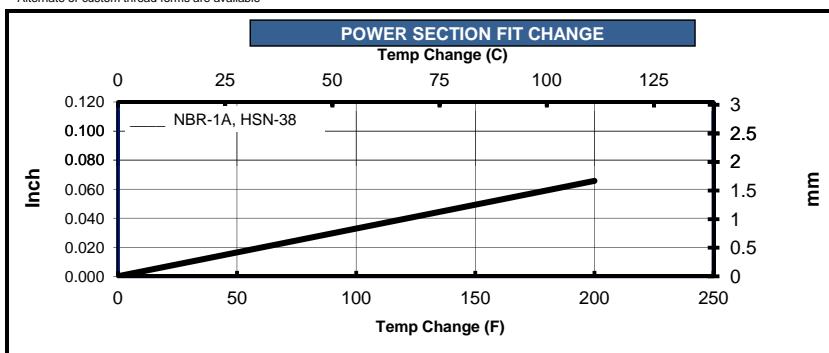
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	146.0	3708
Contour Length	140.0	3556
Eccentricity	0.275	6.99
Major Diameter	3.870	98.30
Head Diameter	3.500	88.90
Weight	N/A (lbs) N/A (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

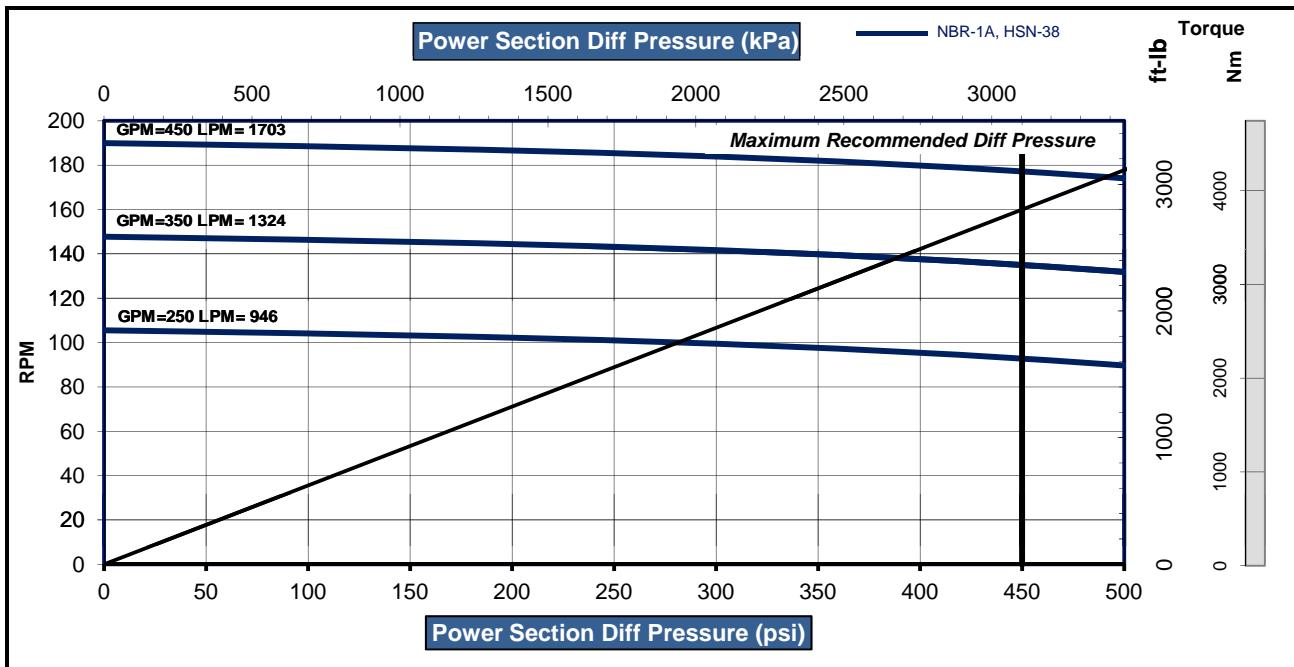
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	152.0	3861
Rubber Cut Back	7.0	178
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	N/A (lbs) N/A (kg)	
Number of Stages	3.5	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.280	83.31
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.040	1.02
Oversize		
Double Oversize		

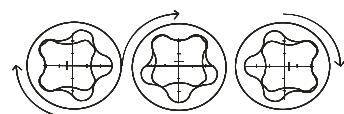
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	6.222 ft-lb/psi 1.224 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	250 to 450 GPM 950 to 1700 Litre/min	Max Torque ft-lb (Nm)	450 (3100 )
Rotation	0.422 Rev/Gal 0.112 Rev/Litre	Stall Diff Press psi (kPa)	2800 (3800 )
Speed Range	105 to 190 RPM	Stall Torque ft-lb (Nm)	680 (4650 )
Off Bottom Press	141 psi 970 kPa	Max Recommended HP(kW)	4200 (5700 )
		Max Recommended HP(kW)	101 (76)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



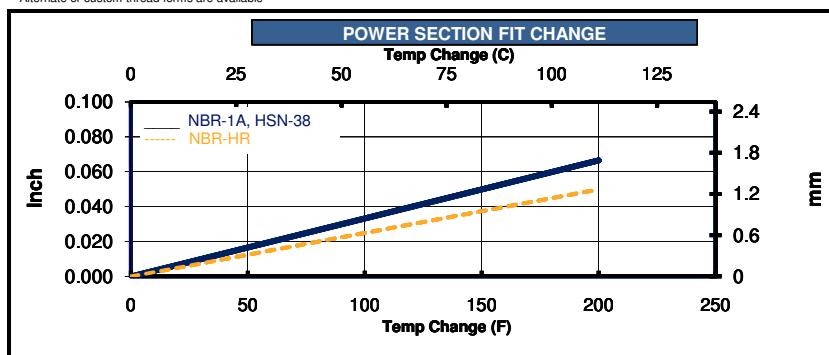
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	194.0	4928
Contour Length	188.0	4775
Eccentricity	0.288	7.32
Major Diameter	4.316	109.63
Head Diameter	4.000	101.60
Weight	521 (lbs) 236.3 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	200.0	5080
Rubber Cut Back	7.3	184
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Alternate Length	204	5182
Weight	613 (lbs) 278 (kg)	
Number of Stages	5.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

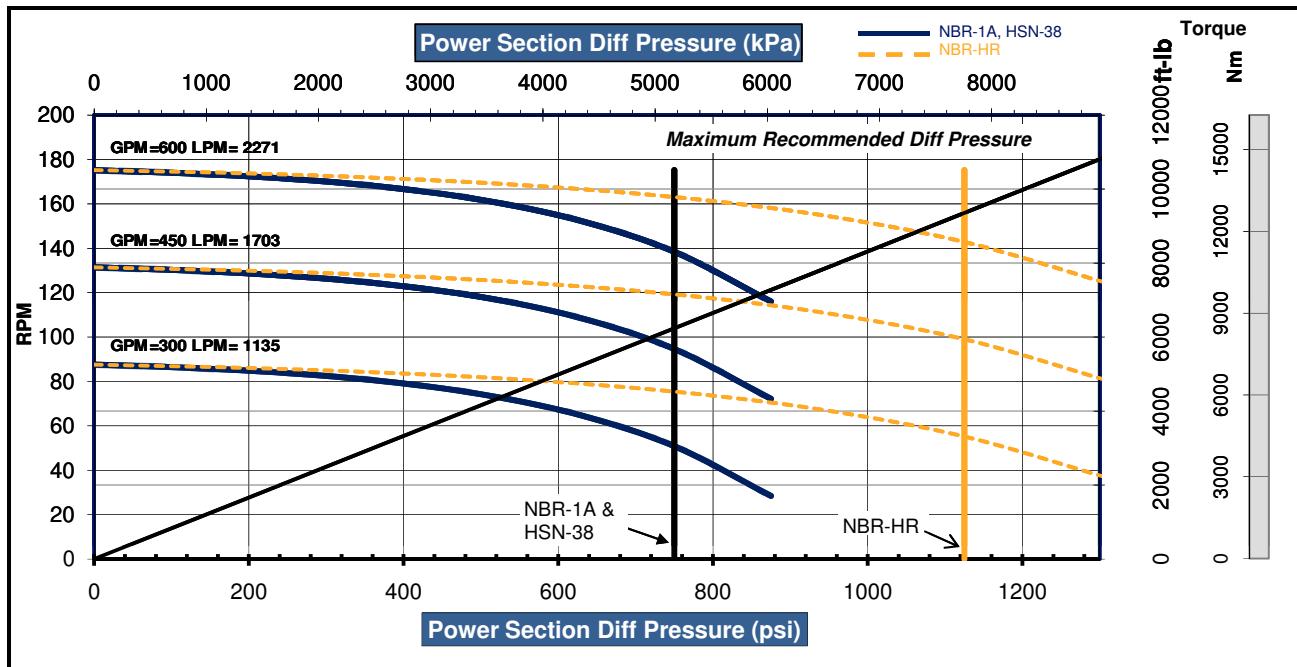
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.738 94.95
Oversize	3.759 95.48
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.001 0.03
Oversize	-0.020 -0.51
Second Oversize	

\* Alternate or custom thread forms are available

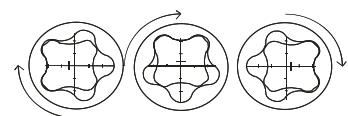


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.744 95.10
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.005 -0.13
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.313 ft-lb/psi 1.635 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	750 (5170 ) 1130 (7760 )
Rotation	0.292 Rev/Gal 0.077 Rev/Litre	Max Torque ft-lb (Nm)	6230 (8450 ) 9350 (12680 )
Speed Range	87 to 180 RPM	Stall Diff Press psi (kPa)	1130 (7760 ) 1690 (11630 )
Off Bottom Press	110 psi 760 kPa	Stall Torque ft-lb (Nm)	9350 (12680 ) 14030 (19020 )
		Max Recommended HP(kW)	208 (155) 290 (216)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



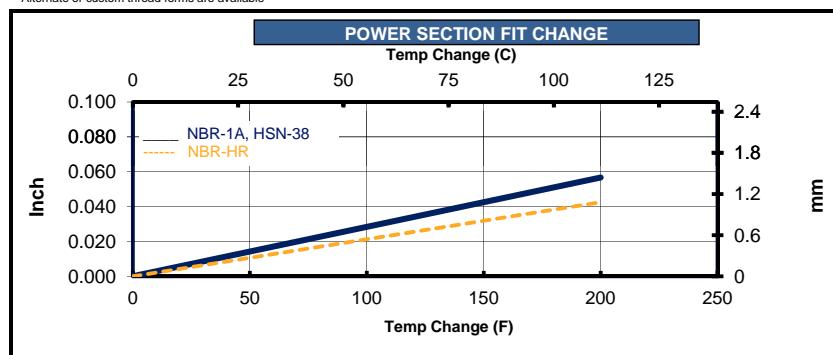
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	221.0	5613
Contour Length	213.0	5410
Eccentricity	0.224	5.69
Major Diameter	4.265	108.33
Head Diameter	4.000	101.60
Weight	655 (lbs) 297.1 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	230.0	5842
Rubber Cut Back	9.0	229
Tube O.D.	6.50	165.1
Tube I.D.	5.31	134.9
Alternate Length	122	3099
Weight	832 (lbs) 377 (kg)	
Number of Stages	2.1	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

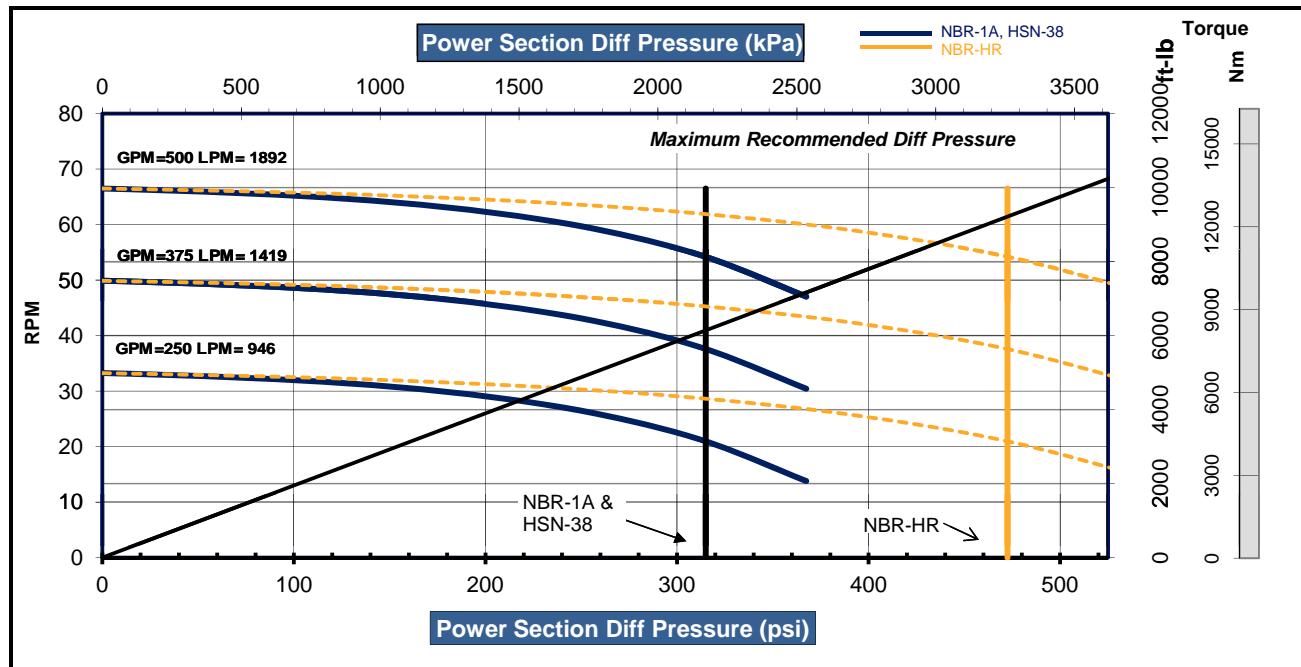
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.832 97.33
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.014 -0.36
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

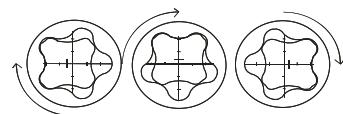


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.790 96.27
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.028 0.71
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	19.500 ft-lb/psi 3.835 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	250 to 500 GPM 950 to 1890 Litre/min	Max Diff Press psi (kPa)	320 (2170 ) 470 (3260 )
Rotation	0.133 Rev/Gal 0.035 Rev/Litre	Max Torque ft-lb (Nm)	6140 (8330 ) 9210 (12490 )
Speed Range	33 to 67 RPM	Stall Diff Press psi (kPa)	470 (3260 ) 710 (4890 )
Off Bottom Press	53 psi 370 kPa	Stall Torque ft-lb (Nm)	9210 (12490 ) 13820 (18740 )
		Max Recommended HP(kW)	78 (58) 109 (81)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



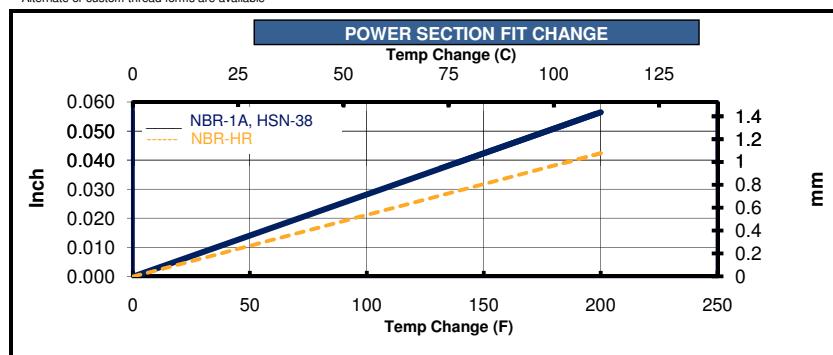
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	117.0	2972
Contour Length	110.0	2794
Eccentricity	0.226	5.74
Major Diameter	3.980	101.09
Head Diameter	3.500	88.90
Weight	364 (lbs) 165.1 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	130.0	3302
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	535 (lbs) 243 (kg)	
Number of Stages	2.80	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

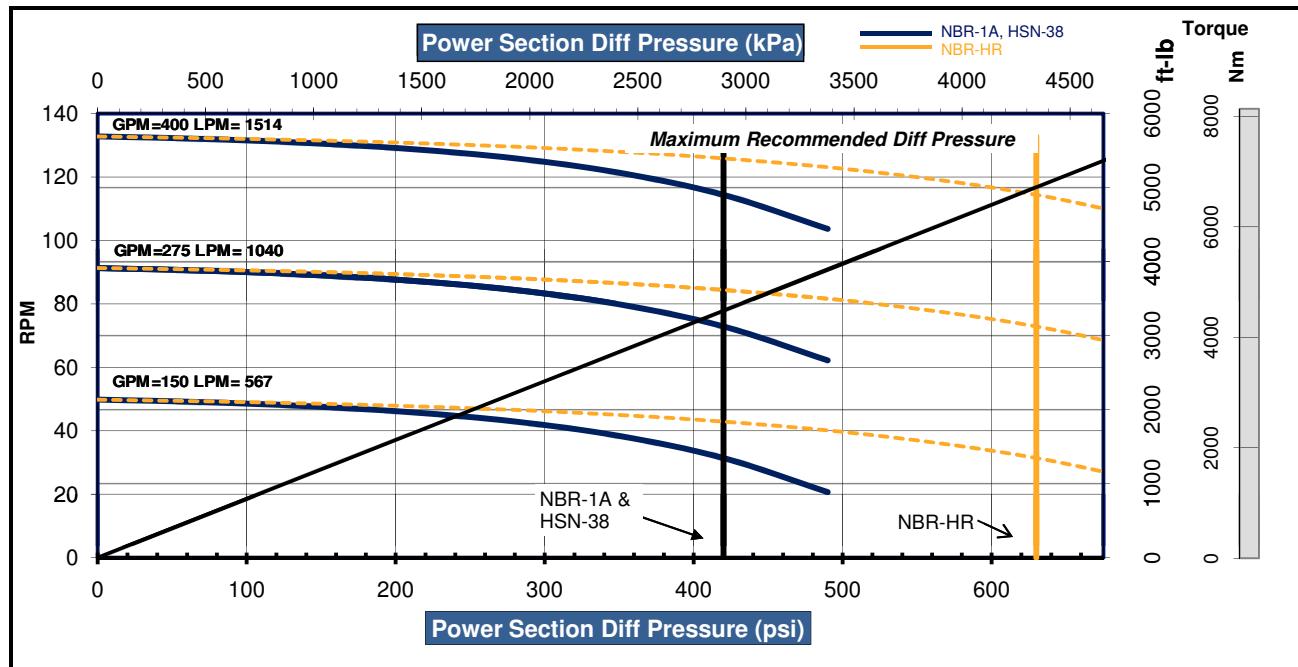
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	3.527 89.59
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.001
Oversize	0.03
Second Oversize	

\* Alternate or custom thread forms are available

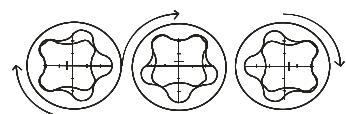


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.506 89.05
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.022 0.56
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.945 ft-lb/psi 1.562 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Diff Press psi (kPa)	420 (2900 ) 630 (4340 )
Rotation	0.332 Rev/Gal 0.088 Rev/Litre	Max Torque ft-lb (Nm)	3340 (4520 ) 5010 (6780 )
Speed Range	49 to 140 RPM	Stall Diff Press psi (kPa)	630 (4340 ) 950 (6520 )
Off Bottom Press	61 psi 420 kPa	Stall Torque ft-lb (Nm)	5010 (6780 ) 7510 (10180 )
		Max Recommended HP(kW)	84 (63) 120 (90)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



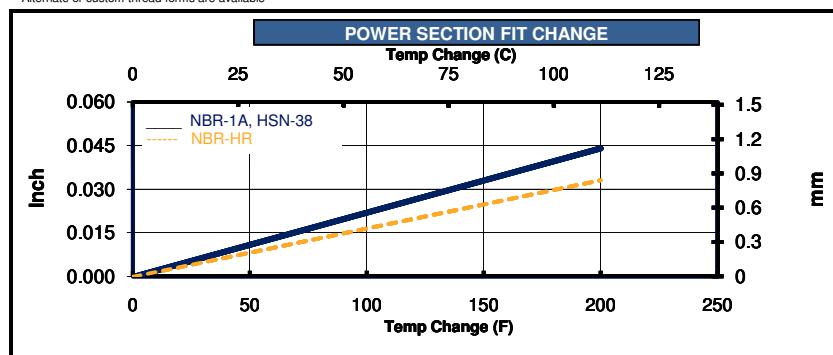
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.8	5607
Contour Length	214.3	5442
Eccentricity	0.233	5.92
Major Diameter	4.203	106.76
Head Diameter	4.000	101.60
Weight	570 (lbs) 258.6 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 or 2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	228.8	5810
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	829 (lbs) 376 (kg)	
Number of Stages	2.90	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

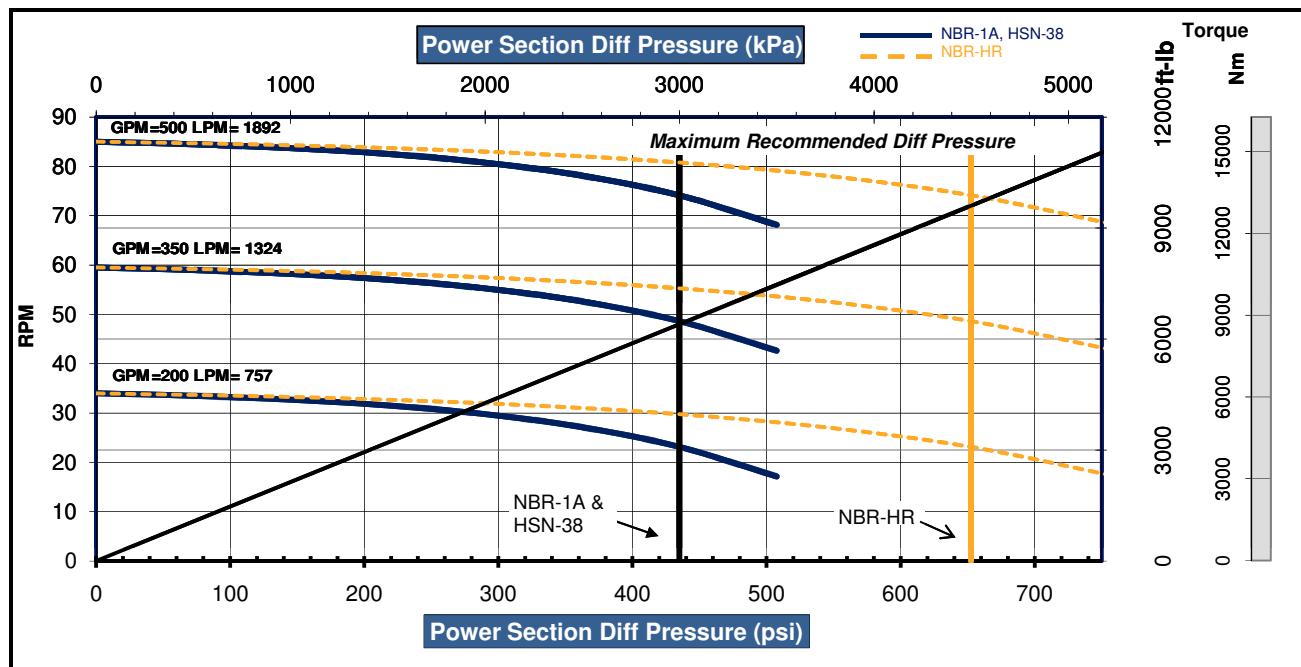
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.737 94.92
Oversize	3.755 95.38
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.001 0.03
Oversize	-0.017 -0.43
Second Oversize	

\* Alternate or custom thread forms are available

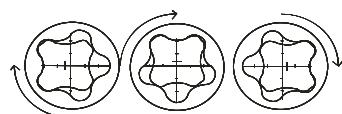


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.711 94.26
Standard	3.738 94.95
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.027 0.69
Standard	0.000 0.00
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	14.713 ft-lb/psi 2.893 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	200 to 500 GPM 760 to 1890 Litre/min	Max Diff Press psi (kPa)	440 (3000 ) 650 (4500 )
Rotation	0.170 Rev/Gal 0.045 Rev/Litre	Max Torque ft-lb (Nm)	6400 (8680 ) 9600 (13020 )
Speed Range	34 to 85 RPM	Stall Diff Press psi (kPa)	650 (4500 ) 980 (6750 )
Off Bottom Press	56 psi 390 kPa	Stall Torque ft-lb (Nm)	9600 (13020 ) 14400 (19520 )
		Max Recommended HP(kW)	104 (77) 148 (110)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



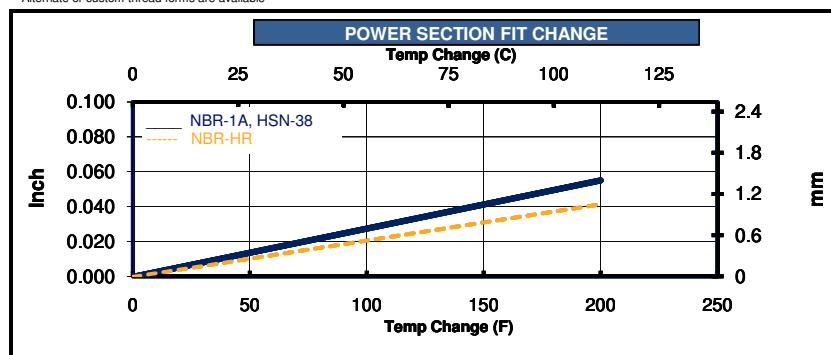
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	118.5	3010
Contour Length	111.5	2832
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.000	101.60
Weight	391 (lbs) 177.4 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	125.0	3175
Rubber Cut Back	7.3	184
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Alternate Length	131	3327
Weight	388 (lbs) 176 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

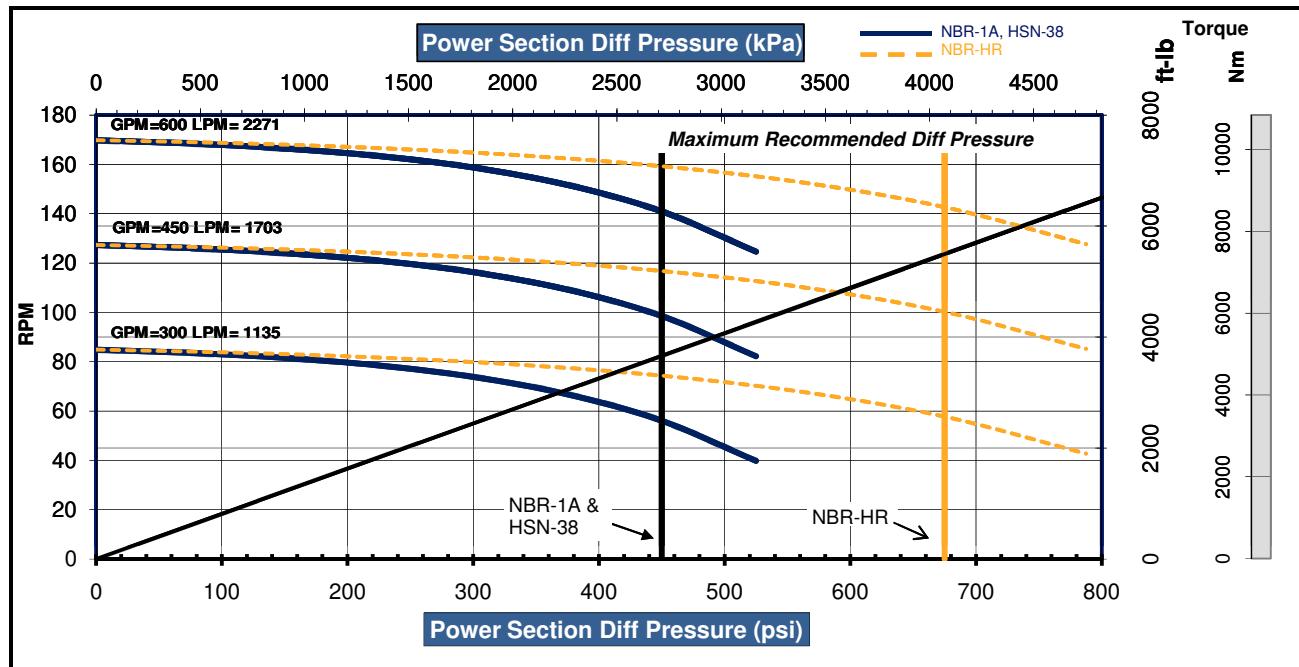
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.985 101.22
Oversize	4.013 101.93
Second Oversize	4.037 102.54
Nominal Fit at 75 F (25 C)	
Standard	0.023 0.58
Oversize	-0.005 -0.13
Second Oversize	-0.029 -0.74

\* Alternate or custom thread forms are available

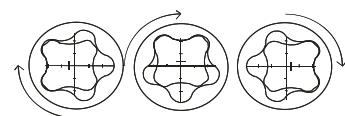


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.987 101.27
Standard	4.012 101.90
Nominal Fit at 75 F (25 C)	
Undersize	0.021 0.53
Standard	-0.004 -0.10

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.283 Rev/Gal 0.075 Rev/Litre	Max Torque ft-lb (Nm)	4190 (5670 ) 6280 (8510 )
Speed Range	84 to 170 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	111 psi 770 kPa	Stall Torque ft-lb (Nm)	6280 (8510 ) 9420 (12770 )
		Max Recommended HP(kW)	135 (101) 190 (142)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



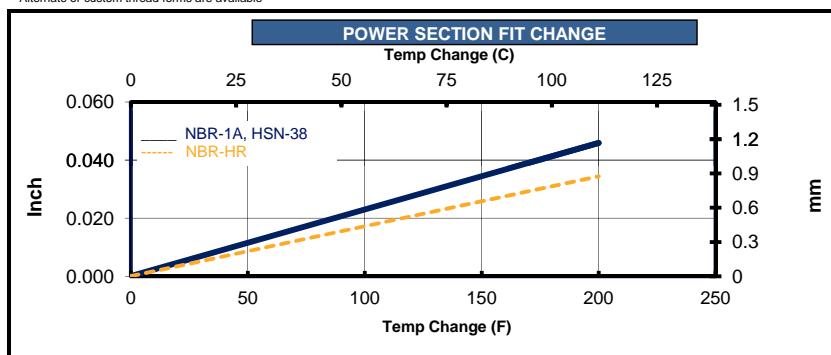
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	197.5	5017
Contour Length	191.0	4851
Eccentricity	0.255	6.48
Major Diameter	4.570	116.08
Head Diameter	4.000	101.60
Weight	570 (lbs) 258.6 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	204.0	5182
Rubber Cut Back	7.5	191
Tube O.D.	6.50	165.1
Tube I.D.	5.40	137.2
Alternate Length	122	3099
Weight	645 (lbs) 293 (kg)	
Number of Stages	3.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

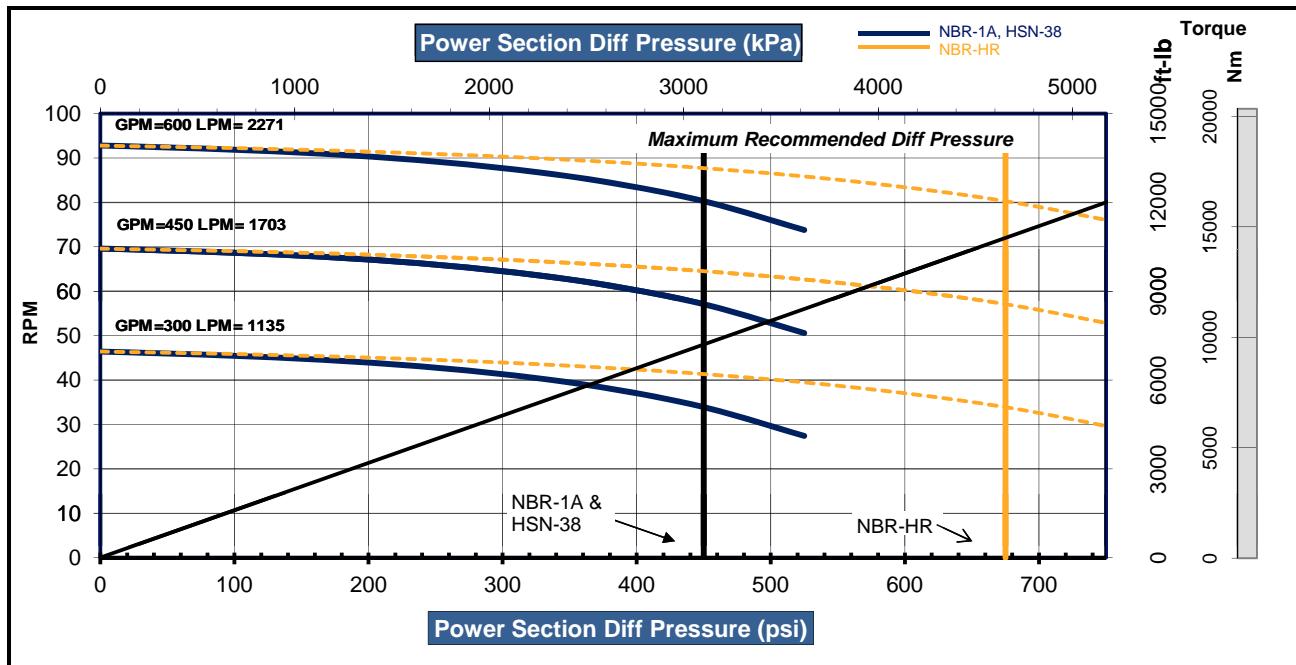
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.045 102.74
Oversize	4.064 103.23
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.015 0.38
Oversize	-0.004 -0.10
Double Oversize	

\* Alternate or custom thread forms are available

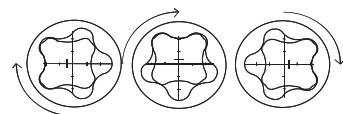


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.045 102.74
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.015 0.38
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.001 ft-lb/psi 3.146 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.155 Rev/Gal 0.041 Rev/Litre	Max Torque ft-lb (Nm)	7200 (9760 ) 10800 (14640 )
Speed Range	46 to 93 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	75 psi 520 kPa	Stall Torque ft-lb (Nm)	10800 (14640 ) 16200 (21960 )
		Max Recommended HP(kW)	127 (95) 180 (134)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



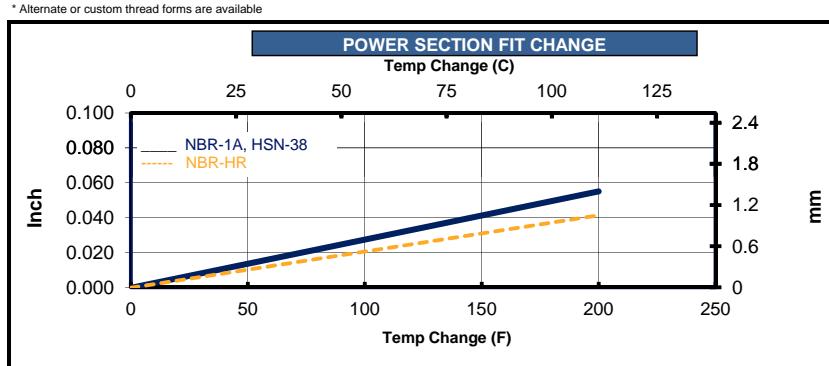
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	238.5	6058
Contour Length	231.5	5880
Eccentricity	0.255	6.48
Major Diameter	4.500	114.30
Head Diameter	4.000	101.60
Weight	803 (lbs) 364.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available

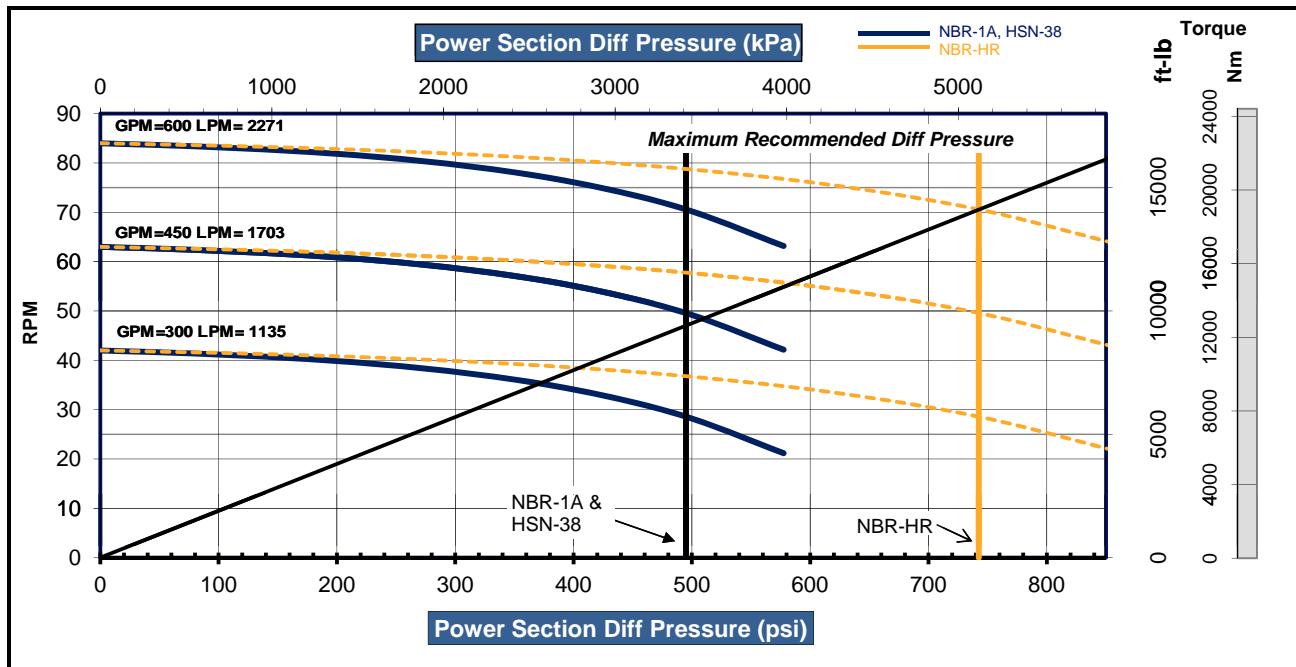
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	245.0	6223
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Alternate Length	122	3099
Weight	729 (lbs) 331 (kg)	
Number of Stages	3.3	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.986 101.24
Oversize	4.003 101.68
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.004 0.10
Oversize	-0.013 -0.33
Second Oversize	

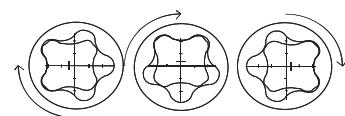


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.986 101.24
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.004 0.10
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	19.000 ft-lb/psi 3.736 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	500 (3410 ) 740 (5120 )
Rotation	0.140 Rev/Gal 0.037 Rev/Litre	Max Torque ft-lb (Nm)	9410 (12750 ) 14110 (19130 )
Speed Range	42 to 84 RPM	Stall Diff Press psi (kPa)	740 (5120 ) 1110 (7680 )
Off Bottom Press	150 psi 1030 kPa	Stall Torque ft-lb (Nm)	14110 (19130 ) 21160 (28690 )
		Max Recommended HP(kW)	150 (112) 212 (158)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



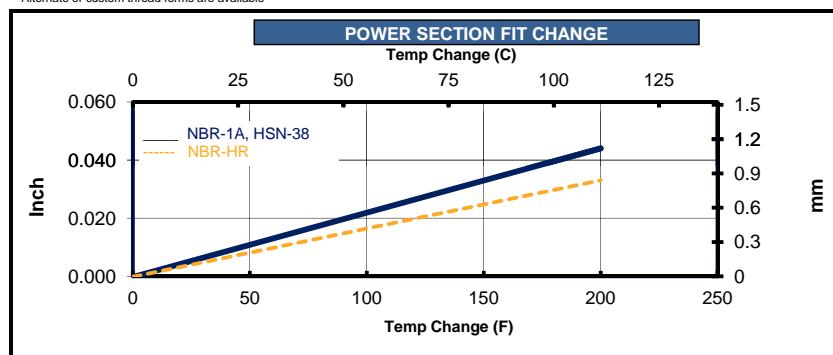
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	245.5	6236
Eccentricity	0.233	5.92
Major Diameter	4.203	106.76
Head Diameter	4.000	101.60
Weight	746 (lbs) 338.4 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 or 2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Alternate Length	122	3099
Weight	939 (lbs) 426 (kg)	
Number of Stages	3.3	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

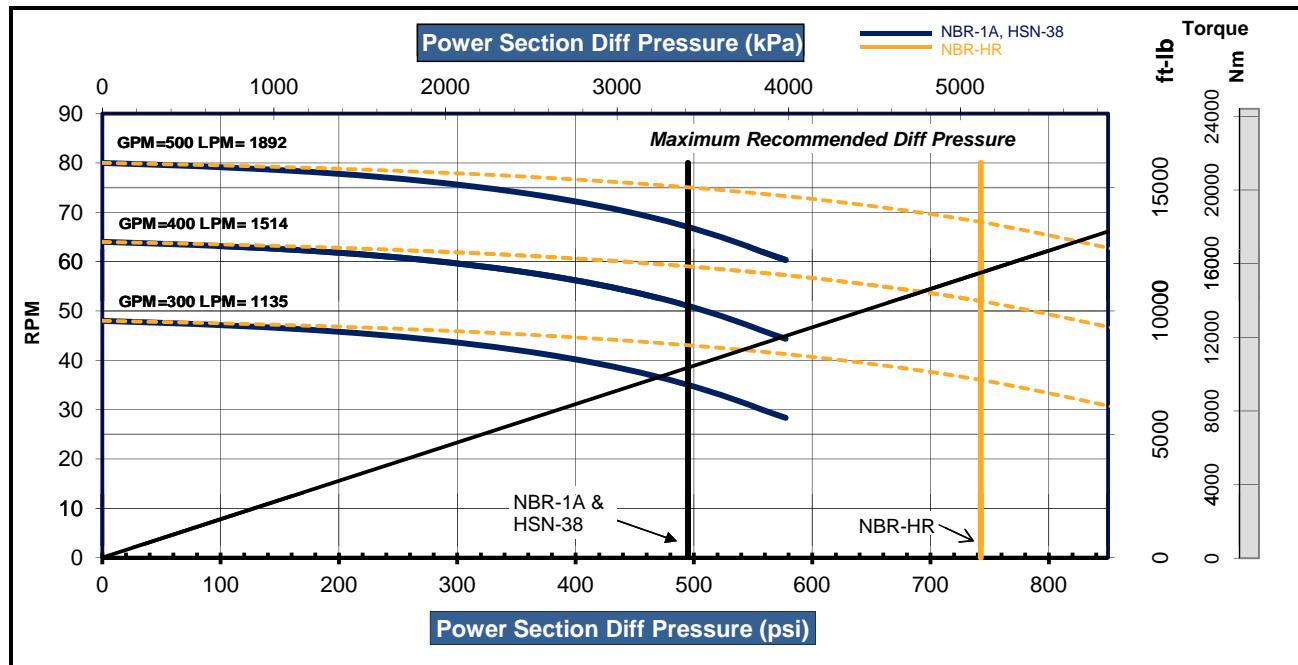
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.736 94.89
Oversize	3.755 95.38
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.002 0.05
Oversize	-0.017 -0.43
Second Oversize	

\* Alternate or custom thread forms are available

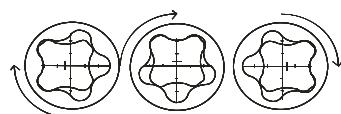


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.722 94.54
Standard	3.734 94.84
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.016 0.41
Standard	0.004 0.10
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	15.556 ft-lb/psi 3.059 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	500 (3410 ) 740 (5120 )
Rotation	0.160 Rev/Gal 0.042 Rev/Litre	Max Torque ft-lb (Nm)	7700 (10440 ) 11550 (15660 )
Speed Range	48 to 80 RPM	Stall Diff Press psi (kPa)	740 (5120 ) 1110 (7680 )
Off Bottom Press	64 psi 440 kPa	Stall Torque ft-lb (Nm)	11550 (15660 ) 17330 (23490 )
		Max Recommended HP(kW)	117 (87) 165 (123)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



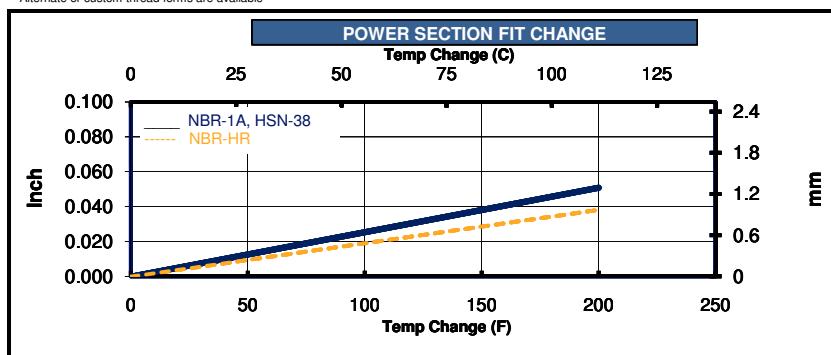
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	222.3	5645
Contour Length	216.3	5493
Eccentricity	0.225	5.72
Major Diameter	4.070	103.38
Head Diameter	3.500	88.90
Weight	602 (lbs) 273.1 (kg)	
Material	17-4SS	
Thread Form*	2 7/8" API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	231.3	5874
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	947 (lbs) 430 (kg)	
Number of Stages	3.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

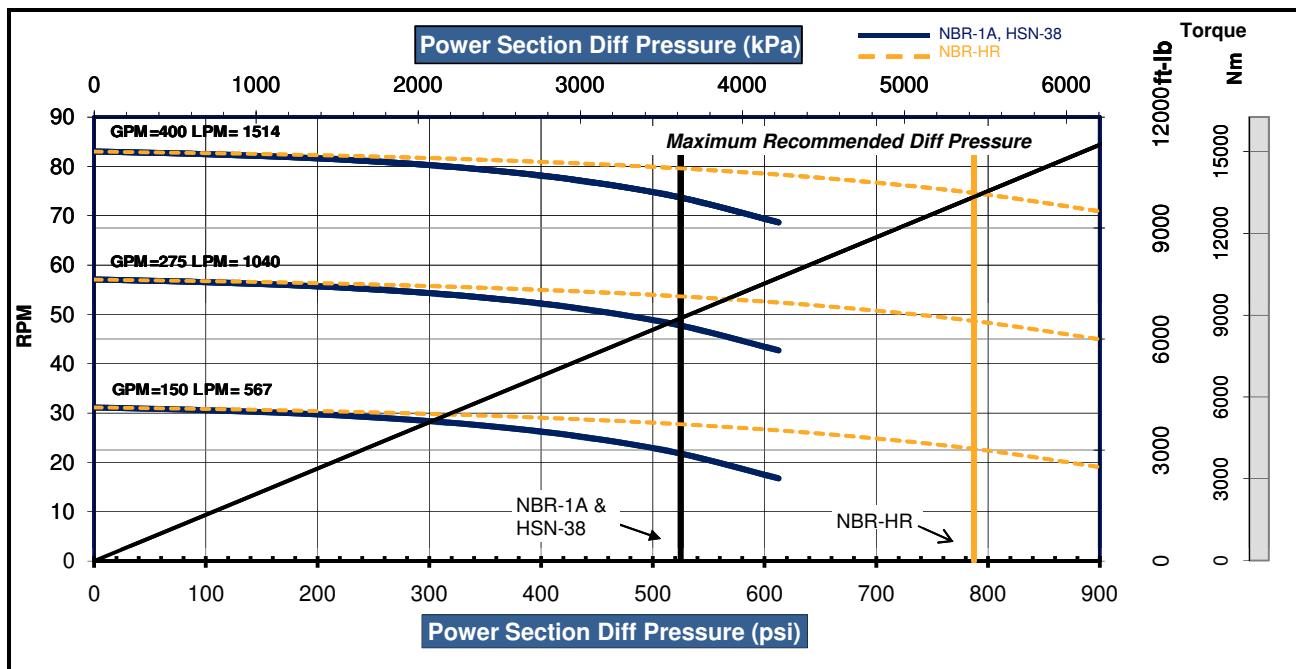
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	3.625 92.08
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.005
Oversize	-0.13
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.607 91.62
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	12.500 ft-lb/psi 2,458 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Torque ft-lb (Nm)	530 (3620 ) 790 (5430 )
Rotation	0.208 Rev/Gal 0.055 Rev/Litre	Stall Diff Press psi (kPa)	6560 (8900 ) 9840 (13350 )
Speed Range	31 to 83 RPM	Stall Torque ft-lb (Nm)	790 (5430 ) 1180 (8140 )
Off Bottom Press	51 psi 350 kPa	Max Recommended HP(kW)	9840 (13350 ) 14770 (20020 )
			104 (77) 149 (111)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

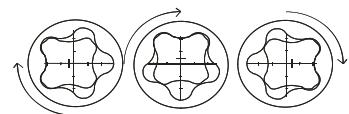
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD650783.8 ESX3

6.5" 7/8 Lobes 3.8 Stages



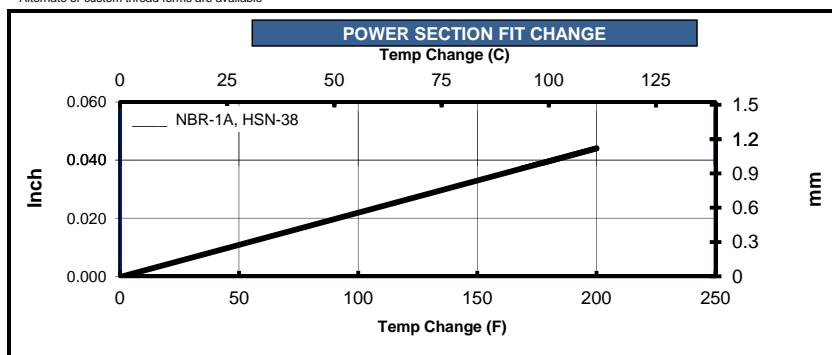
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	291.8	7410
Contour Length	285.3	7245
Eccentricity	0.235	5.97
Major Diameter	4.205	106.81
Head Diameter	4.000	101.60
Weight	847 (lbs) 384.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

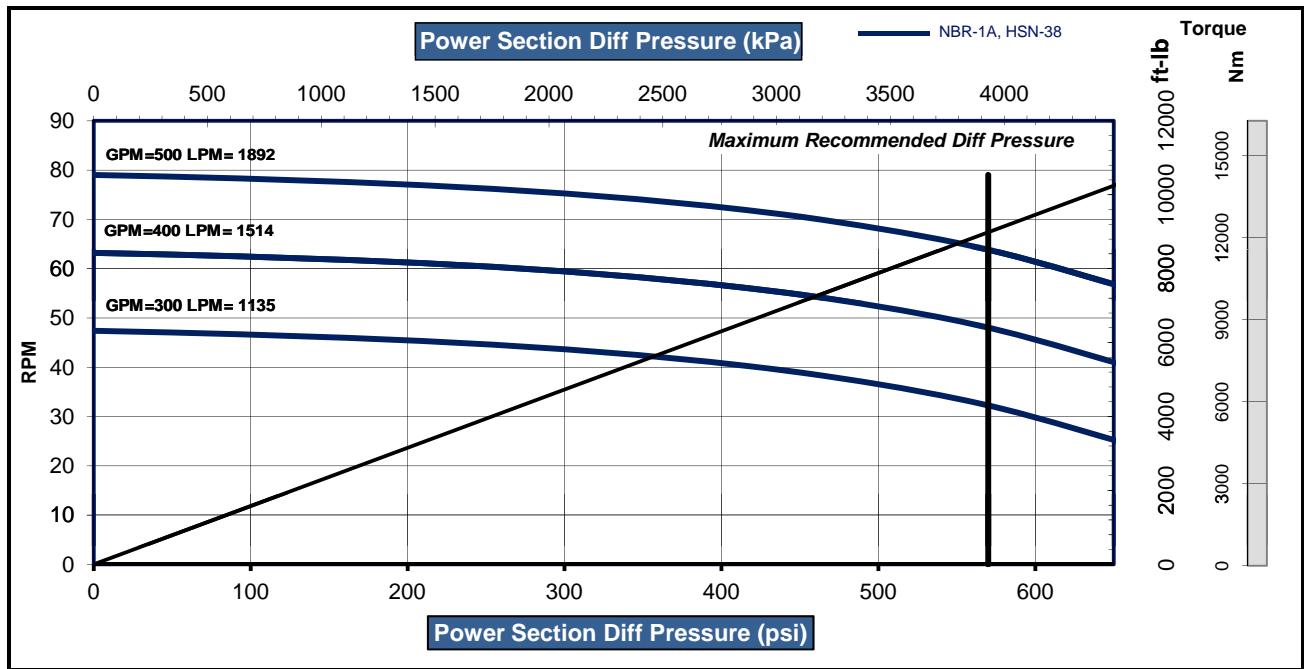
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	299.8	7614
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	1080 (lbs) 490 (kg)	
Number of Stages	3.8	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.731	94.77
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.005	0.13
Oversize		
Double Oversize		

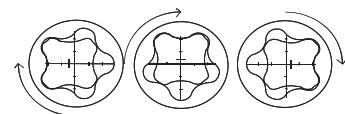
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	15.762 ft-lb/psi 3.100 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	570 (3930 )
Rotation	0.158 Rev/Gal 0.042 Rev/Litre	Max Torque ft-lb (Nm)	8980 (12180 )
Speed Range	47 to 79 RPM	Stall Diff Press psi (kPa)	860 (5900 )
Off Bottom Press	140 psi 970 kPa	Stall Torque ft-lb (Nm)	13480 (18270 )
		Max Recommended HP(kW)	135 (101)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



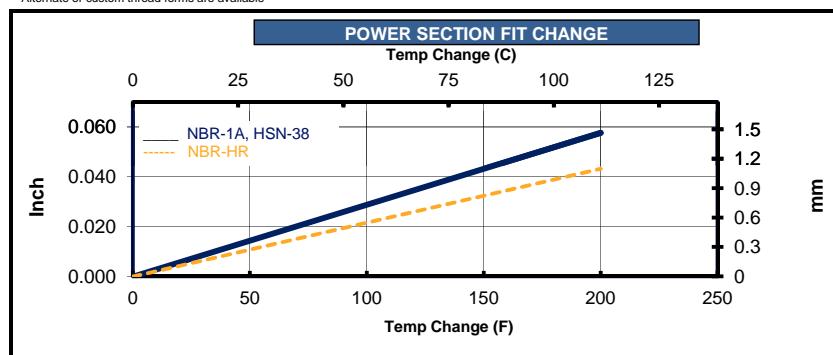
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	194.3	4934
Contour Length	187.8	4769
Eccentricity	0.226	5.74
Major Diameter	3.980	101.09
Head Diameter	3.500	88.90
Weight	497 (lbs) 225.4 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.5	5169
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Alternate Length	122	3099
Weight	841 (lbs) 381 (kg)	
Number of Stages	4.8	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

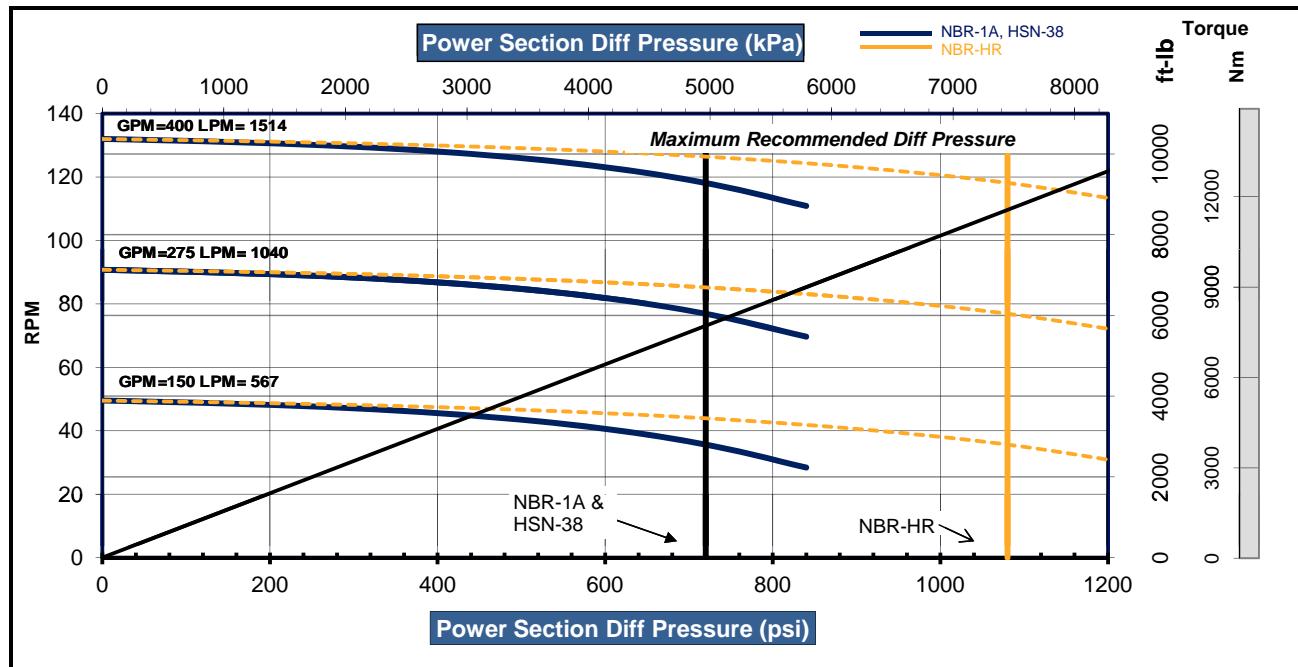
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.501 88.93
Oversize	3.529 89.64
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.027 0.69
Oversize	-0.001 -0.03
Second Oversize	

\* Alternate or custom thread forms are available

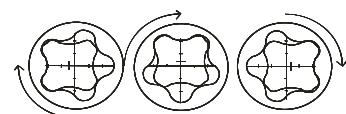


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.520 89.41
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.008 0.20
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.977 ft-lb/psi 1.569 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	150 to 400 GPM 570 to 1510 Litre/min	Max Diff Press psi (kPa)	720 (4960 ) 1080 (7450 )
Rotation	0.330 Rev/Gal 0.087 Rev/Litre	Max Torque ft-lb (Nm)	5740 (7790 ) 8620 (11680 )
Speed Range	49 to 140 RPM	Stall Diff Press psi (kPa)	1080 (7450 ) 1620 (11170 )
Off Bottom Press	88 psi 610 kPa	Stall Torque ft-lb (Nm)	8620 (11680 ) 12920 (17520 )
		Max Recommended HP(kW)	144 (108) 207 (154)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



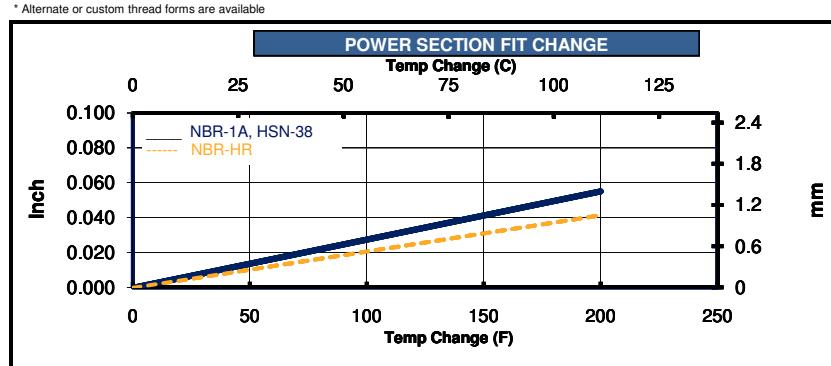
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	188.0	4775
Contour Length	181.0	4597
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.000	101.60
Weight	620 (lbs) 281.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available

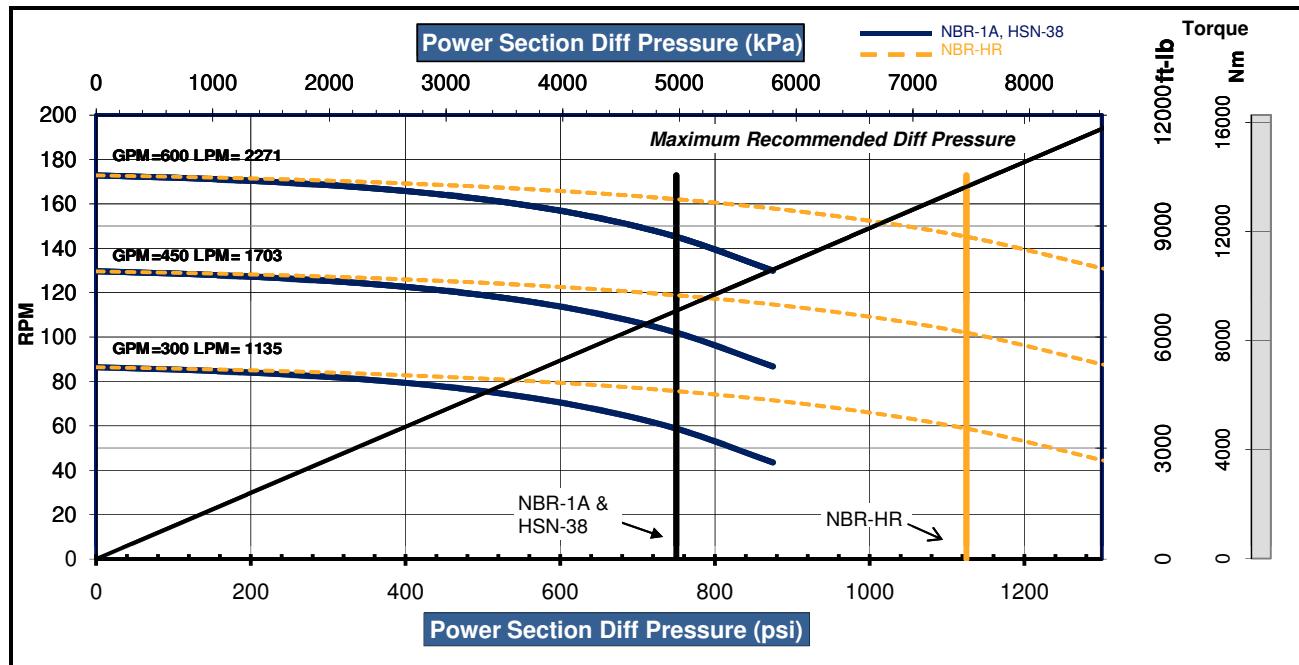
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	194.5	4940
Rubber Cut Back	7.3	184
Tube O.D.	6.50	165.1
Tube I.D.	5.50	139.7
Alternate Length	204	5182
Weight	603 (lbs) 274 (kg)	
Number of Stages	5.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.981 101.12
Oversize	4.010 101.85
Second Oversize	4.037 102.54
Nominal Fit at 75 F (25 C)	
Standard	0.027 0.69
Oversize	-0.002 -0.05
Second Oversize	-0.029 -0.74



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.987 101.27
Standard	4.012 101.90
Nominal Fit at 75 F (25 C)	
Undersize	0.021 0.53
Standard	-0.004 -0.10

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	750 (5170 ) 1130 (7760 )
Rotation	0.288 Rev/Gal 0.076 Rev/Litre	Max Torque ft-lb (Nm)	6980 (9460 ) 10460 (14190 )
Speed Range	86 to 180 RPM	Stall Diff Press psi (kPa)	1130 (7760 ) 1690 (11630 )
Off Bottom Press	137 psi 940 kPa	Stall Torque ft-lb (Nm)	10460 (14190 ) 15690 (21280 )
		Max Recommended HP(kW)	229 (171) 323 (241)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

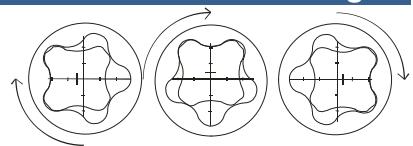
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

Model No: DD650785.3

6.5" 7/8 Lobes 5.3 Stages

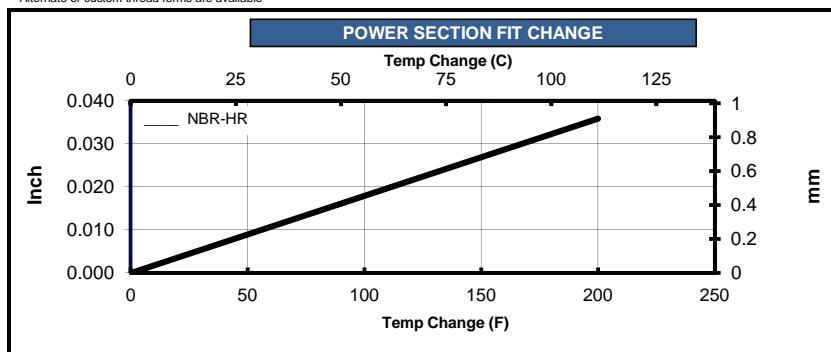


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	197.4	5013
Contour Length	191.0	4851
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.510	114.60
Weight	660 (lbs) 299.4 (kg)	
Material		17-4SS
Thread Form*	2 7/8 IF	

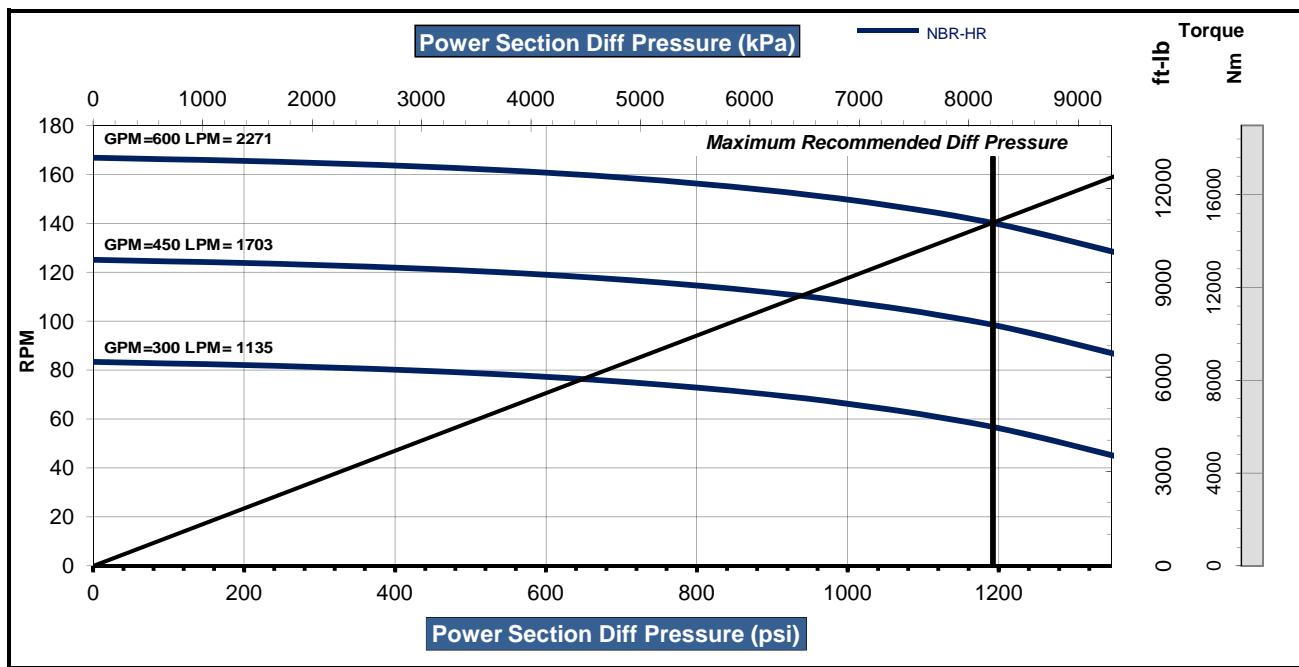
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	242.0	6147
Rubber Cut Back	20.5	521
Tube O.D.	6.50	165.1
Tube I.D.	5.40	137.2
Weight	762 (lbs) 346 (kg)	
Number of Stages		5.3
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available

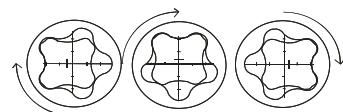


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	
Oversize	4.02 102.11
<b>Nominal Fit at 75 F (25 C)</b>	
Undersize	
Standard	
Oversize	-0.012 -0.30

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.150 ft-lb/psi 1.799 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 1190 (8220)
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	10910 (14790)
Rotation	0.278 Rev/Gal 0.073 Rev/Litre	Stall Diff Press psi (kPa)	1790 (12330)
Speed Range	83 to 170 RPM	Stall Torque ft-lb (Nm)	16370 (22190)
Off Bottom Press	116 psi 800 kPa	Max Recommended HP(kW)	325 (242)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



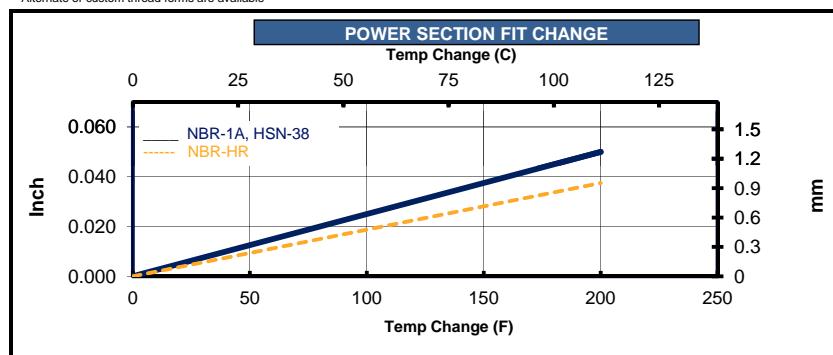
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	223.0	5664
Contour Length	217.0	5512
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.500	114.30
Weight	723 (lbs) 328 (kg)	
Material		17-4SS
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	232.0	5893
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.40	137.2
Alternate Length	122	3099
Weight	740 (lbs) 336 (kg)	
Number of Stages		6.0
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

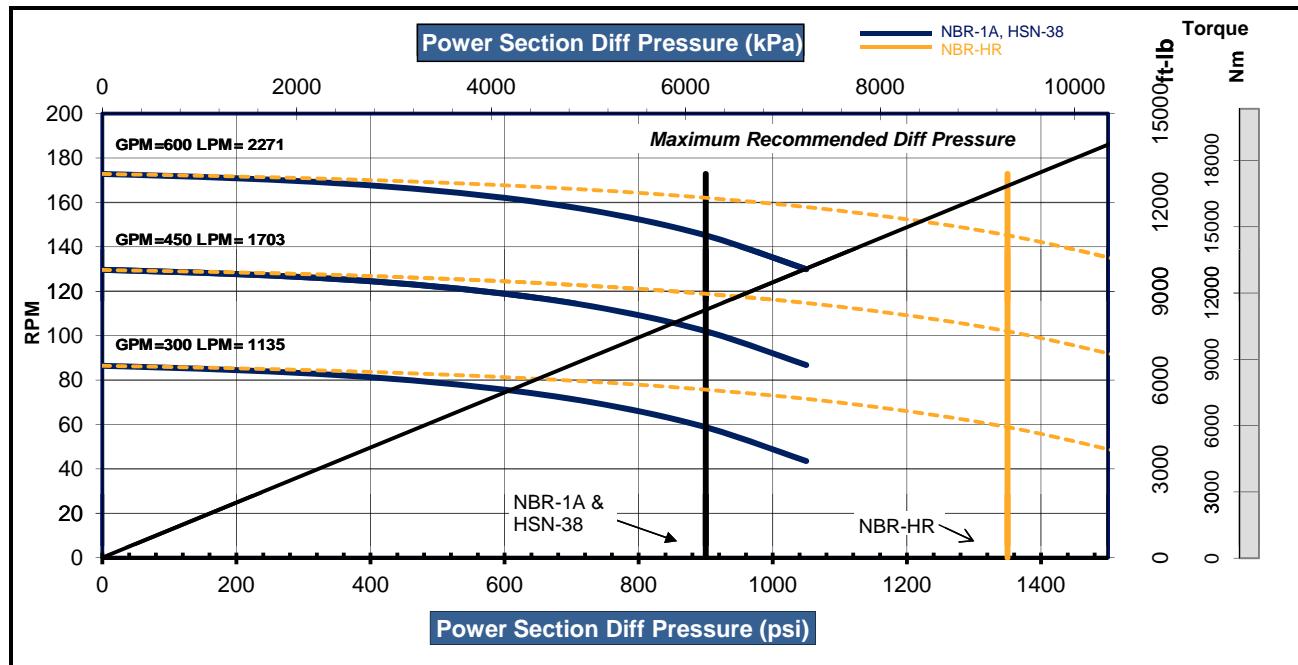
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.979 101.07
Oversize	4.003 101.68
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.029 0.74
Oversize	0.005 0.13
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.984 101.19
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.024 0.61
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Rotation	0.288 Rev/Gal 0.076 Rev/Litre	Max Torque ft-lb (Nm)	8370 (11350 ) 12560 (17020 )
Speed Range	86 to 180 RPM	Stall Diff Press psi (kPa)	1350 (9310 ) 2030 (13960 )
Off Bottom Press	150 psi 1030 kPa	Stall Torque ft-lb (Nm)	12560 (17020 ) 18830 (25540 )
		Max Recommended HP(kW)	275 (205) 387 (289)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

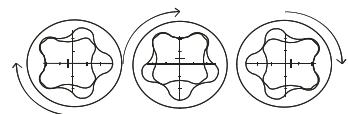
Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel: (403) 206-3052 Fax: (403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD650786.7 SX3

6.5" 7/8 Lobes 6.7 Stages



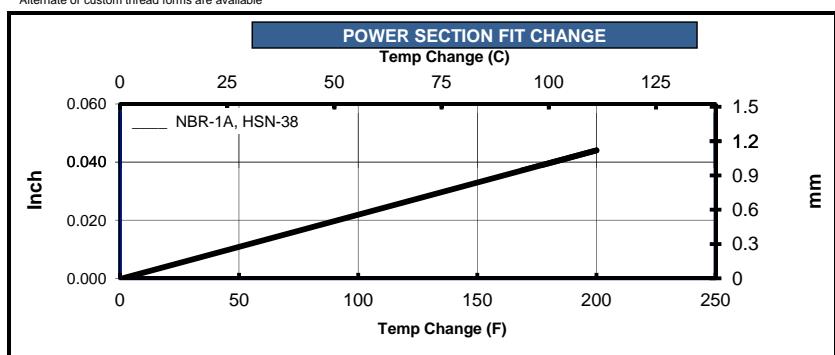
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	291.8	7410
Contour Length	285.3	7245
Eccentricity	0.236	5.99
Major Diameter	4.197	106.60
Head Diameter	4.000	101.60
Weight	847 (lbs) 384.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

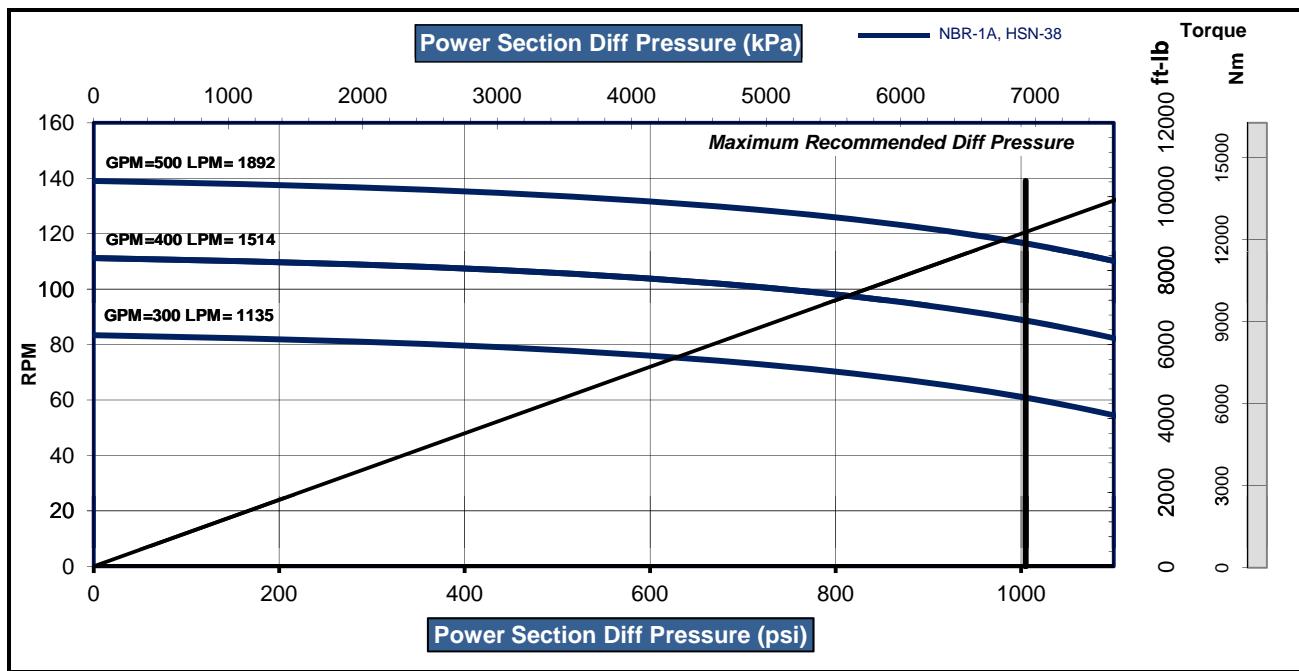
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	299.8	7614
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.00	127.0
Weight	1080 (lbs) 490 (kg)	
Number of Stages	6.7	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.731	94.77
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.005	-0.13
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.997 ft-lb/psi 1.769 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Torque ft-lb (Nm)	1010 (6930 )
Rotation	0.278 Rev/Gal 0.073 Rev/Litre	Stall Diff Press psi (kPa)	9040 (12260 )
Speed Range	83 to 140 RPM	Stall Torque ft-lb (Nm)	1510 (10390 )
Off Bottom Press	150 psi 1030 kPa	Max Recommended HP(kW)	13560 (18390 )
			239 (179)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

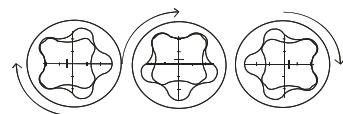
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD650894.0

6.5" 8/9 Lobes 4 Stages



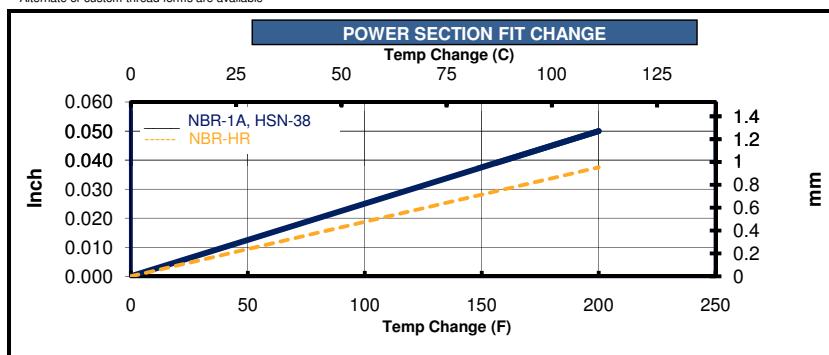
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	152.0	3861
Contour Length	146.0	3708
Eccentricity	0.217	5.51
Major Diameter	4.322	109.78
Head Diameter	3.750	95.30
Weight	511 (lbs) 231.8 (kg)	
Material		17-4SS
Thread Form*		2 7/8 API REG

\* Alternate or custom thread forms are available.

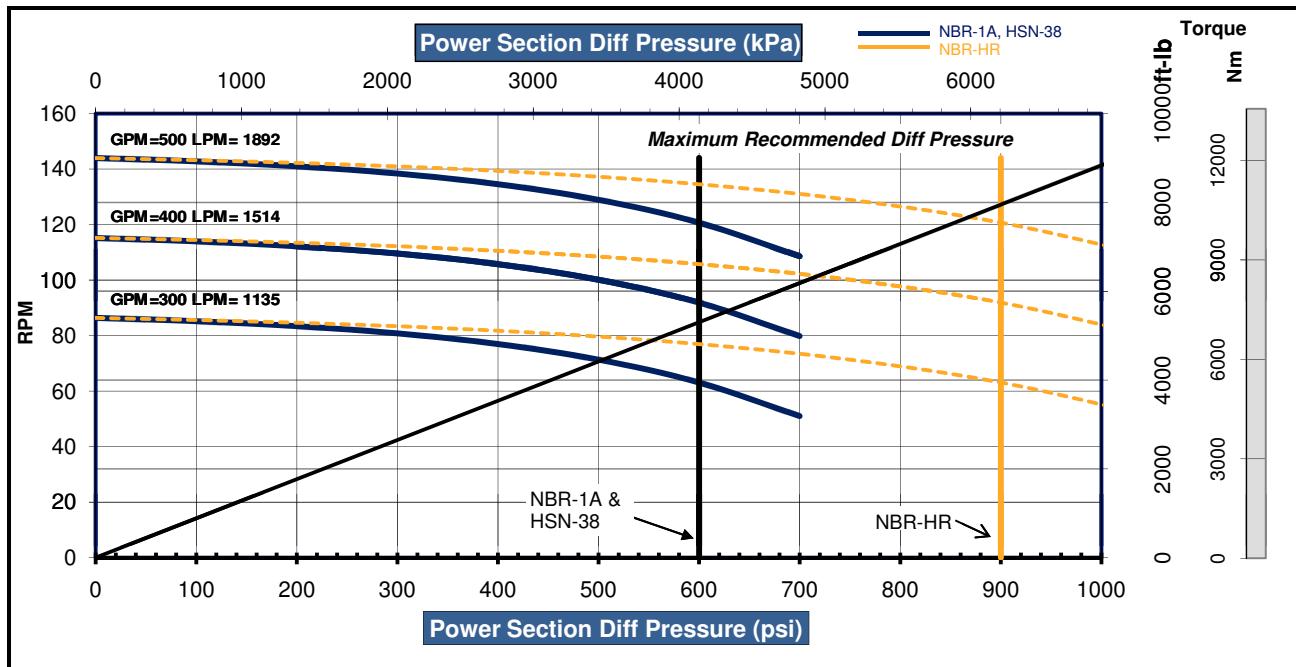
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	170.0	4318
Rubber Cut Back	8.0	203
Tube O.D.	6.50	165.1
Tube I.D.	5.25	133.4
Weight	600 (lbs) 272 (kg)	
Number of Stages		4.00
Rubber Type		NBR-1A, HSN-38, NBR-HR
Tube Material		4142 Seamless Tubing

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	N/A N/A
Oversize	3.892 98.86
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.004
Oversize	-0.10
Second Oversize	



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.875 98.43
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.833 ft-lb/psi 1.737 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	600 (4140 ) 900 (6210 )
Rotation	0.288 Rev/Gal 0.076 Rev/Litre	Max Torque ft-lb (Nm)	5300 (7190 ) 7950 (10780 )
Speed Range	86 to 150 RPM	Stall Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Off Bottom Press	92 psi 630 kPa	Stall Torque ft-lb (Nm)	7950 (10780 ) 11920 (16170 )
		Max Recommended HP(kW)	145 (108) 204 (152)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

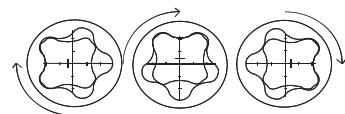
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD6509103.8

6.5" 9/10 Lobes 3.8 Stages



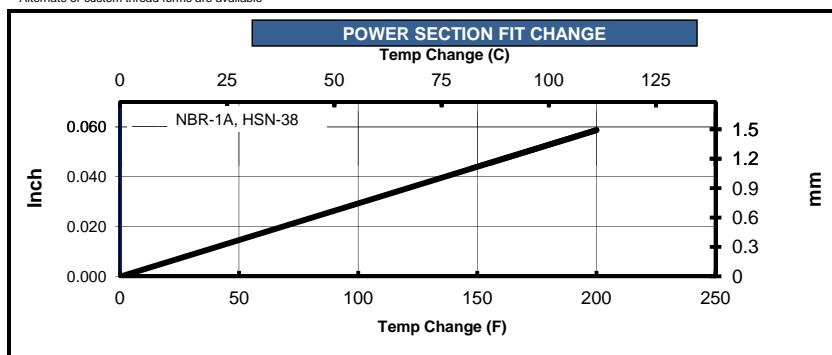
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	274.5	6972
Contour Length	269.0	6833
Eccentricity	0.201	5.11
Major Diameter	4.322	109.78
Head Diameter	4.750	120.70
Weight	927 (lbs) 420.5 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API REG	

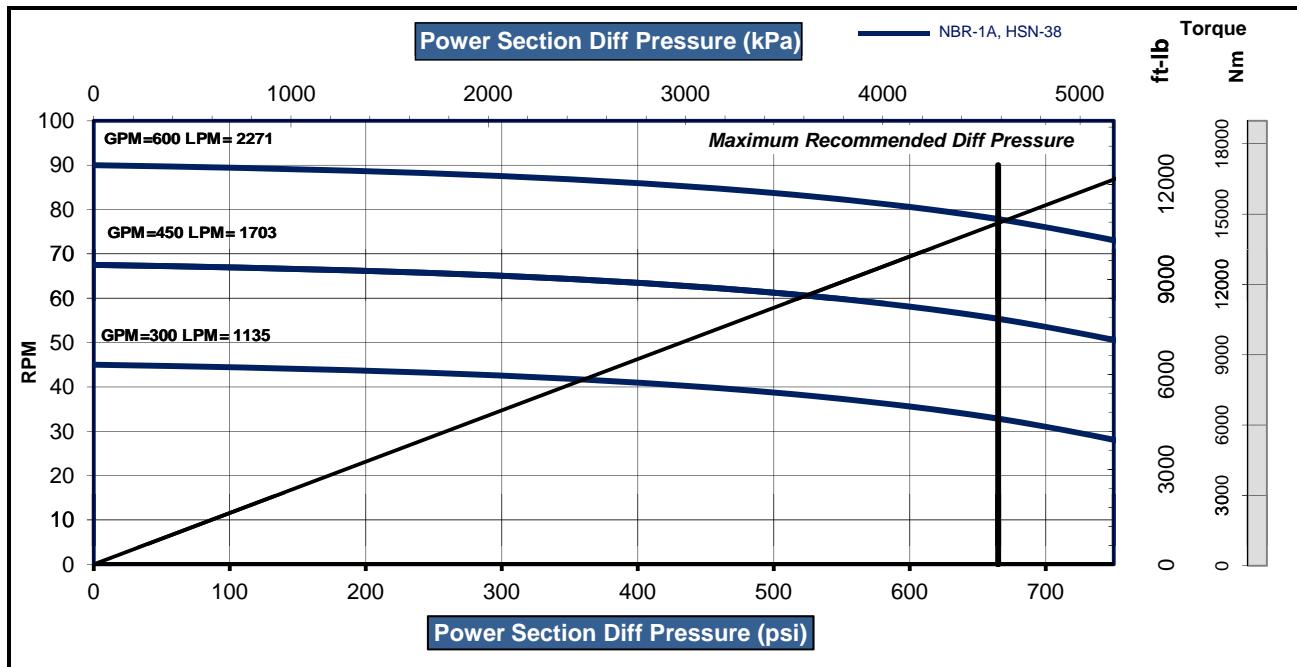
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	300.0	7620
Rubber Cut Back	17.8	451
Tube O.D.	6.50	165.1
Tube I.D.	5.40	137.2
Weight	1023 (lbs) 464 (kg)	
Number of Stages	3.8	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.914	99.42
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.005	0.13
Oversize		
Double Oversize		

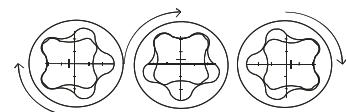
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.200 ft-lb/psi 3.186 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	670 (4590 )
Rotation	0.150 Rev/Gal 0.040 Rev/Litre	Max Torque ft-lb (Nm)	10770 (14610 )
Speed Range	45 to 90 RPM	Stall Diff Press psi (kPa)	1000 (6880 )
Off Bottom Press	74 psi 510 kPa	Stall Torque ft-lb (Nm)	16160 (21910 )
		Max Recommended HP(kW)	185 (138)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



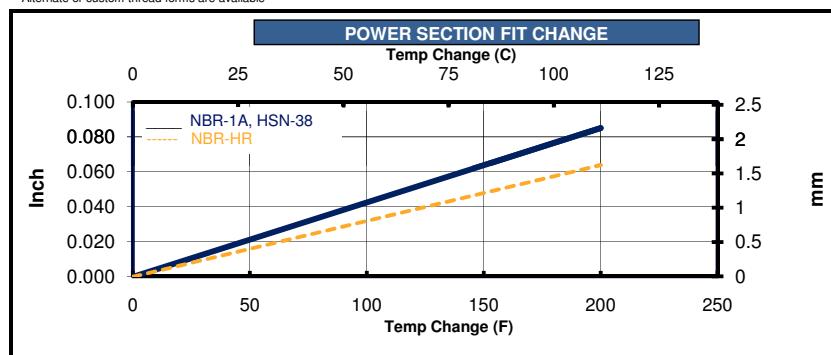
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	196.0	4978
Contour Length	189.0	4801
Eccentricity	0.407	10.34
Major Diameter	4.033	102.44
Head Diameter	3.500	88.90
Weight	427 (lbs) 193.7 (kg)	
Material		17-4SS
Thread Form*	2 3/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.5	5169
Rubber Cut Back	7.5	191
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	774 (lbs) 351 (kg)	
Number of Stages		7.80
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

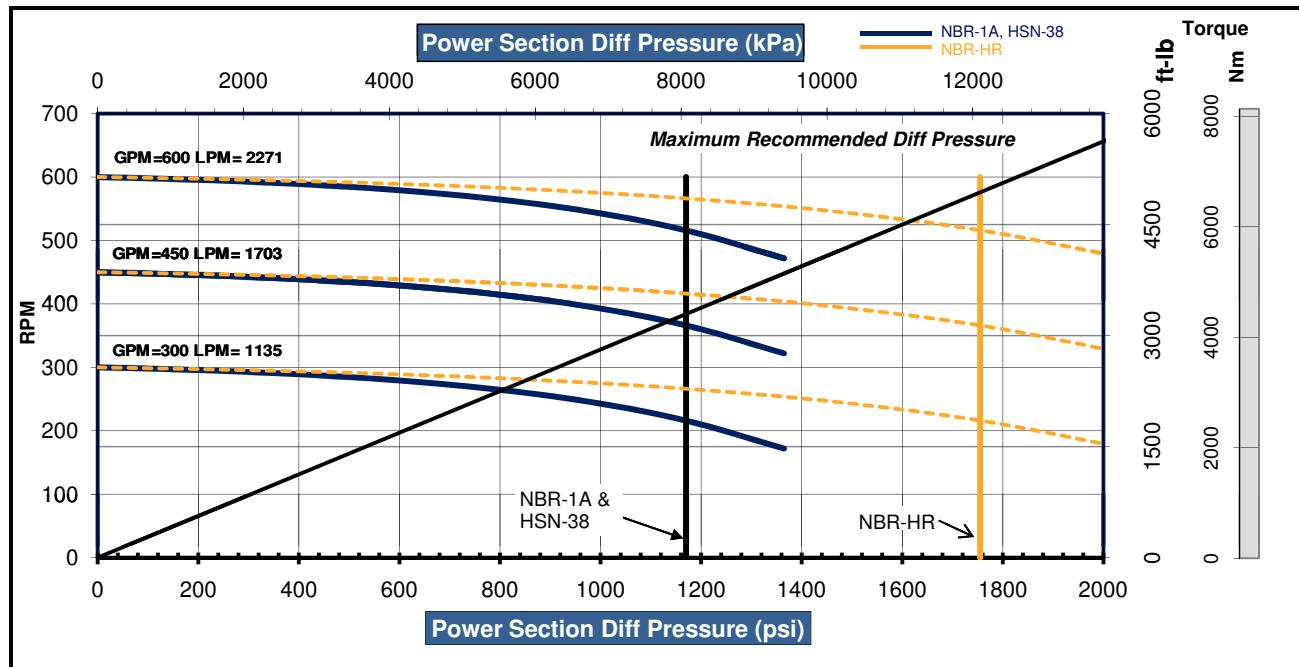
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.217 81.71
Oversize	3.229 82.02
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.003 0.08
Oversize	-0.009 -0.23
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.217 81.71
Oversize	3.24 82.30
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.003 0.08
Oversize	-0.020 -0.51

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	2.813 ft-lb/psi 0.553 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	1170 (8070 ) 1760 (12100 )
Rotation	1.000 Rev/Gal 0.264 Rev/Litre	Max Torque ft-lb (Nm)	3290 (4460 ) 4940 (6690 )
Speed Range	300 to 600 RPM	Stall Diff Press psi (kPa)	1760 (12100 ) 2630 (18150 )
Off Bottom Press	229 psi 1580 kPa	Stall Torque ft-lb (Nm)	4940 (6690 ) 7400 (10040 )
		Max Recommended HP(kW)	376 (280) 532 (397)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

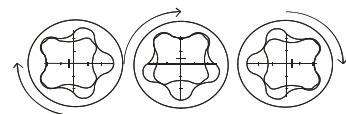
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD675453.1

6.75" 4/5 Lobes 3.1 Stages



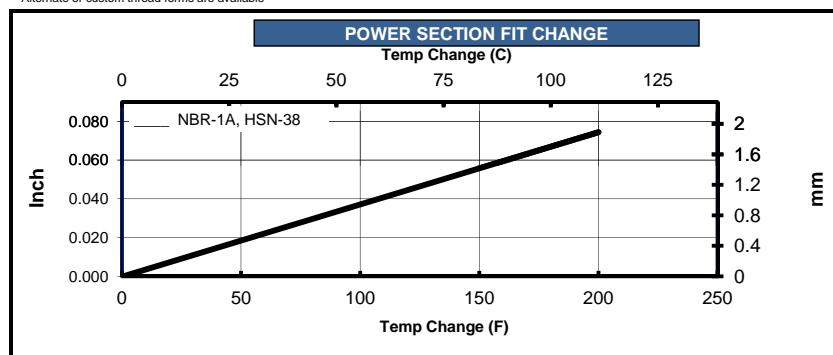
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	97.0	2464
Contour Length	90.0	2286
Eccentricity	0.355	9.02
Major Diameter	4.220	107.19
Head Diameter	4.000	101.60
Weight	280 (lbs) 127 (kg)	
Material	Non-Mag	
Thread Form*	2 7/8 API REG	

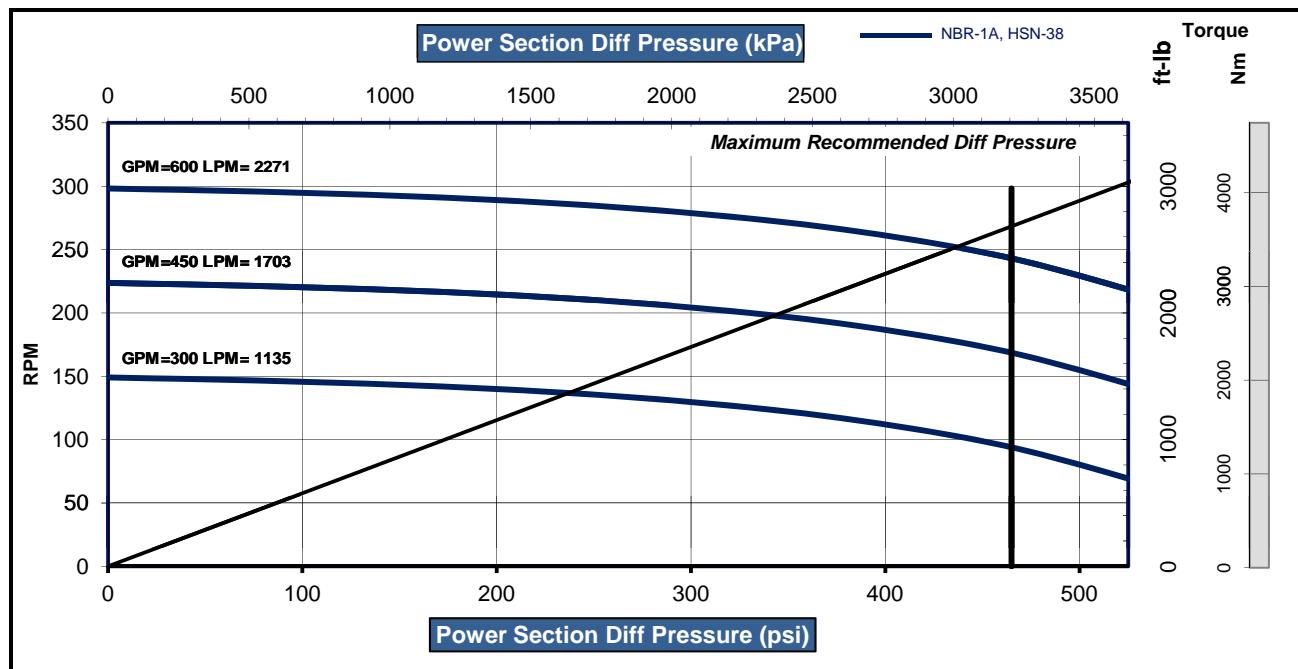
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	104.5	2654
Rubber Cut Back	7.5	191
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	428 (lbs) 194 (kg)	
Number of Stages	3.1	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.489	88.62
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.021	0.53
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	5.770 ft-lb/psi 1.135 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	470 (3210 )
Rotation	0.497 Rev/Gal 0.131 Rev/Litre	Max Torque ft-lb (Nm)	2680 (3640 )
Speed Range	149 to 300 RPM	Stall Diff Press psi (kPa)	700 (4810 )
Off Bottom Press	142 psi 980 kPa	Stall Torque ft-lb (Nm)	4020 (5460 )
		Max Recommended HP(kW)	152 (114)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

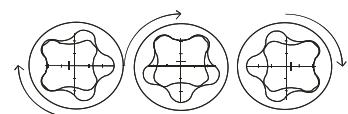
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD675456.0 MX

6.75" 4/5 Lobes 6 Stages



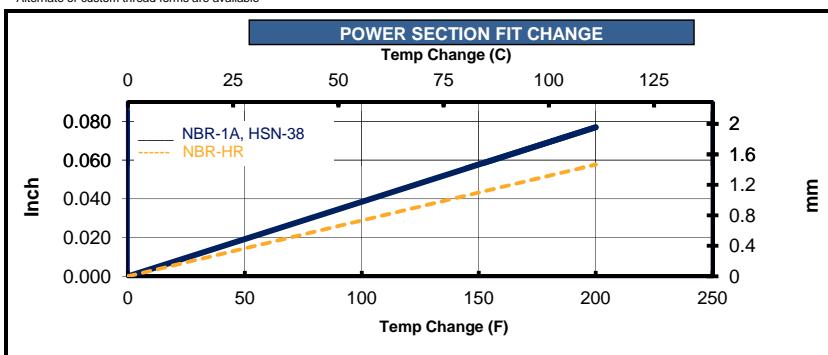
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	221.0	5613
Contour Length	213.3	5417
Eccentricity	0.355	9.02
Major Diameter	3.957	100.51
Head Diameter	4.000	101.60
Weight	433 (lbs) 196.4 (kg)	
Material		17-4SS
Thread Form*		2 7/8 API REG

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	230.0	5842
Rubber Cut Back	9.0	229
Tube O.D.	6.75	171.5
Tube I.D.	5.31	134.9
Alternate Length	122	3099
Weight	942 (lbs) 427 (kg)	
Number of Stages		6.0
Rubber Type		NBR-1A, HSN-38, NBR-HR
Tube Material		4142 Seamless Tubing

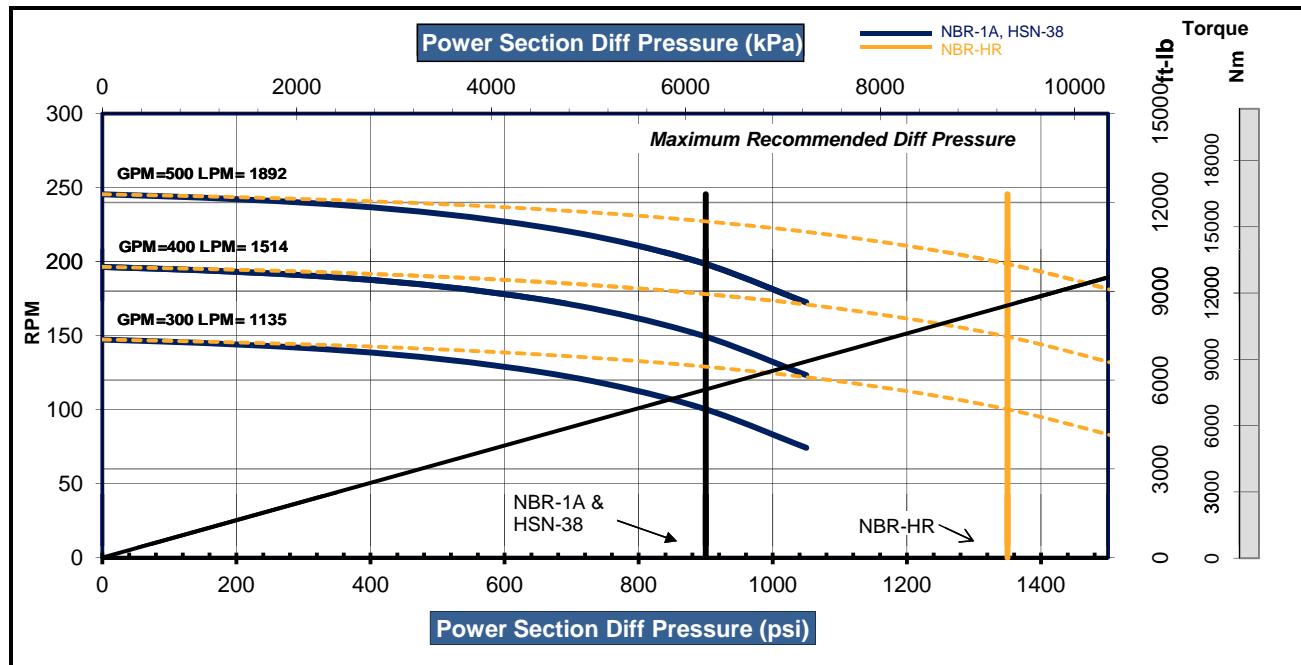
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.274 83.16
Oversize	3.302 83.87
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.028 -0.71
Oversize	-0.056 -1.42
Second Oversize	

\* Alternate or custom thread forms are available

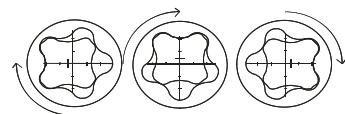


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.278 83.26
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.032 -0.81
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	6.311 ft-lb/psi 1.241 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Rotation	0.491 Rev/Gal 0.130 Rev/Litre	Max Torque ft-lb (Nm)	5680 (7700 ) 8520 (11550 )
Speed Range	147 to 250 RPM	Stall Diff Press psi (kPa)	1350 (9310 ) 2030 (13960 )
Off Bottom Press	168 psi 1160 kPa	Stall Torque ft-lb (Nm)	8520 (11550 ) 12780 (17330 )
		Max Recommended HP(kW)	266 (198) 369 (275)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



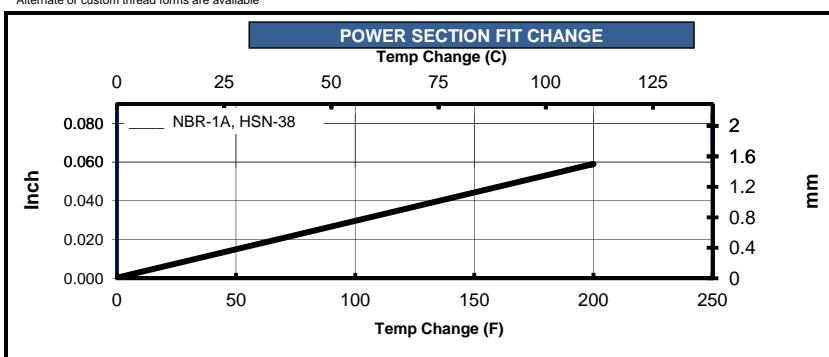
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	245.0	6223
Eccentricity	0.347	8.81
Major Diameter	4.464	113.39
Head Diameter	4.310	109.50
Weight	726 (lbs) 329.3 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

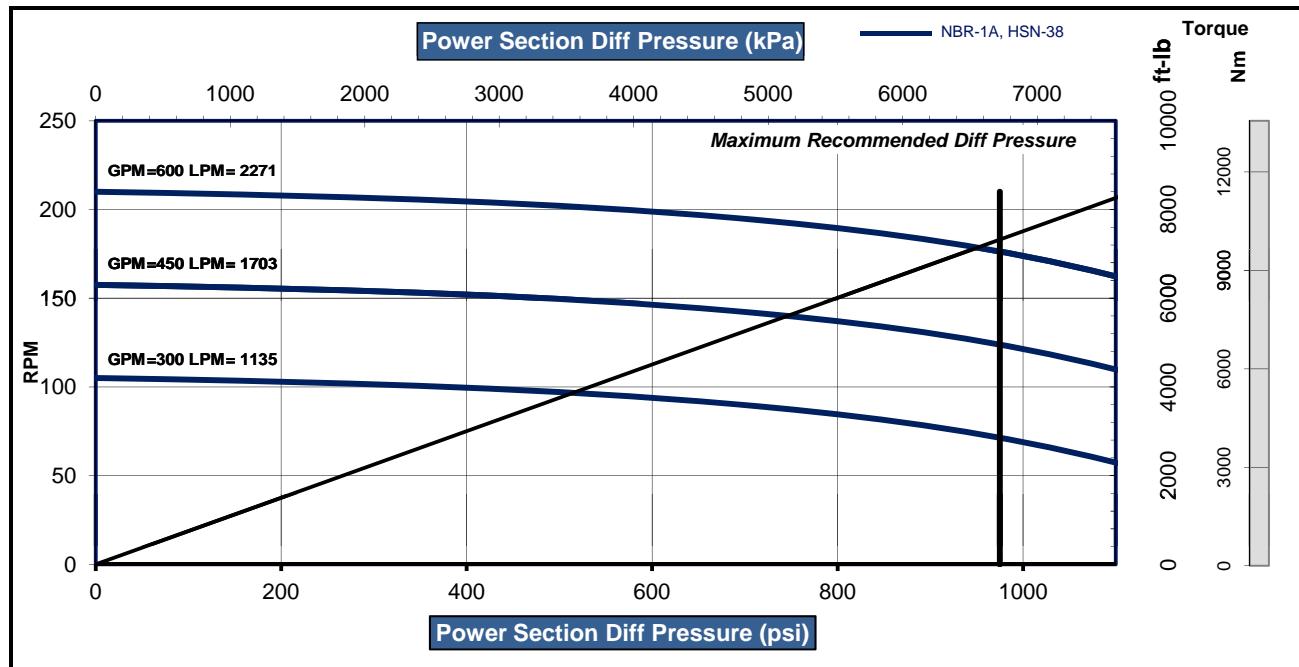
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	991 (lbs) 450 (kg)	
Number of Stages	6.5	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.775	95.89
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.003	-0.08
Oversize		
Double Oversize		

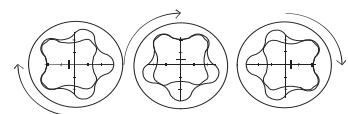
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.511 ft-lb/psi 1.477 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	980 (6720 )
Rotation	0.350 Rev/Gal 0.093 Rev/Litre	Max Torque ft-lb (Nm)	7320 (9930 )
Speed Range	105 to 210 RPM	Stall Diff Press psi (kPa)	1460 (10080 )
Off Bottom Press	131 psi 900 kPa	Stall Torque ft-lb (Nm)	10980 (14890 )
		Max Recommended HP(kW)	293 (218)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



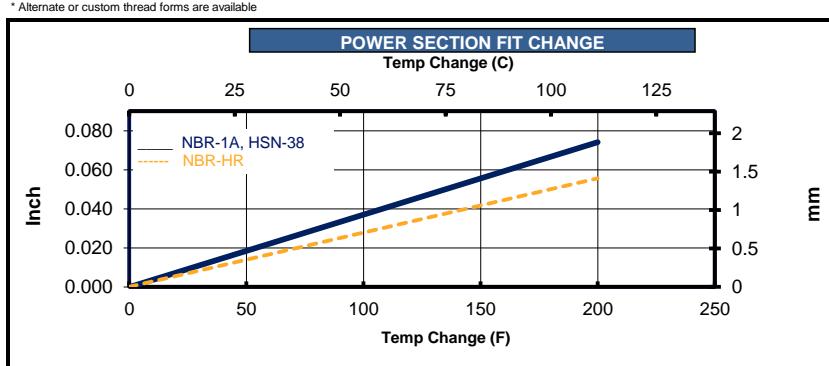
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	202.5	5144
Contour Length	195.5	4966
Eccentricity	0.355	9.02
Major Diameter	4.220	107.19
Head Diameter	4.000	101.60
Weight	500 (lbs) 226.8 (kg)	
Material		17-4SS
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available

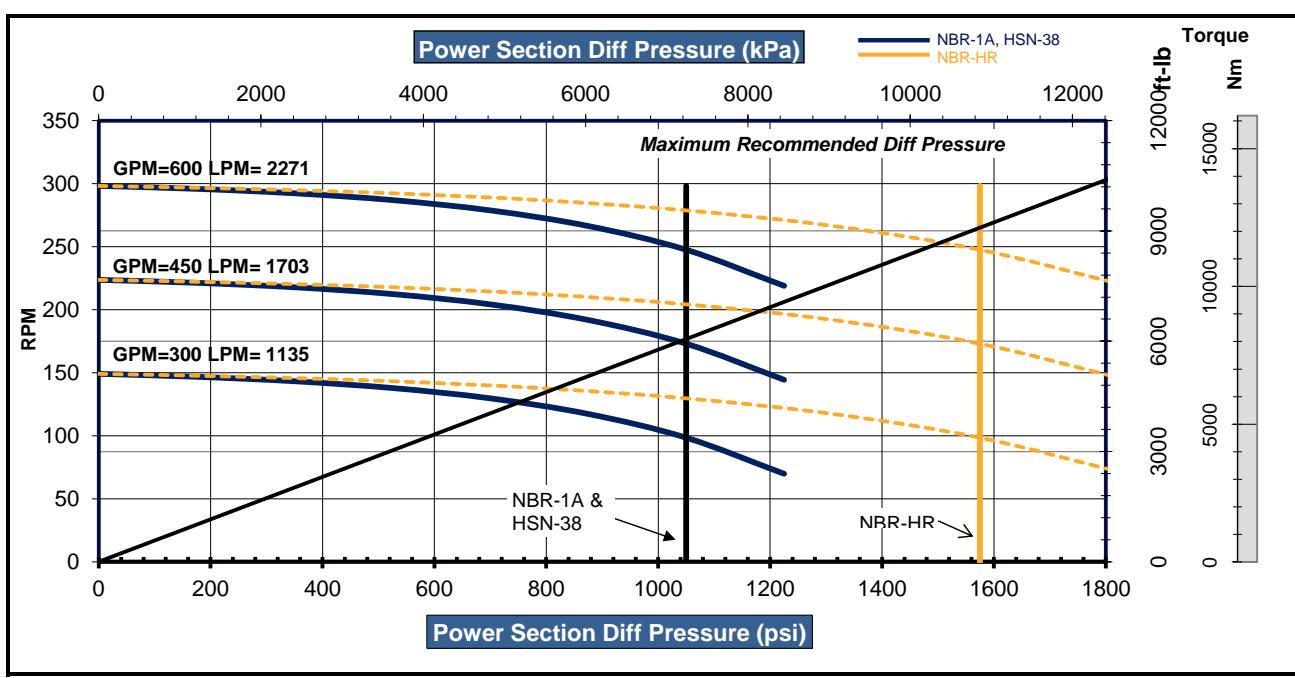
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	210.0	5334
Rubber Cut Back	7.5	191
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	822 (lbs) 373 (kg)	
Number of Stages	7.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
	Inch	mm
Stator Size	3.489	88.62
Standard	3.510	89.15
Oversize	3.540	89.92
Nominal Fit at 75 F (25 C)		
Standard	0.021	0.53
Oversize	0.000	0.00
Double Oversize	-0.030	-0.76

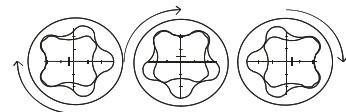


FIT INFORMATION		
NBR-HR	Minor Diameter	
	Inch	mm
Stator Size	3.507	89.08
Undersize	3.522	89.46
Standard	3.536	89.81
Nominal Fit at 75 F (25 C)		
Undersize	0.003	0.08
Standard	-0.012	-0.30
Oversize	-0.026	-0.66

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	5.770 ft-lb/psi 1.135 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	1050 (7240) 1580 (10860)
Rotation	0.497 Rev/Gal 0.131 Rev/Litre	Stall Diff Press psi (kPa)	6060 (8220) 9090 (12330)
Speed Range	149 to 300 RPM	Stall Torque ft-lb (Nm)	1580 (10860) 2360 (16290)
Off Bottom Press	184 psi 1270 kPa	Max Recommended HP(kW)	9090 (12330) 13630 (18490)
			344 (257) 482 (360)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



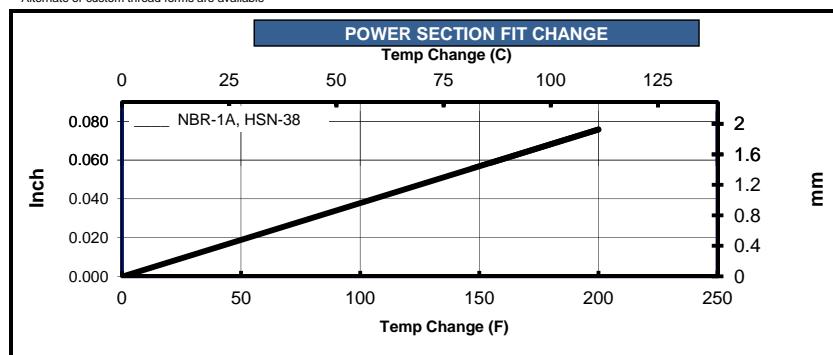
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	162.0	4115
Contour Length	155.3	3943
Eccentricity	0.276	7.01
Major Diameter	4.152	105.46
Head Diameter	4.000	101.60
Weight	420 (lbs) 190.5 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

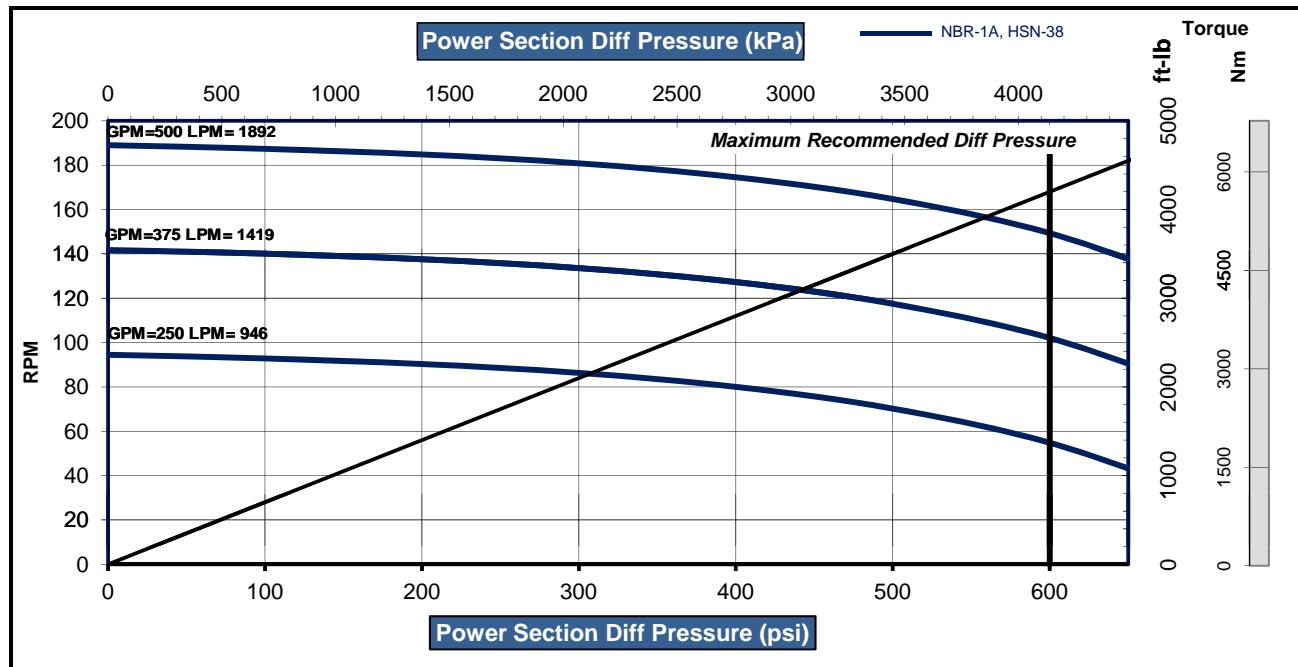
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	169.5	4305
Rubber Cut Back	7.5	191
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	736 (lbs) 334 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	3.608	91.64
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.006	-0.15
Oversize		
Double Oversize		

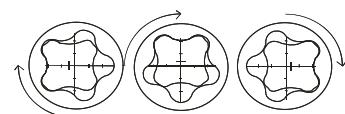
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	7.000 ft-lb/psi 1.377 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	250 to 500 GPM 950 to 1890 Litre/min	Max Torque ft-lb (Nm)	600 (4140 )
Rotation	0.378 Rev/Gal 0.100 Rev/Litre	Stall Diff Press psi (kPa)	4200 (5700 )
Speed Range	94 to 190 RPM	Stall Torque ft-lb (Nm)	900 (6210 )
Off Bottom Press	98 psi 680 kPa	Max Recommended HP(kW)	6300 (8540 )
			151 (113)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



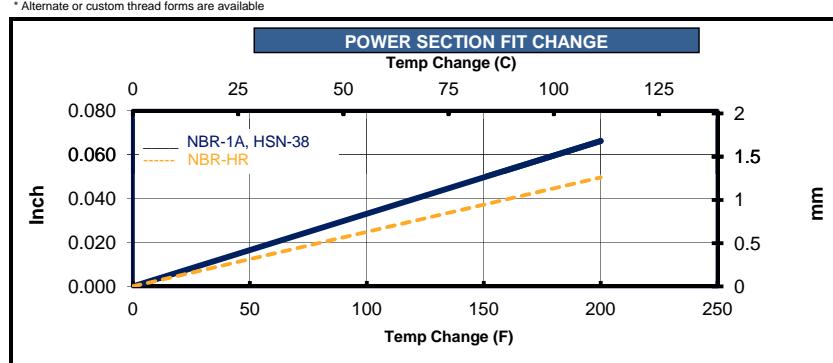
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	194.0	4928
Contour Length	188.0	4775
Eccentricity	0.288	7.32
Major Diameter	4.316	109.63
Head Diameter	4.000	101.60
Weight	521 (lbs) 236.3 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available.

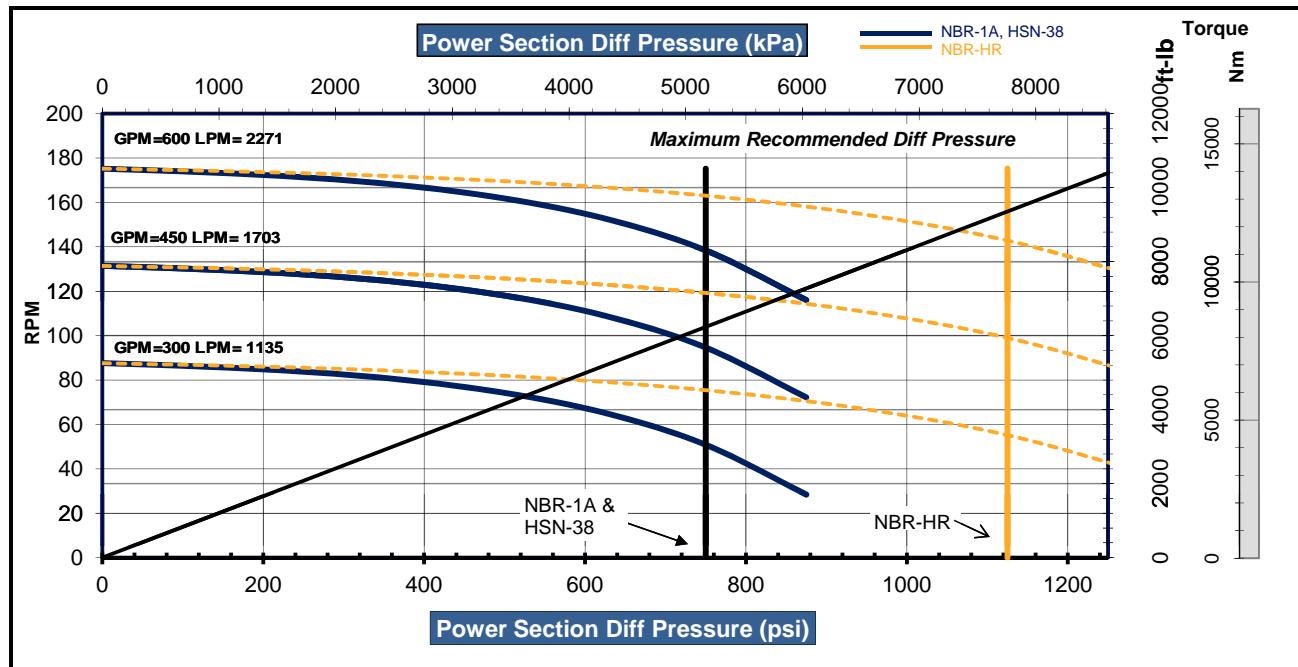
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	200.0	5080
Rubber Cut Back	7.3	184
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	755 (lbs) 342 (kg)	
Number of Stages	5.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.738 94.95
Oversize	3.759 95.48
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.001 0.03
Oversize	-0.020 -0.51
Double Oversize	



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.712 94.28
Standard	3.744 95.10
Oversize	3.754 95.35
Double Oversize	3.77 95.76
Nominal Fit at 75 F (25 C)	
Undersize	0.027 0.69
Standard	-0.005 -0.13
Oversize	-0.015 -0.38
Double Oversize	-0.031 -0.79

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.313 ft-lb/psi 1.635 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	750 (5170 ) 1130 (7760 )
Rotation	0.292 Rev/Gal 0.077 Rev/Litre	Stall Diff Press psi (kPa)	6230 (8450 ) 9350 (12680 )
Speed Range	87 to 180 RPM	Stall Torque ft-lb (Nm)	1130 (7760 ) 1690 (11630 )
Off Bottom Press	110 psi 760 kPa	Max Recommended HP(kW)	9350 (12680 ) 14030 (19020 )
			208 (155) 290 (216)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

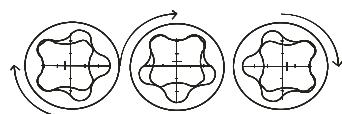
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD675782.0

6.75" 7/8 Lobes 2 Stages



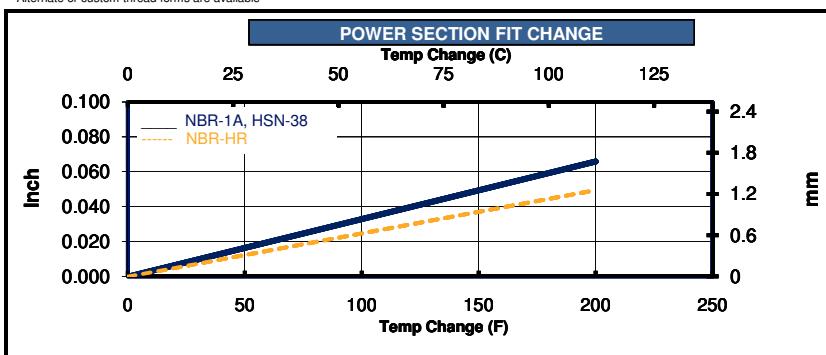
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	147.3	3740
Contour Length	140.0	3556
Eccentricity	0.244	6.2
Major Diameter	4.296	109.12
Head Diameter	4.000	101.60
Weight	550 (lbs) 249.5 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	153.5	3899
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	578 (lbs) 262 (kg)	
Number of Stages	2.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

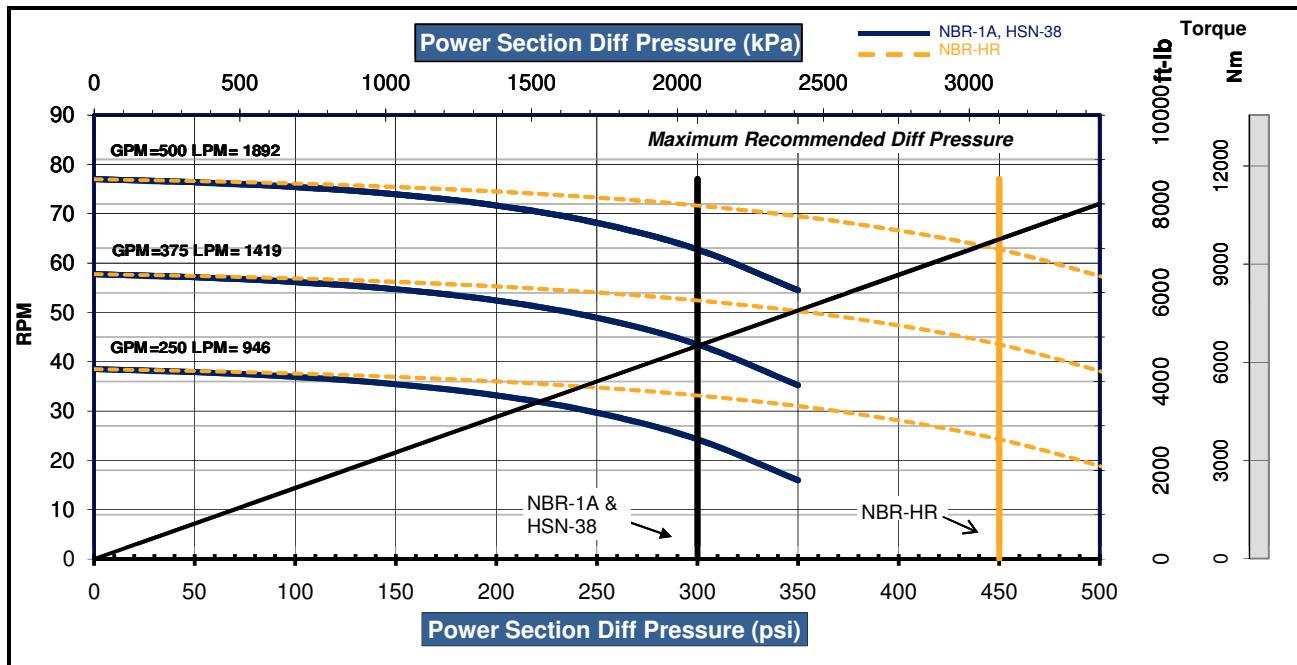
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.805 96.65
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.003 0.08
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

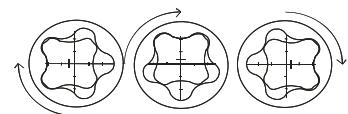


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.782 96.06
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.026 0.66
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.000 ft-lb/psi 3.146 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	250 to 500 GPM 950 to 1890 Litre/min	Max Diff Press psi (kPa)	300 (2070 ) 450 (3100 )
Rotation	0.154 Rev/Gal 0.041 Rev/Litre	Max Torque ft-lb (Nm)	4800 (6510 ) 7200 (9760 )
Speed Range	38 to 77 RPM	Stall Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Off Bottom Press	54 psi 370 kPa	Stall Torque ft-lb (Nm)	7200 (9760 ) 10800 (14640 )
		Max Recommended HP(kW)	70 (52) 98 (73)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



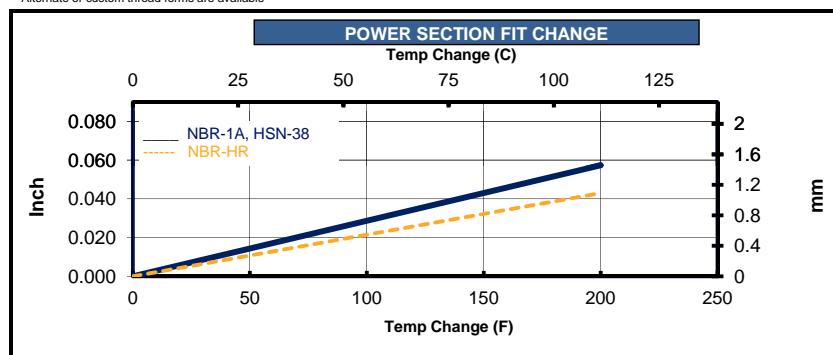
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	221.0	5613
Contour Length	213.0	5410
Eccentricity	0.224	5.69
Major Diameter	4.265	108.33
Head Diameter	4.000	101.60
Weight	655 (lbs) 297.1 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	230.0	5842
Rubber Cut Back	9.0	229
Tube O.D.	6.75	171.5
Tube I.D.	5.31	134.9
Alternate Length	122	3099
Weight	1001 (lbs) 454 (kg)	
Number of Stages	2.1	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

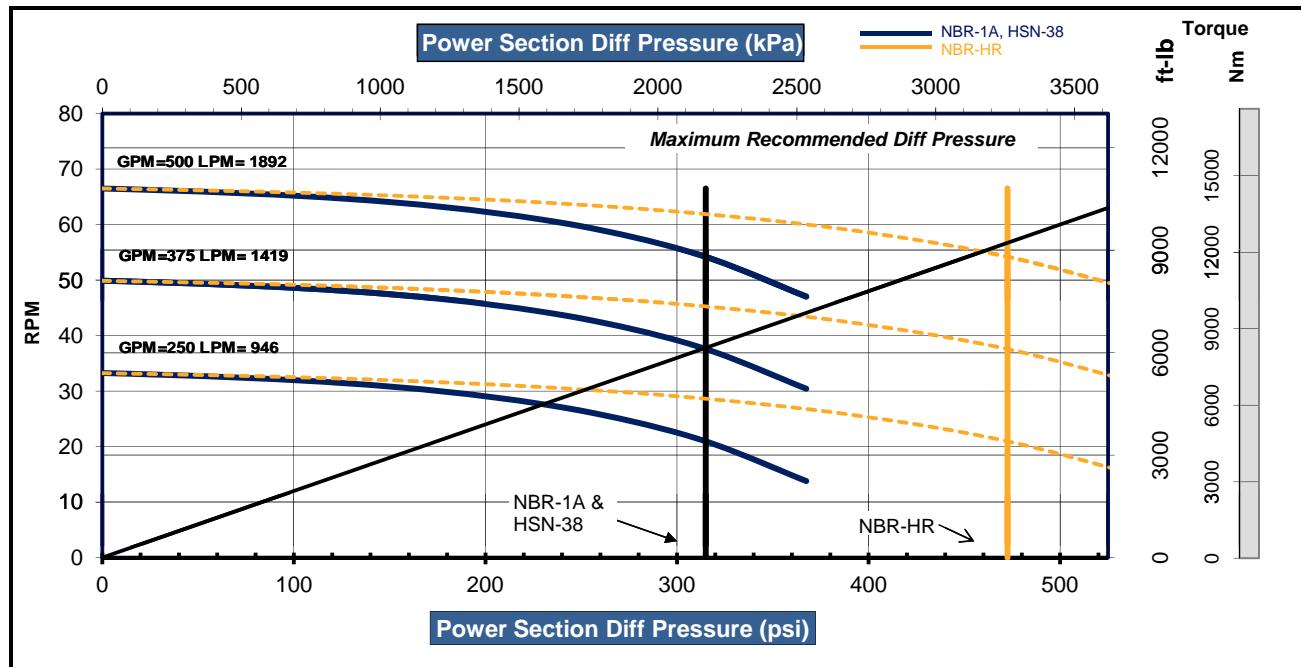
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.812 96.82
Oversize	3.829 97.26
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.006 0.15
Oversize	-0.011 -0.28
Second Oversize	

\* Alternate or custom thread forms are available

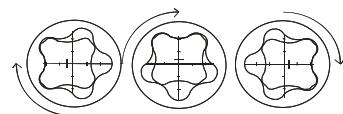


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.790 96.27
Standard	3.819 97.00
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.028 0.71
Standard	-0.001 -0.03
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	19.500 ft-lb/psi 3.835 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	250 to 500 GPM 950 to 1890 Litre/min	Max Diff Press psi (kPa)	320 (2170 ) 470 (3260 )
Rotation	0.133 Rev/Gal 0.035 Rev/Litre	Max Torque ft-lb (Nm)	6140 (8330 ) 9210 (12490 )
Speed Range	33 to 67 RPM	Stall Diff Press psi (kPa)	470 (3260 ) 710 (4890 )
Off Bottom Press	51 psi 350 kPa	Stall Torque ft-lb (Nm)	9210 (12490 ) 13820 (18740 )
		Max Recommended HP(kW)	78 (58) 109 (81)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



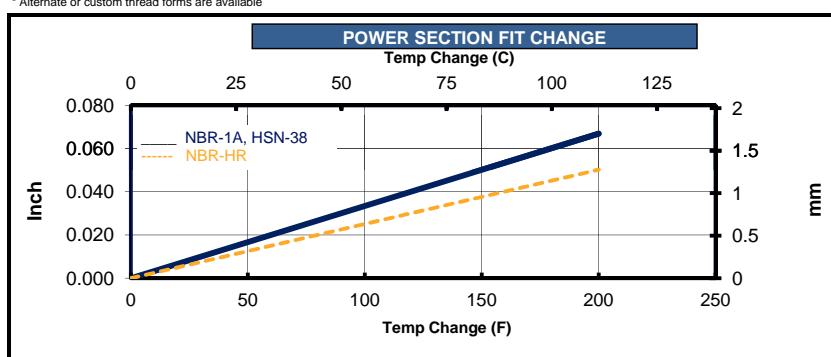
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	213.0	5410
Contour Length	206.0	5232
Eccentricity	0.244	6.2
Major Diameter	4.296	109.12
Head Diameter	4.000	101.60
Weight	621 (lbs) 281.7 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available

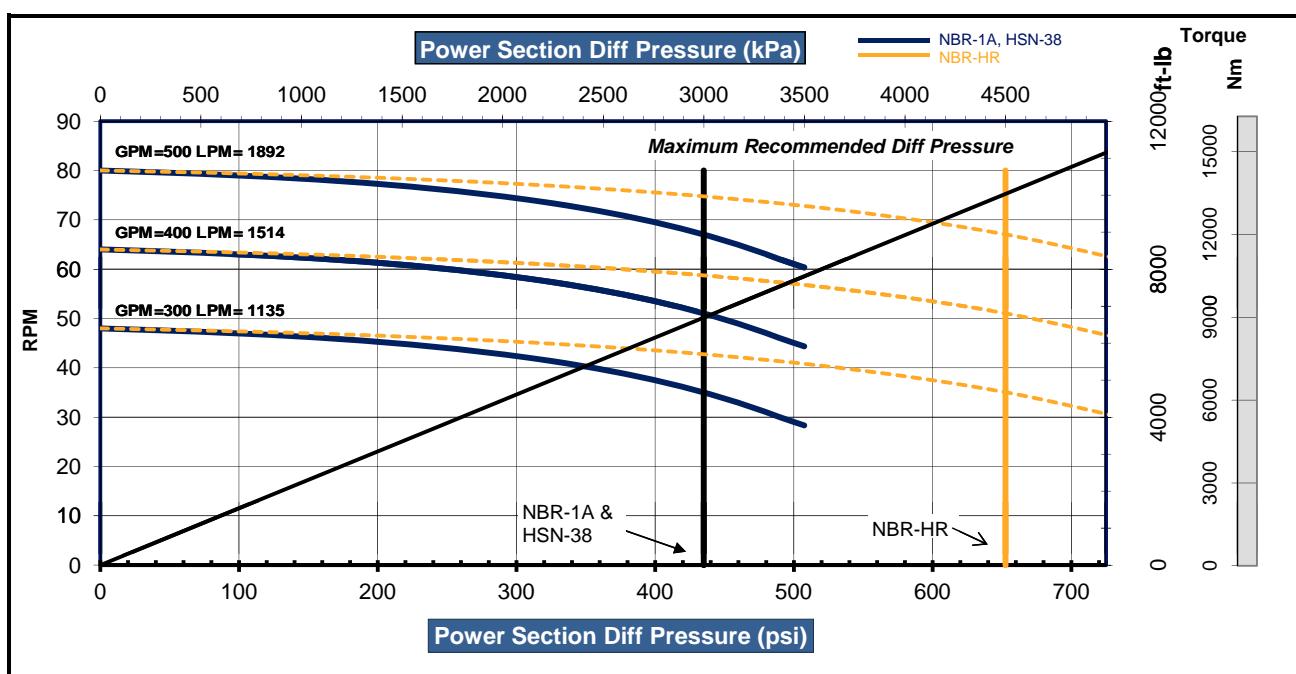
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.0	5588
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	832 (lbs) 377 (kg)	
Number of Stages	2.9	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.795 96.39
Oversize	3.820 97.03
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.013 0.33
Oversize	-0.012 -0.31
Double Oversize	

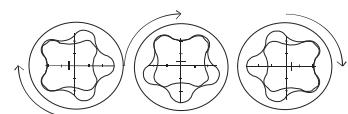


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	3.783 96.09
Standard	3.795 96.39
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.025 0.64
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	15.378 ft-lb/psi 3.024 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 500 GPM 1140 to 1890 Litre/min	Max Diff Press psi (kPa)	440 (3000 ) 650 (4500 )
Rotation	0.160 Rev/Gal 0.042 Rev/Litre	Max Torque ft-lb (Nm)	6690 (9070 ) 10030 (13600 )
Speed Range	48 to 80 RPM	Stall Diff Press psi (kPa)	650 (4500 ) 980 (6750 )
Off Bottom Press	66 psi 460 kPa	Stall Torque ft-lb (Nm)	10030 (13600 ) 15050 (20410 )
		Max Recommended HP(kW)	102 (76) 143 (107)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



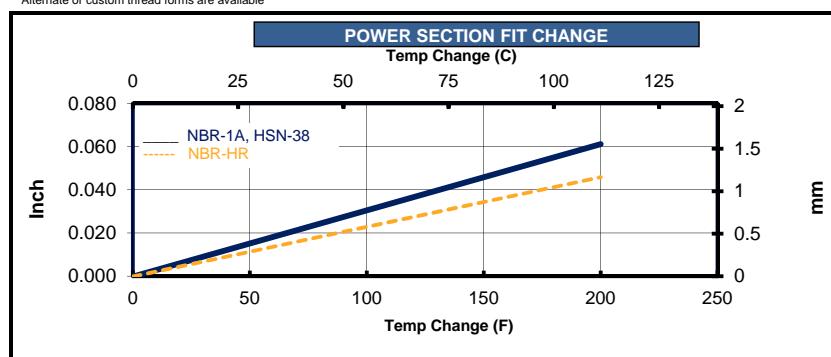
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	220.8	5607
Contour Length	214.3	5442
Eccentricity	0.233	5.91
Major Diameter	4.203	106.76
Head Diameter	4.000	101.60
Weight	570 (lbs) 258.6 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 or 2 7/8 API REG	

\* Alternate or custom thread forms are available.

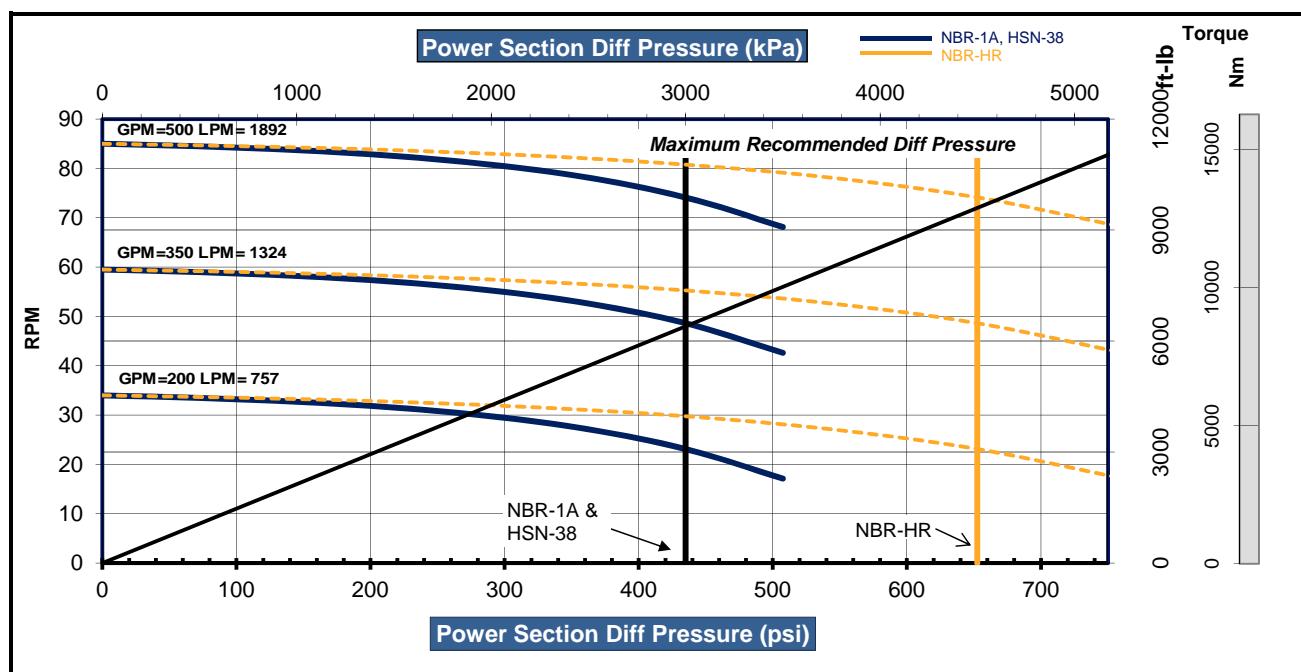
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	228.8	5810
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.31	134.9
Weight	954 (lbs) 433 (kg)	
Number of Stages	2.9	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.739 94.97
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.002 -0.05
Oversize	
Double Oversize	

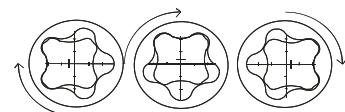


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.744 95.10
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.007 -0.18
Oversize	
Double Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	14.713 ft-lb/psi 2.893 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	200 to 500 GPM 760 to 1890 Litre/min	Max Diff Press psi (kPa)	440 (3000 ) 650 (4500 )
Rotation	0.170 Rev/Gal 0.045 Rev/Litre	Max Torque ft-lb (Nm)	6400 (8680 ) 9600 (13020 )
Speed Range	34 to 85 RPM	Stall Diff Press psi (kPa)	650 (4500 ) 980 (6750 )
Off Bottom Press	56 psi 390 kPa	Stall Torque ft-lb (Nm)	9600 (13020 ) 14400 (19520 )
		Max Recommended HP(kW)	104 (77) 148 (110)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



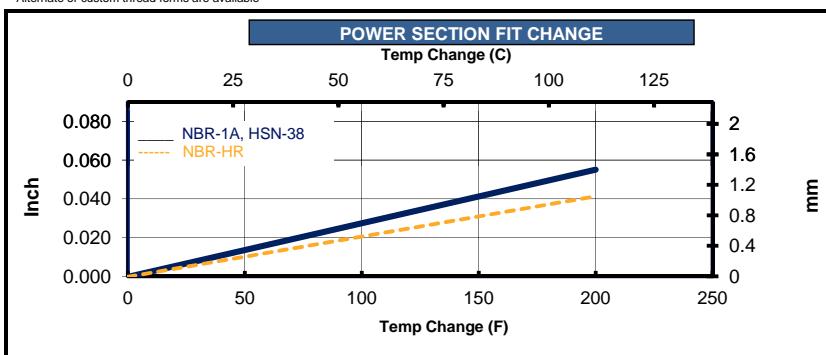
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	118.5	3010
Contour Length	111.5	2832
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.000	101.60
Weight	391 (lbs) 177.4 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	125.0	3175
Rubber Cut Back	7.3	184
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Alternate Length	122	3099
Weight	481 (lbs) 218 (kg)	
Number of Stages	3.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

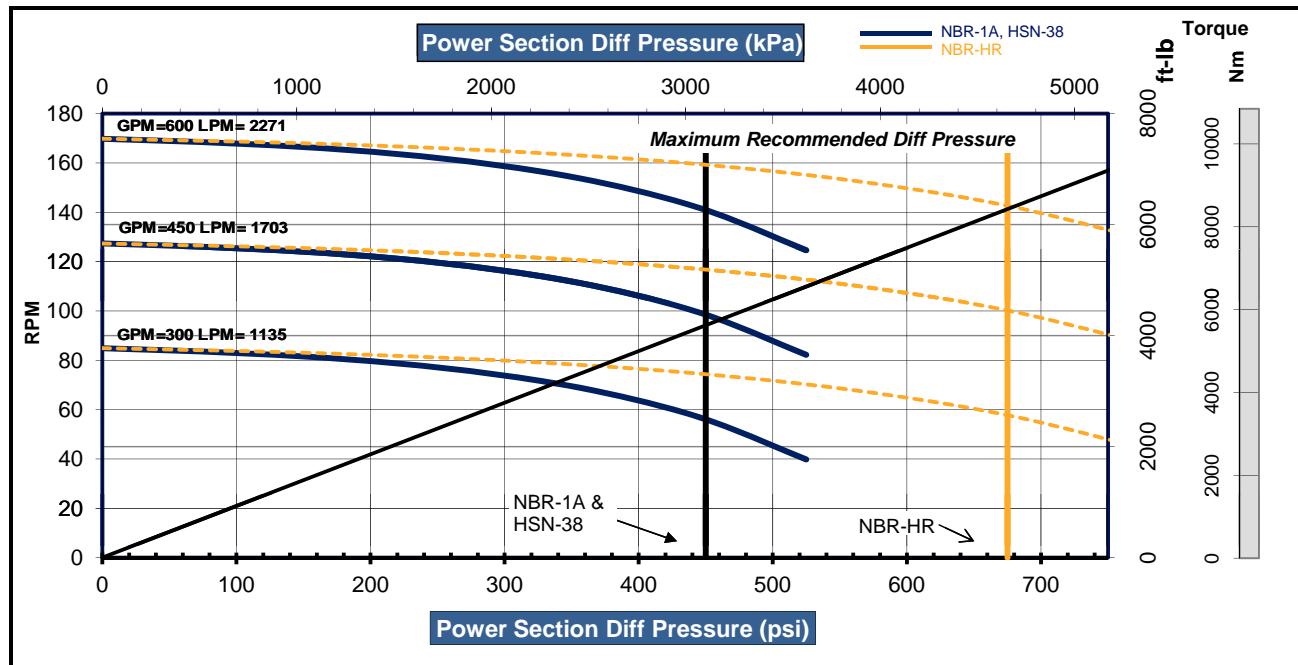
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.985 101.22
Oversize	4.013 101.93
Second Oversize	4.037 102.54
Nominal Fit at 75 F (25 C)	
Standard	0.023 0.58
Oversize	-0.005 -0.13
Second Oversize	-0.029 -0.74

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.987 101.27
Oversize	4.012 101.90
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.021 0.53
Oversize	-0.004 -0.10

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.283 Rev/Gal 0.075 Rev/Litre	Max Torque ft-lb (Nm)	4190 (5670 ) 6280 (8510 )
Speed Range	84 to 170 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	111 psi 770 kPa	Stall Torque ft-lb (Nm)	6280 (8510 ) 9420 (12770 )
		Max Recommended HP(kW)	135 (101) 190 (142)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

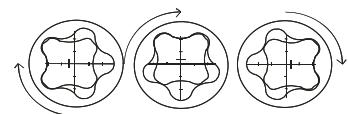
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD675783.0 Slow

6.75" 7/8 Lobes 3 Stages



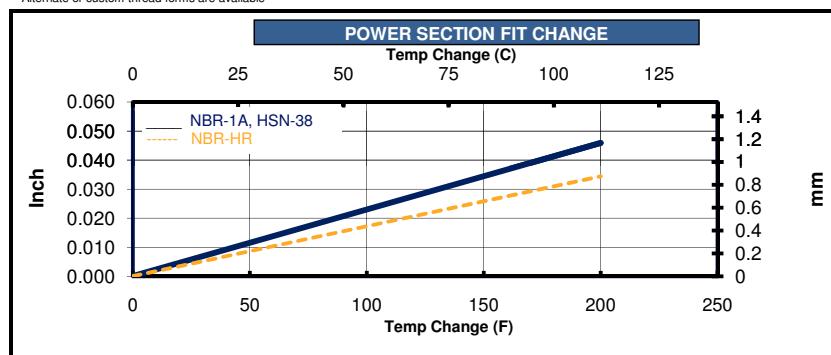
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	197.5	5017
Contour Length	191.0	4851
Eccentricity	0.255	6.48
Major Diameter	4.570	116.08
Head Diameter	4.000	101.60
Weight	570 (lbs) 258.6 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	204.0	5182
Rubber Cut Back	7.5	191
Tube O.D.	6.75	171.5
Tube I.D.	5.40	137.2
Weight	795 (lbs) 361 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

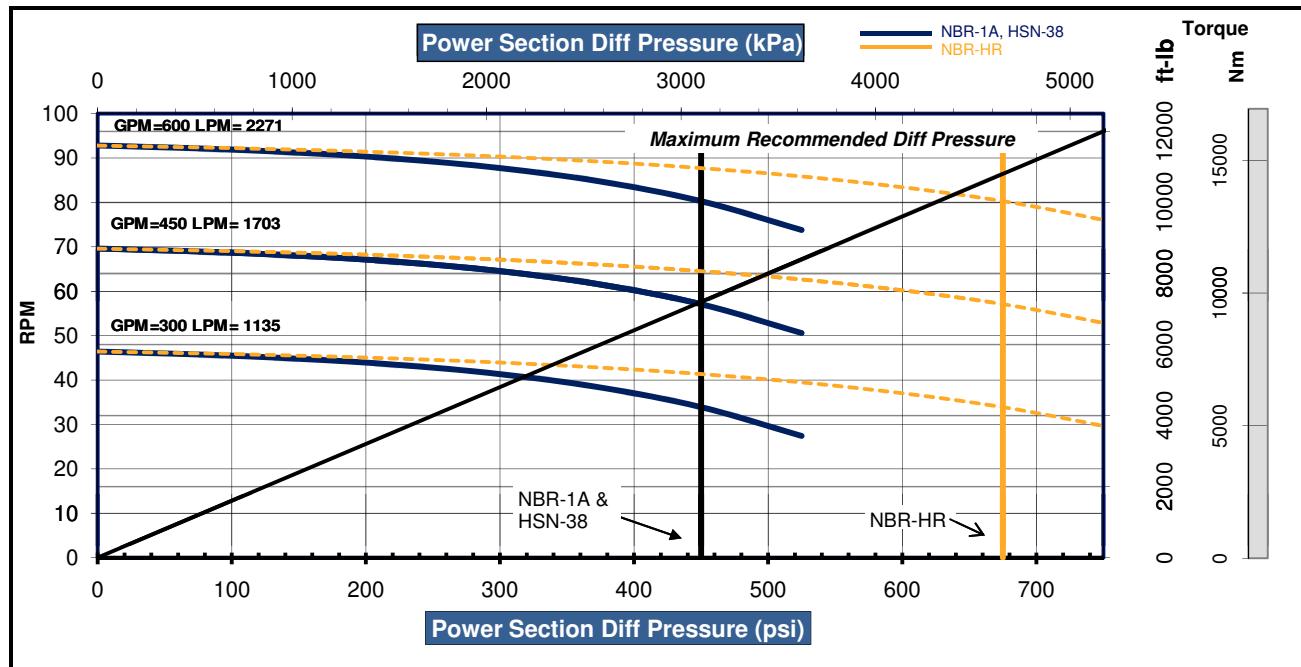
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.045 102.74
Oversize	4.064 103.23
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.015 0.38
Oversize	-0.004 -0.10
Second Oversize	

\* Alternate or custom thread forms are available

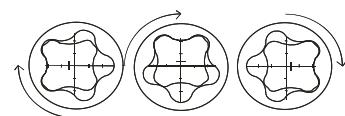


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.045 102.74
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.015 0.38
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.001 ft-lb/psi 3.146 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.155 Rev/Gal 0.041 Rev/Litre	Max Torque ft-lb (Nm)	7200 (9760 ) 10800 (14640 )
Speed Range	46 to 93 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	75 psi 520 kPa	Stall Torque ft-lb (Nm)	10800 (14640 ) 16200 (21960 )
		Max Recommended HP(kW)	127 (95) 180 (134)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



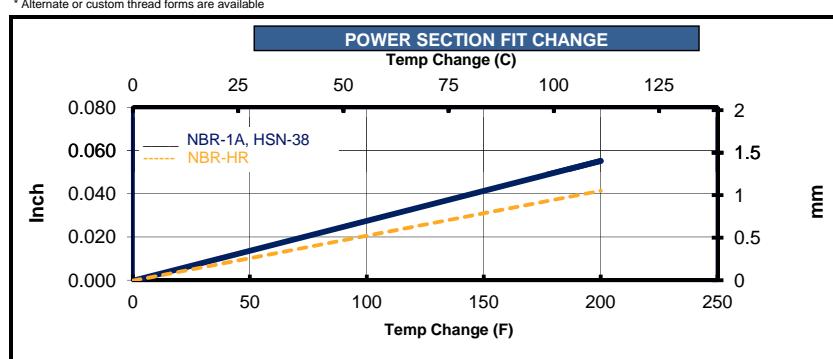
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	238.5	6058
Contour Length	231.5	5880
Eccentricity	0.255	6.48
Major Diameter	4.500	114.30
Head Diameter	4.000	101.60
Weight	803 (lbs) 364.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available.

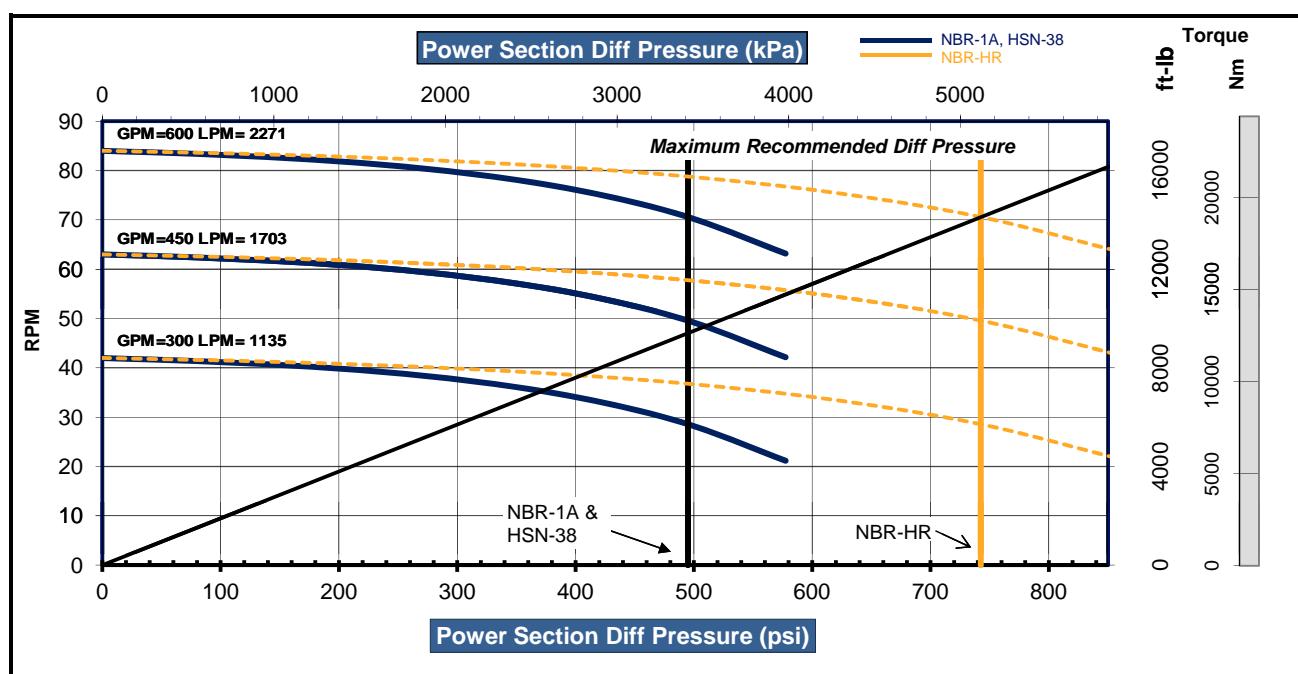
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	245.0	6223
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	909 (lbs) 412 (kg)	
Number of Stages	3.3	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.986 101.24
Oversize	4.003 101.68
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.004 0.10
Oversize	-0.013 -0.33
Double Oversize	



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.986 101.24
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.004 0.10
Oversize	
Double Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	19.000 ft-lb/psi 3.736 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	500 (3410 ) 740 (5120 )
Rotation	0.140 Rev/Gal 0.037 Rev/Litre	Max Torque ft-lb (Nm)	9410 (12750 ) 14110 (19130 )
Speed Range	42 to 84 RPM	Stall Diff Press psi (kPa)	740 (5120 ) 1110 (7680 )
Off Bottom Press	150 psi 1030 kPa	Stall Torque ft-lb (Nm)	14110 (19130 ) 21160 (28690 )
		Max Recommended HP(kW)	150 (112) 212 (158)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

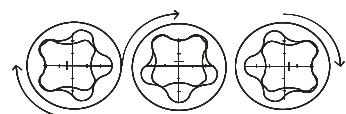
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD675783.5 ESX2

6.75" 7/8 Lobes 3.5 Stages



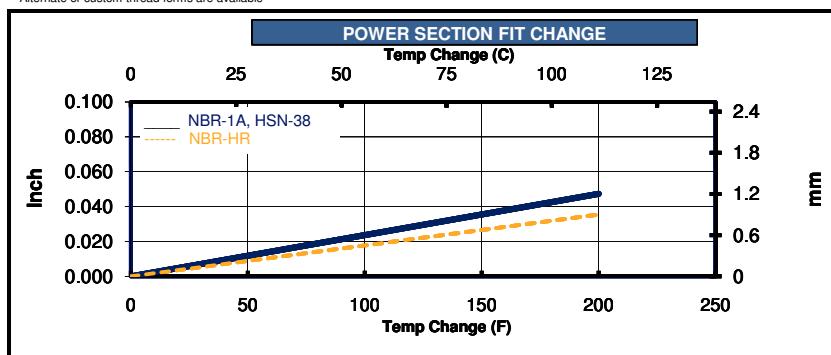
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	245.0	6223
Eccentricity	0.247	6.27
Major Diameter	4.639	117.83
Head Diameter	4.500	114.30
Weight	876 (lbs) 397.4 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	827 (lbs) 375 (kg)	
Number of Stages	3.50	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

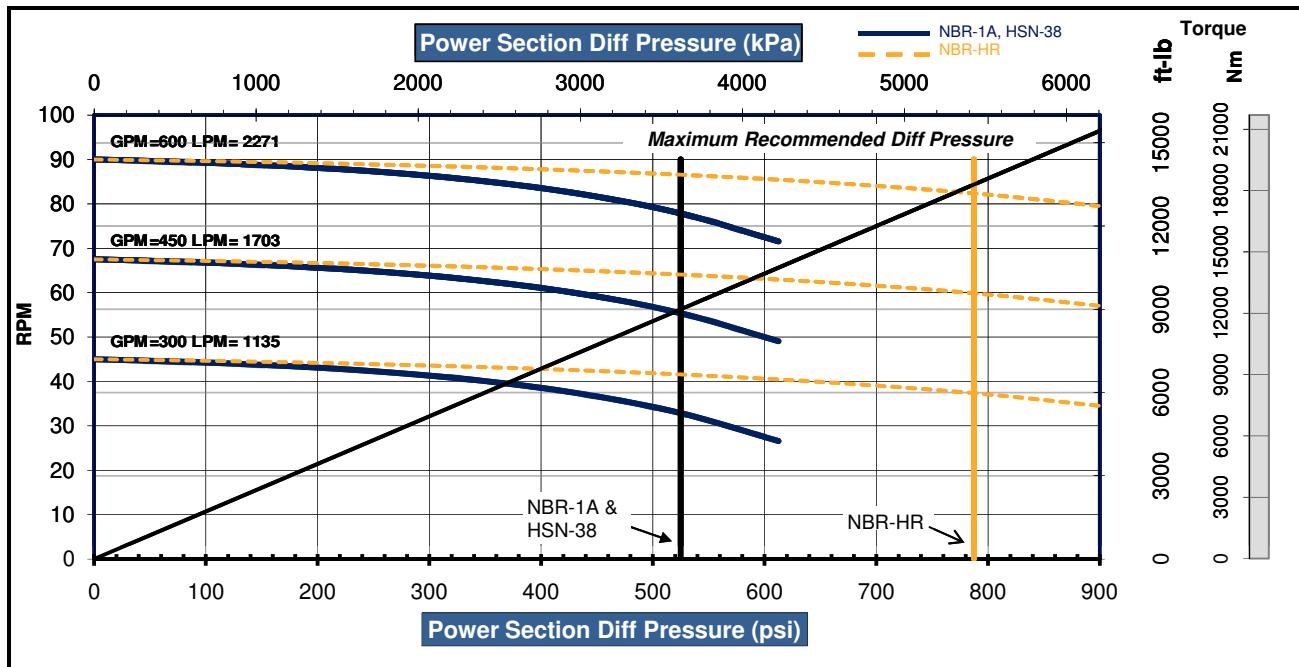
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.135 105.03
Oversize	4.163 105.74
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.012 0.31
Oversize	-0.016 -0.41
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.142 105.21
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.005 0.13
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	17.143 ft-lb/psi 3.371 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	530 (3620)
Rotation	0.150 Rev/Gal 0.040 Rev/Litre	Max Torque ft-lb (Nm)	9000 (12200)
Speed Range	45 to 90 RPM	Stall Diff Press psi (kPa)	790 (5430)
Off Bottom Press	150 psi 1030 kPa	Stall Torque ft-lb (Nm)	13500 (18300)
		Max Recommended HP(kW)	154 (115) 223 (166)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

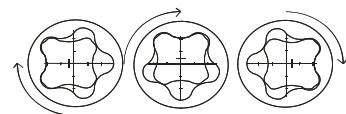
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD675784.1 ESX3

6.75" 7/8 Lobes 4.1 Stages



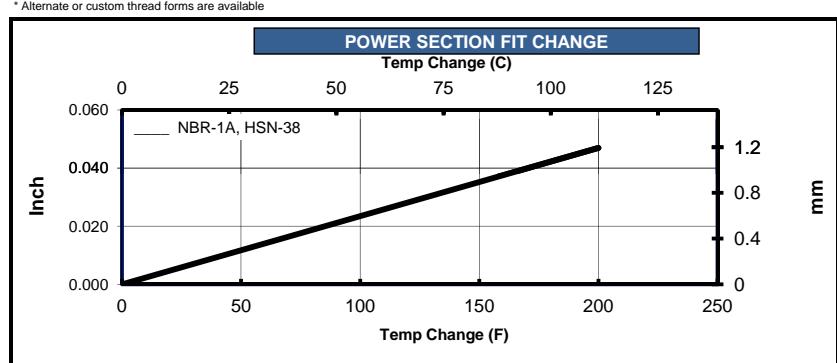
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	291.8	7410
Contour Length	284.8	7233
Eccentricity	0.247	6.27
Major Diameter	4.639	117.83
Head Diameter	4.500	114.30
Weight	1014 (lbs) 460 (kg)	
Material		17-4SS
Thread Form*	2 7/8 API REG	

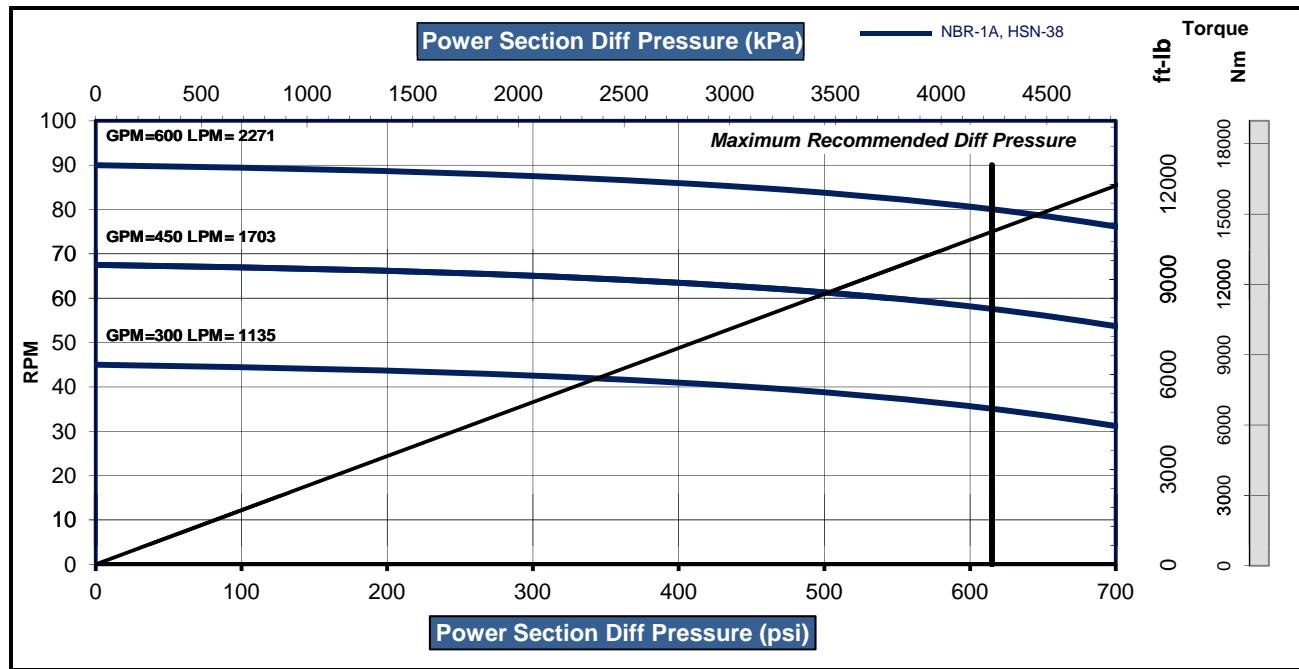
\* Alternate or custom thread forms are available

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	299.8	7614
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	925 (lbs) 420 (kg)	
Number of Stages		4.1
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

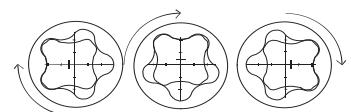
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.140	105.16
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.007	0.18
Oversize		
Double Oversize		



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	17.073 ft-lb/psi 3.357 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	620 (4240 )
Rotation	0.150 Rev/Gal 0.040 Rev/Litre	Max Torque ft-lb (Nm)	10500 (14230 )
Speed Range	45 to 90 RPM	Stall Diff Press psi (kPa)	920 (6360 )
Off Bottom Press	125 psi 860 kPa	Stall Torque ft-lb (Nm)	15750 (21350 )
		Max Recommended HP(kW)	180 (134)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



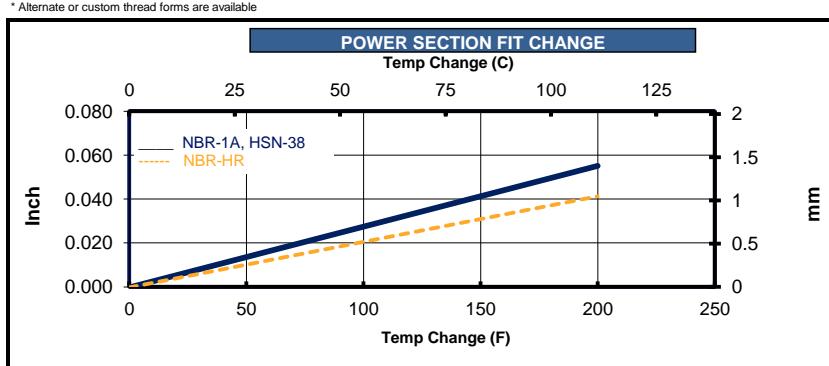
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	188.0	4775
Contour Length	181.0	4597
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.000	101.60
Weight	620 (lbs) 281.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available

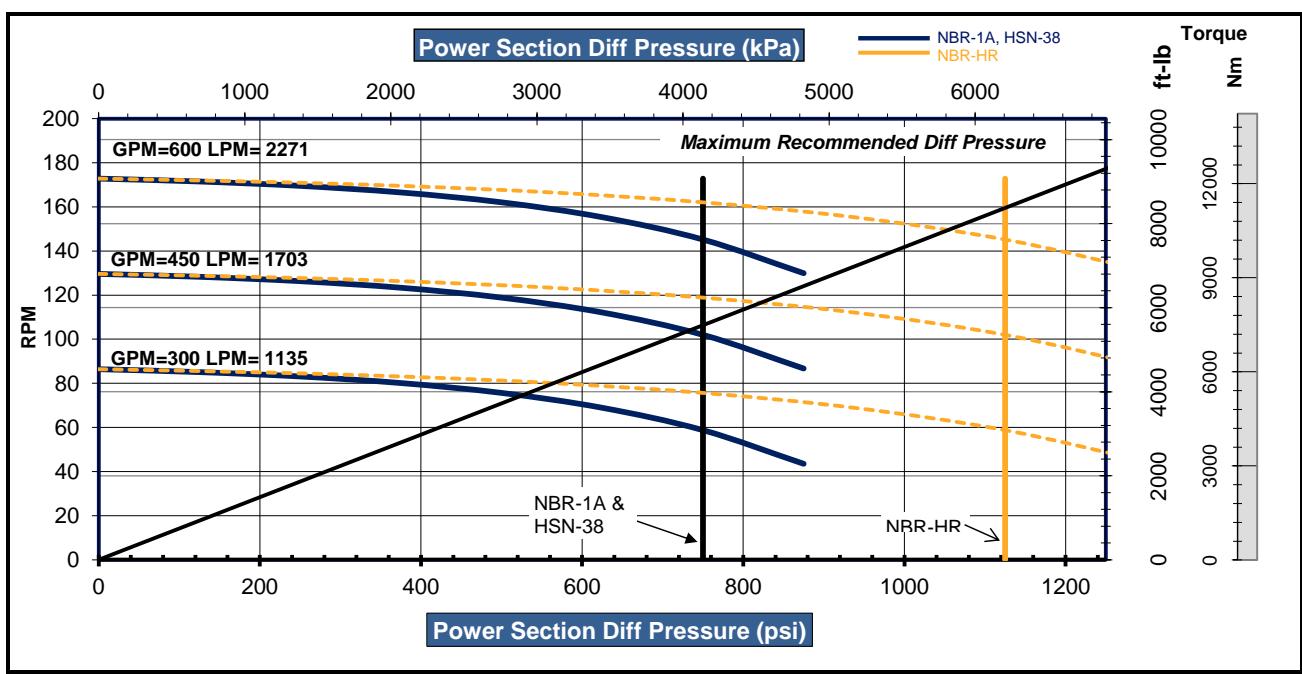
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	194.5	4940
Rubber Cut Back	7.3	184
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	746 (lbs) 338 (kg)	
Number of Stages	5.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.981 101.12
Oversize	4.003 101.68
Double Oversize	4.037 102.54
Nominal Fit at 75 F (25 C)	
Standard	0.027 0.69
Oversize	0.005 0.13
Double Oversize	-0.029 -0.74

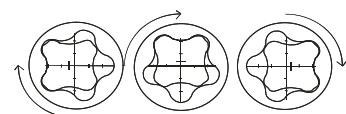


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.995 101.47
Oversize	4.012 101.90
Double Oversize	4.028 102.31
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	-0.004 -0.10
Double Oversize	-0.020 -0.51

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	750 (5170) 1130 (7760)
Rotation	0.288 Rev/Gal 0.076 Rev/Litre	Stall Diff Press psi (kPa)	6980 (9460) 10460 (14190)
Speed Range	86 to 180 RPM	Stall Torque ft-lb (Nm)	1130 (7760) 1690 (11630)
Off Bottom Press	137 psi 940 kPa	Max Recommended HP(kW)	10460 (14190) 15690 (21280)
			229 (171) 323 (241)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



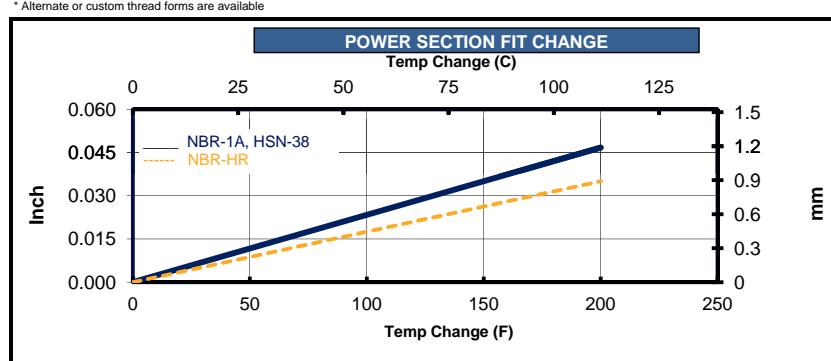
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	245.0	6223
Eccentricity	0.247	6.26
Major Diameter	4.644	117.96
Head Diameter	4.500	114.30
Weight	883 (lbs) 400.5 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG OR 2 7/8 API IF	

\* Alternate or custom thread forms are available.

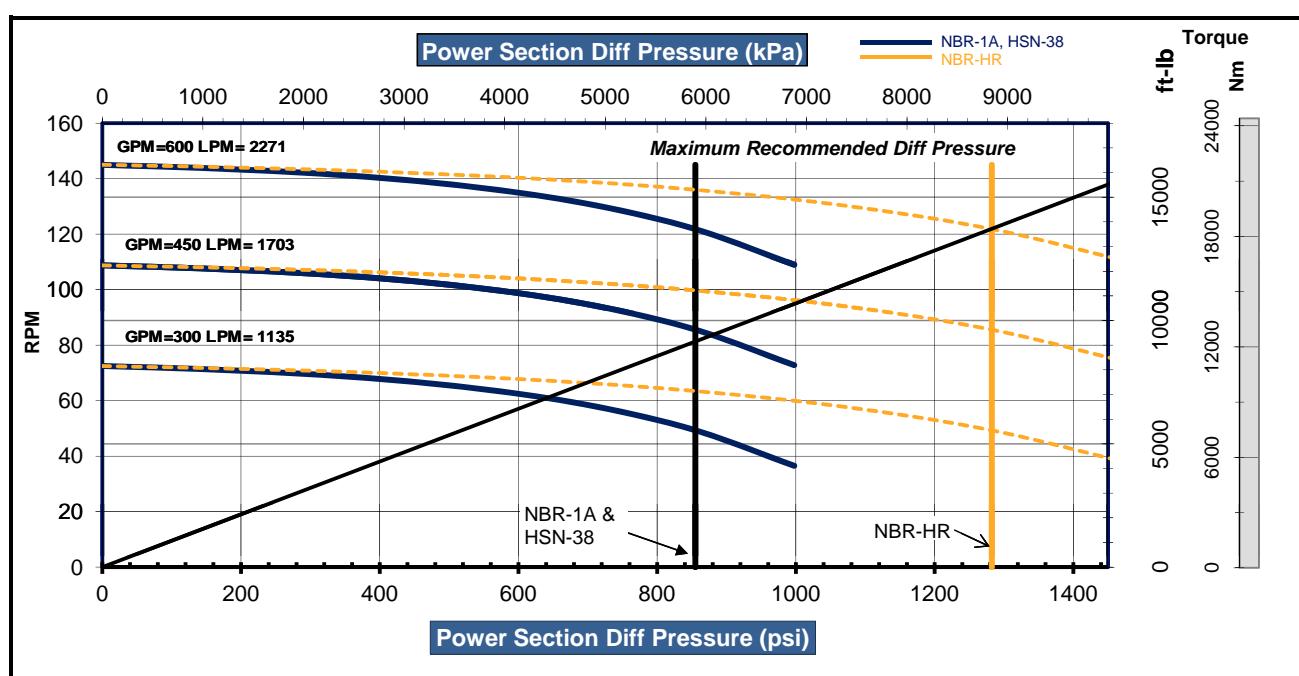
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	827 (lbs) 375 (kg)	
Number of Stages	5.7	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.147 105.33
Oversize	4.180 106.17
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.004 0.10
Oversize	-0.029 -0.74
Double Oversize	

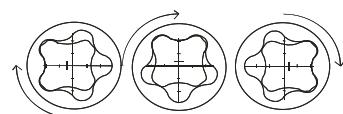


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.158 105.61
Oversize	4.166 105.82
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.007 -0.18
Oversize	-0.015 -0.38

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	10.698 ft-lb/psi 2.104 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	860 (5900 ) 1280 (8840 )
Rotation	0.242 Rev/Gal 0.064 Rev/Litre	Max Torque ft-lb (Nm)	9150 (12400 ) 13720 (18600 )
Speed Range	72 to 150 RPM	Stall Diff Press psi (kPa)	1280 (8840 ) 1920 (13260 )
Off Bottom Press	106 psi 730 kPa	Stall Torque ft-lb (Nm)	13720 (18600 ) 20580 (27910 )
		Max Recommended HP(kW)	253 (188) 355 (265)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.



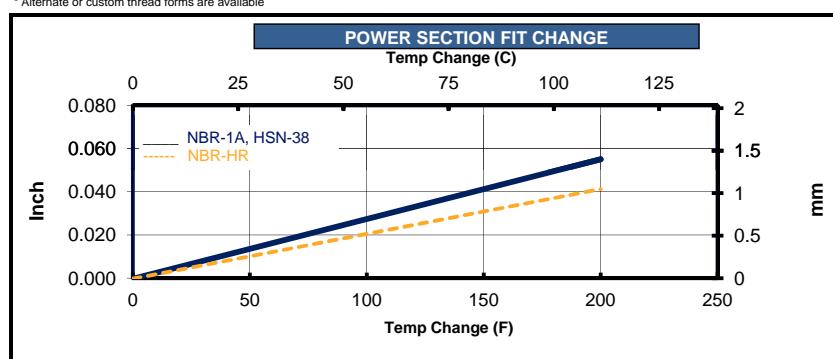
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	223.0	5664
Contour Length	217.0	5512
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.500	114.30
Weight	723 (lbs) 328 (kg)	
Material		17-4SS
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available

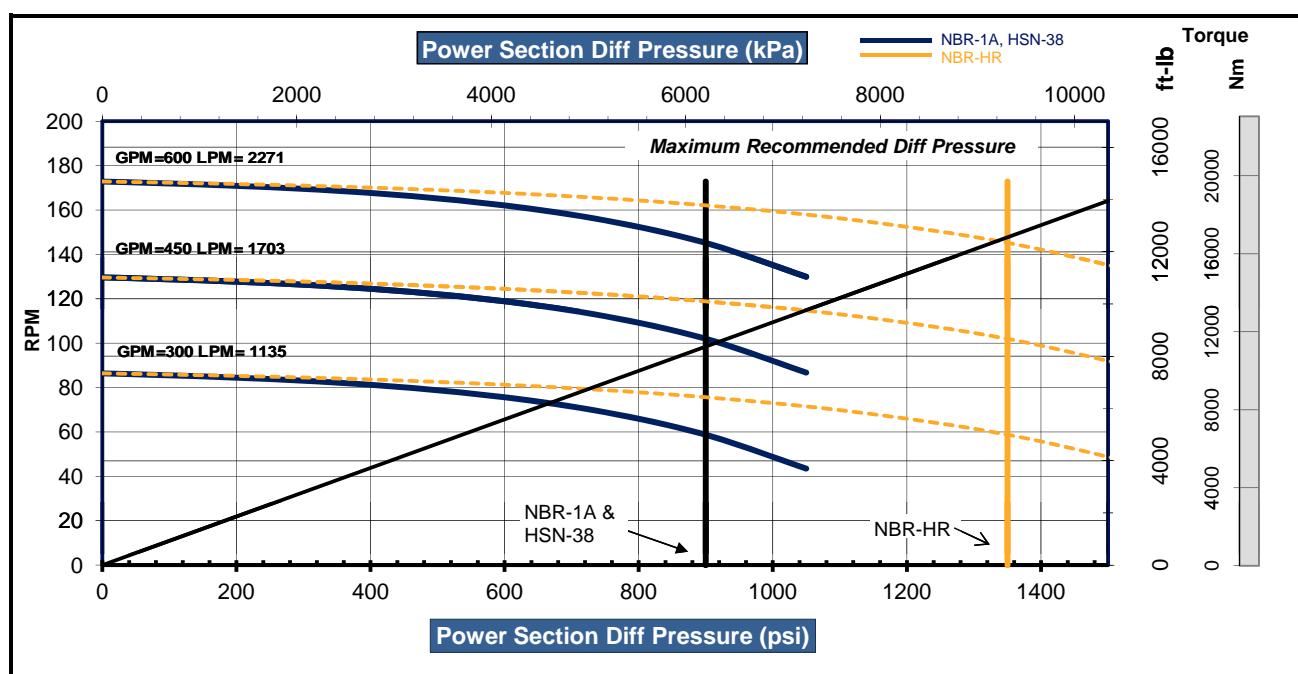
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	232.0	5893
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	884 (lbs) 401 (kg)	
Number of Stages		6.0
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	3.977 101.02
Oversize	4.001 101.63
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.031 0.79
Oversize	0.007 0.18
Double Oversize	



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	3.986 101.24
Oversize	4.023 102.18
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.022 0.56
Oversize	-0.015 -0.38

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Rotation	0.288 Rev/Gal 0.076 Rev/Litre	Max Torque ft-lb (Nm)	8370 (11350 ) 12560 (17020 )
Speed Range	86 to 180 RPM	Stall Diff Press psi (kPa)	1350 (9310 ) 2030 (13960 )
Off Bottom Press	155 psi 1070 kPa	Stall Torque ft-lb (Nm)	12560 (17020 ) 18830 (25540 )
		Max Recommended HP(kW)	275 (205) 387 (289)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

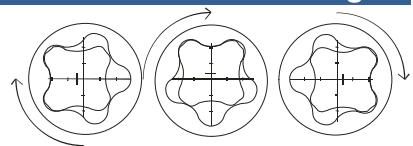
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310

Model No: DD675786.4

6.75" 7/8 Lobes 6.4 Stages

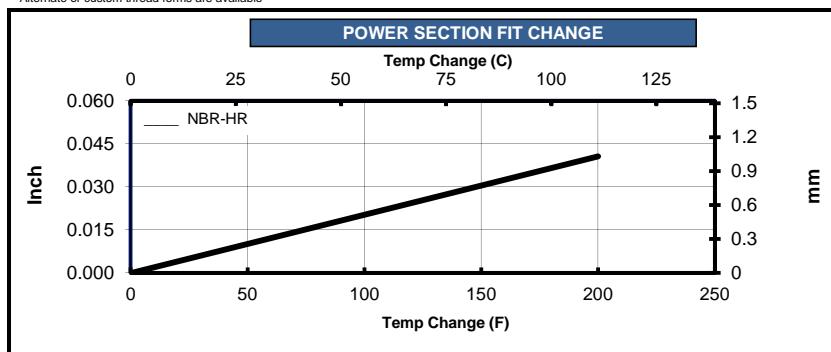


## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	238.7	6063
Contour Length	232.0	5893
Eccentricity	0.256	6.5
Major Diameter	4.520	114.81
Head Diameter	4.000	101.60
Weight	686 (lbs) 311.2 (kg)	
Material		17-4SS
Thread Form*	2 7/8 API REG	

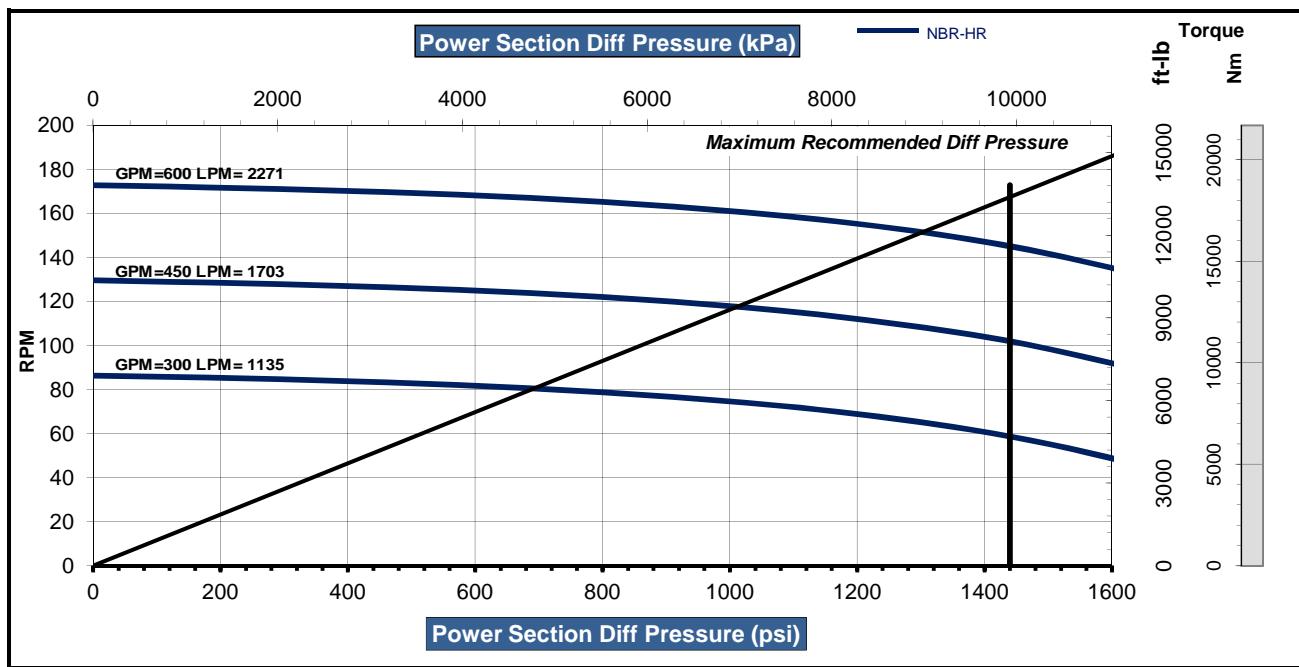
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	245.2	6228
Rubber Cut Back	7.3	184
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	826 (lbs) 375 (kg)	
Number of Stages		6.4
Rubber Type	NBR-HR	
Tube Material	4142 Seamless Tubing	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Standard	3.992 101.40
Oversize	
Second Oversize	4.020 102.11
<b>Nominal Fit at 75 F (25 C)</b>	
Standard	0.016 0.41
Oversize	
Second Oversize	-0.012 -0.30

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa	Max Diff Press psi (kPa)	NBR-HR 1440 (9930)
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	13390 (18160)
Rotation	0.288 Rev/Gal 0.076 Rev/Litre	Stall Diff Press psi (kPa)	2160 (14890)
Speed Range	86 to 180 RPM	Stall Torque ft-lb (Nm)	20090 (27240)
Off Bottom Press	131 psi 900 kPa	Max Recommended HP(kW)	413 (308)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill®. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

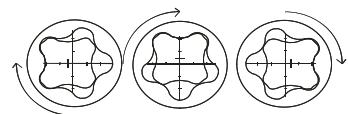
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD675786.7 SX3

6.75" 7/8 Lobes 6.7 Stages



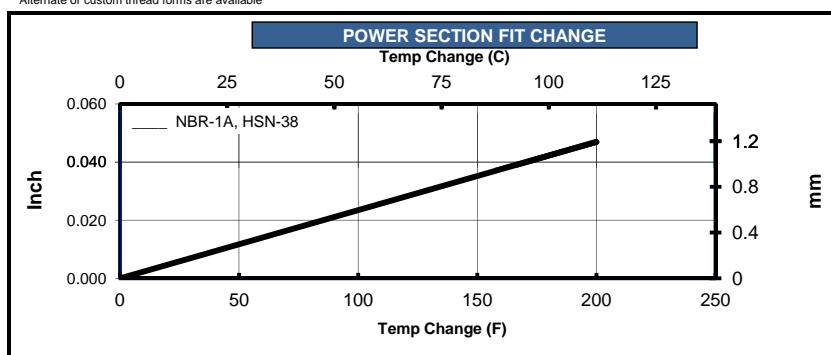
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	291.8	7410
Contour Length	284.8	7233
Eccentricity	0.247	6.27
Major Diameter	4.639	117.83
Head Diameter	4.500	114.30
Weight	1014 (lbs) 460 (kg)	
Material		17-4SS
Thread Form*	2 7/8 API REG	

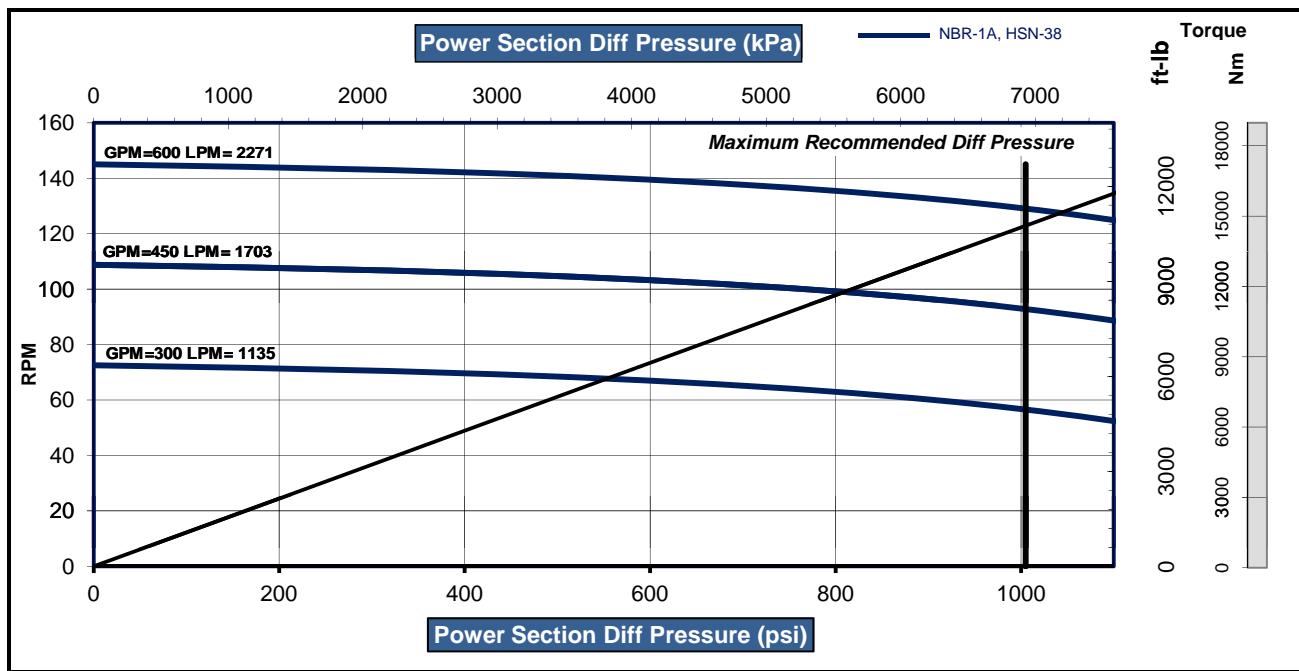
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	299.8	7614
Rubber Cut Back	8.0	203
Tube O.D.	6.75	171.5
Tube I.D.	5.50	139.7
Weight	925 (lbs) 420 (kg)	
Number of Stages	6.7	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.140	105.16
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.007	0.18
Oversize		
Double Oversize		

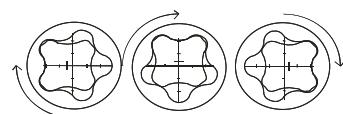
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	10.700 ft-lb/psi 2.104 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	1010 (6930 )
Rotation	0.242 Rev/Gal 0.064 Rev/Litre	Max Torque ft-lb (Nm)	10750 (14580 )
Speed Range	72 to 150 RPM	Stall Diff Press psi (kPa)	1510 (10390 )
Off Bottom Press	114 psi 790 kPa	Stall Torque ft-lb (Nm)	16130 (21870 )
		Max Recommended HP(kW)	297 (221)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



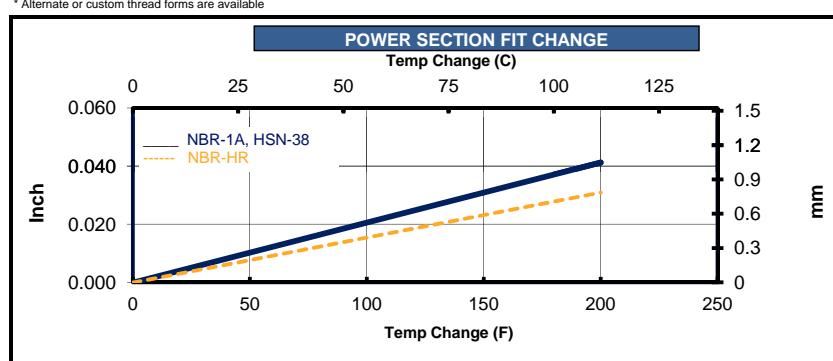
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	85.0	2159
Contour Length	75.2	1910
Eccentricity	0.211	5.36
Major Diameter	4.830	122.68
Head Diameter	4.060	103.10
Weight	357 (lbs) 161.9 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available.

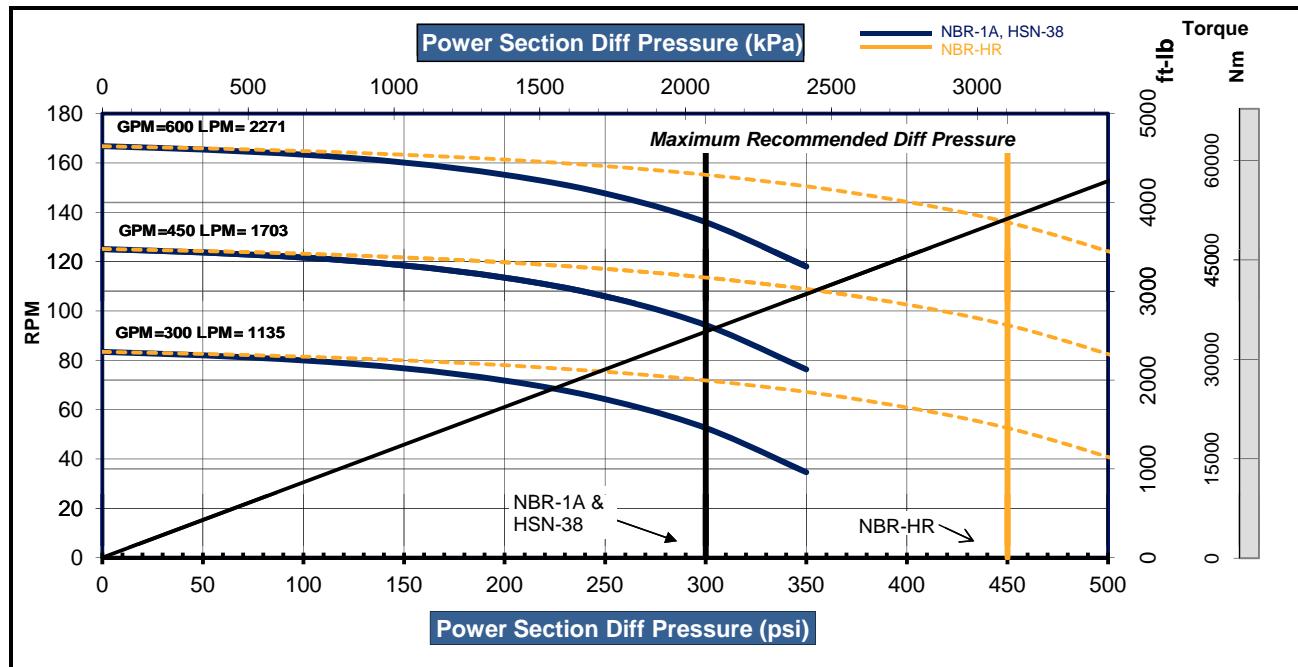
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	90.8	2305
Rubber Cut Back	10.0	254
Tube O.D.	6.75	171.5
Tube I.D.	5.59	142.1
Alternate Length	122	3099
Weight	293 (lbs) 133 (kg)	
Number of Stages	2.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.389 111.48
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.018 0.46
Oversize	
Double Oversize	

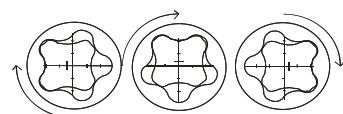


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	4.382 111.30
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.025 0.64
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.480 ft-lb/psi 1.668 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Diff Press psi (kPa)	300 (2070 ) 450 (3100 )
Rotation	0.278 Rev/Gal 0.073 Rev/Litre	Max Torque ft-lb (Nm)	2540 (3450 ) 3820 (5180 )
Speed Range	83 to 170 RPM	Stall Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Off Bottom Press	96 psi 660 kPa	Stall Torque ft-lb (Nm)	3820 (5180 ) 5720 (7760 )
		Max Recommended HP(kW)	81 (60) 113 (84)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



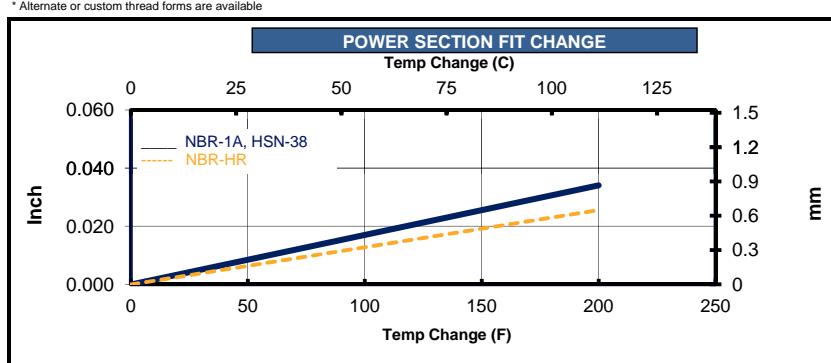
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	152.0	3861
Contour Length	143.5	3645
Eccentricity	0.201	5.11
Major Diameter	4.943	125.55
Head Diameter	4.120	104.60
Weight	685 (lbs) 310.7 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 API REG	

\* Alternate or custom thread forms are available.

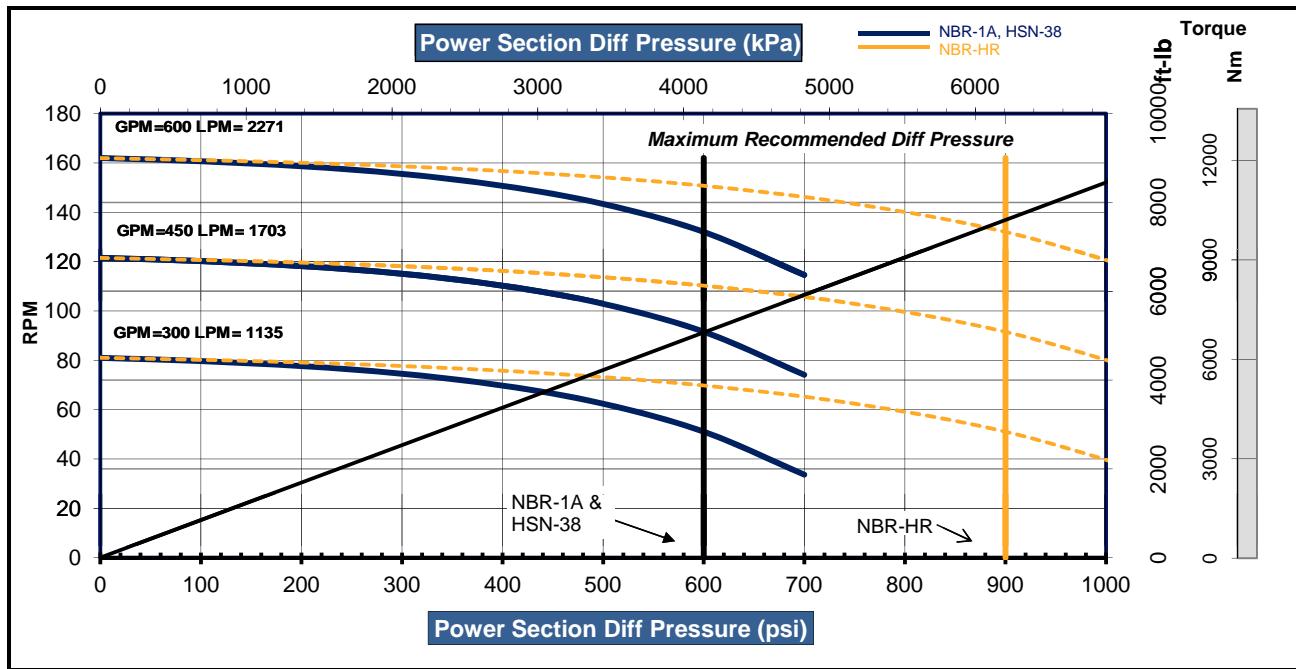
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	157.8	4007
Rubber Cut Back	10.0	254
Tube O.D.	6.75	171.5
Tube I.D.	5.59	142.1
Alternate Length	122	3099
Weight	527 (lbs) 239 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.535	115.19
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.008	0.20
Oversize		
Double Oversize		



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize	4.517	114.73
Standard		
Oversize		
Nominal Fit at 75 F (25 C)		
Undersize	0.026	0.66
Standard		
Oversize		

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	8.450 ft-lb/psi 1.662 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	600 (4140 ) 900 (6210 )
Rotation	0.270 Rev/Gal 0.071 Rev/Litre	Stall Diff Press psi (kPa)	5070 (6880 ) 7610 (10310 )
Speed Range	81 to 170 RPM	Stall Torque ft-lb (Nm)	900 (6210 ) 1350 (9310 )
Off Bottom Press	102 psi 700 kPa	Max Recommended HP(kW)	7610 (10310 ) 11410 (15470 )
			156 (117) 218 (163)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

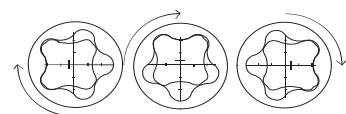
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD700568.2

7" 5/6 Lobes 8.2 Stages



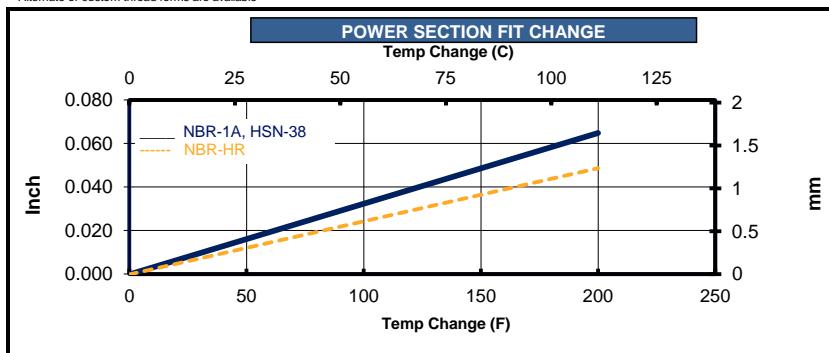
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	233.0	5918
Contour Length	226.0	5740
Eccentricity	0.335	8.51
Major Diameter	4.371	111.02
Head Diameter	4.500	114.30
Weight	633 (lbs) 287.1 (kg)	
Material		17-4SS
Thread Form*	2 7/8 HUGHES	
		SLIMLINE H-90

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	246.0	6248
Rubber Cut Back	11.0	279
Tube O.D.	7.00	177.8
Tube I.D.	5.50	139.7
Weight	1107 (lbs) 502 (kg)	
Number of Stages		8.2
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

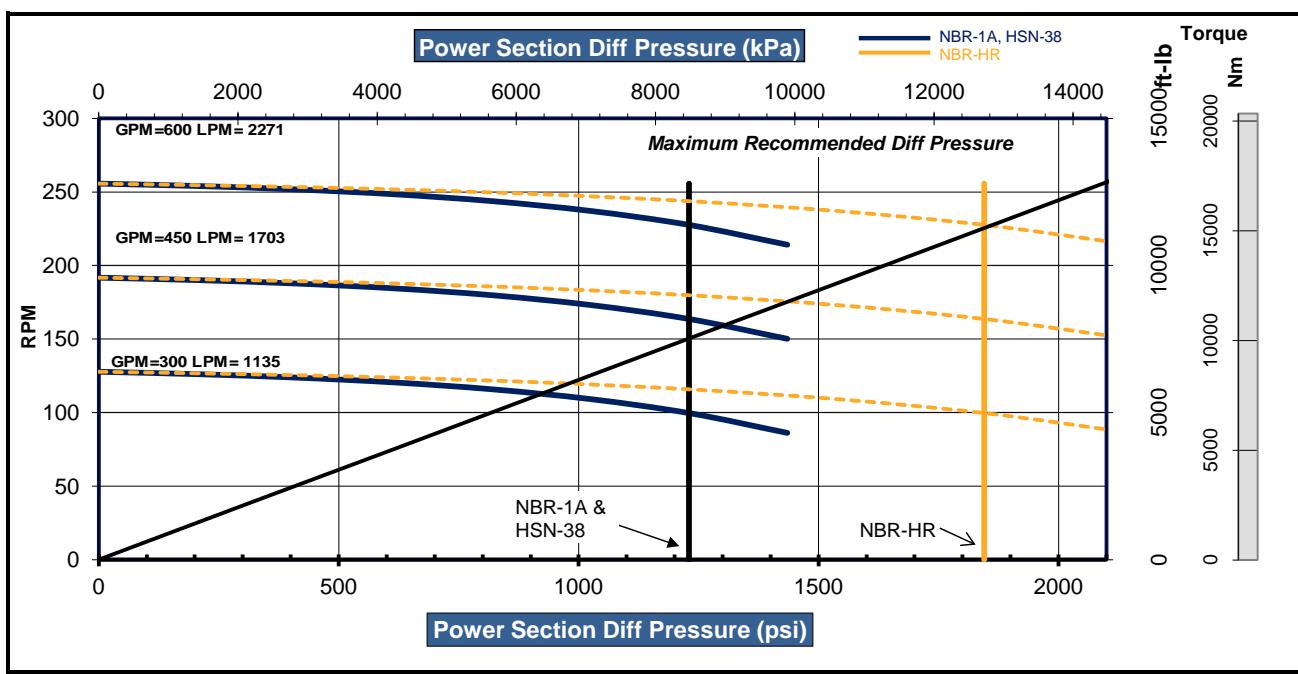
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
	Inch	mm
Stator Size	3.682	93.52
Standard	3.703	94.06
Oversize	3.721	94.51
Nominal Fit at 75 F (25 C)		
Standard	0.020	0.51
Oversize	-0.001	-0.03
Double Oversize	-0.019	-0.48

\* Alternate or custom thread forms are available

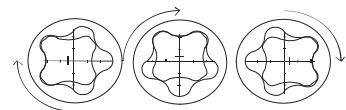


FIT INFORMATION		
NBR-HR	Minor Diameter	
	Inch	mm
Stator Size	3.689	93.70
Undersize	3.706	94.13
Standard	0.013	0.33
Oversize	-0.004	-0.10
Nominal Fit at 75 F (25 C)		
Undersize		
Standard		
Oversize		

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	6.109 ft-lb/psi 1.201 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	1230 (8480) 1850 (12720)
Rotation	0.426 Rev/Gal 0.113 Rev/Litre	Stall Diff Press psi (kPa)	7510 (10190) 11270 (15280)
Speed Range	127 to 260 RPM	Stall Torque ft-lb (Nm)	1850 (12720) 2770 (19080)
Off Bottom Press	182 psi 1250 kPa	Max Recommended HP(kW)	11270 (15280) 16910 (22920)
			366 (273) 523 (390)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	233.0	5918
Contour Length	226.0	5740
Eccentricity	0.250	6.36
Major Diameter	4.538	115.27
Head Diameter	4.500	114.30
Weight	772 (lbs) 350.2 (kg)	
Material	17-4SS	
Thread Form*	2 7/8 HUGHES SLIMLINE H-90	

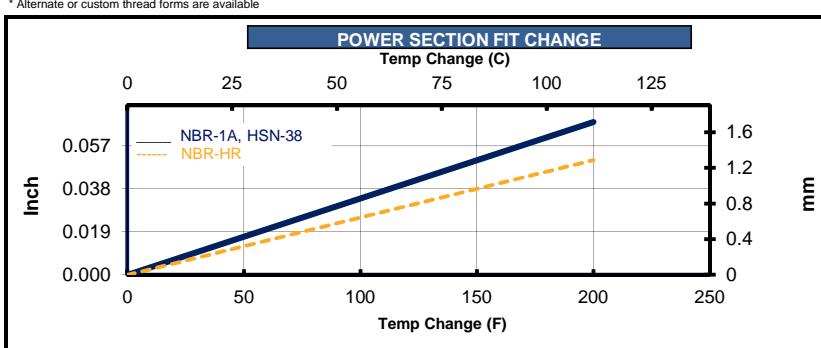
\* Alternate or custom thread forms are available

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	246.0	6248
Rubber Cut Back	11.0	279
Tube O.D.	7.00	177.8
Tube I.D.	5.75	146.1
Weight	772 (lbs) 350 (kg)	
Number of Stages	6.8	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.017	102.03
Oversize	4.048	102.82
Double Oversize	4.078	103.58

Nominal Fit at 75 F (25 C)		
Standard	0.020	0.51
Oversize	-0.011	-0.28
Double Oversize	-0.041	-1.04

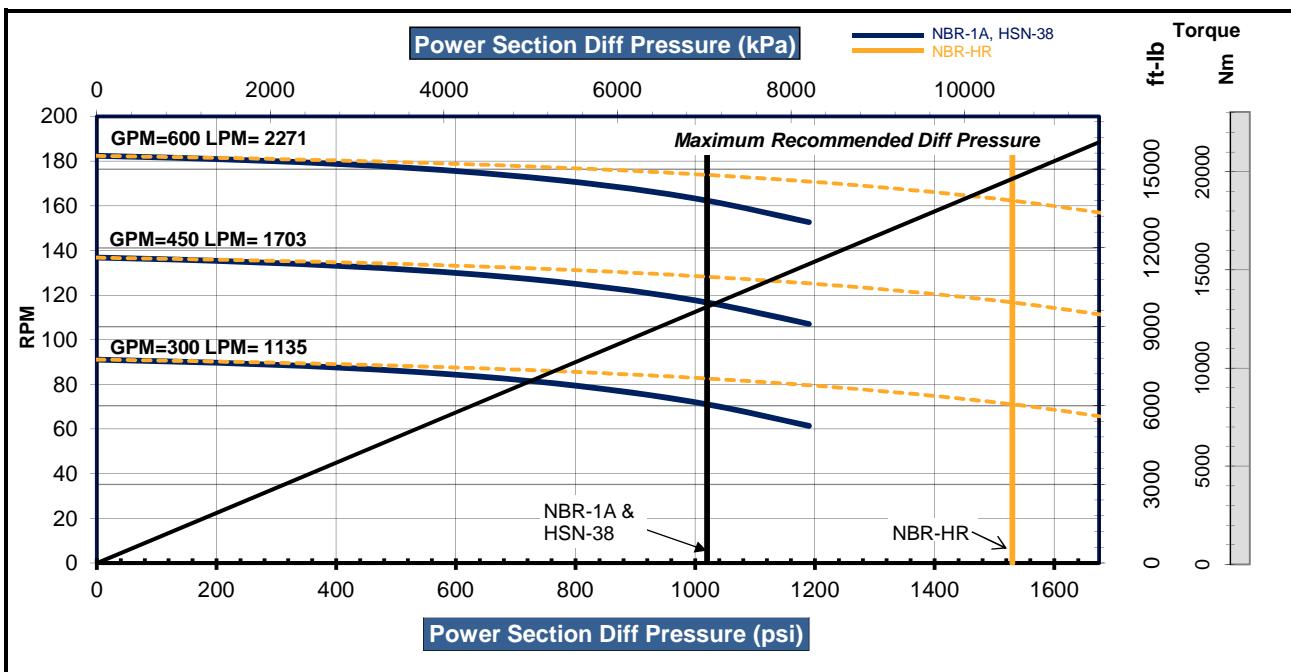


FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize	4.024	102.21
Standard	4.054	102.97
Oversize		
Double Oversize		

Nominal Fit at 75 F (25 C)		
Undersize	Standard	Oversize
	0.013	0.33
Undersize		
Standard	-0.017	-0.43
Oversize		
Double Oversize		

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	NBR-HR
Torque Slope	9.564 ft-lb/psi 1.881 Nm/kPa	Max Diff Press psi (kPa)	1020 (7030 ) 1530 (10550 )
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min	Max Torque ft-lb (Nm)	9760 (13230 ) 14630 (19840 )
Rotation	0.304 Rev/Gal 0.080 Rev/Litre	Stall Diff Press psi (kPa)	1530 (10550 ) 2300 (15820 )
Speed Range	91 to 190 RPM	Stall Torque ft-lb (Nm)	14630 (19840 ) 21950 (29760 )
Off Bottom Press	144 psi 990 kPa	Max Recommended HP(kW)	339 (253) 484 (361)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill® . All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

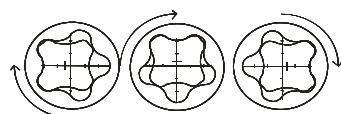
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD775455.3

7.75" 4/5 Lobes 5.3 Stages



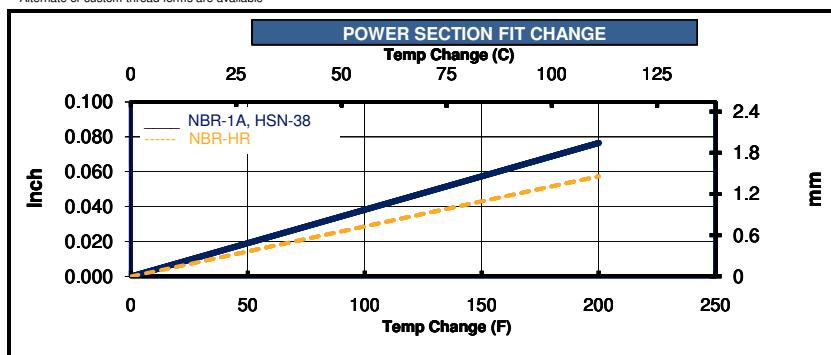
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	221.0	5613
Contour Length	213.0	5410
Eccentricity	0.415	10.54
Major Diameter	4.940	125.48
Head Diameter	4.750	120.70
Weight	765 (lbs) 347 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	228.0	5791
Rubber Cut Back	8.0	203
Tube O.D.	7.75	196.9
Tube I.D.	6.25	158.8
Weight	1197 (lbs) 543 (kg)	
Number of Stages	5.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

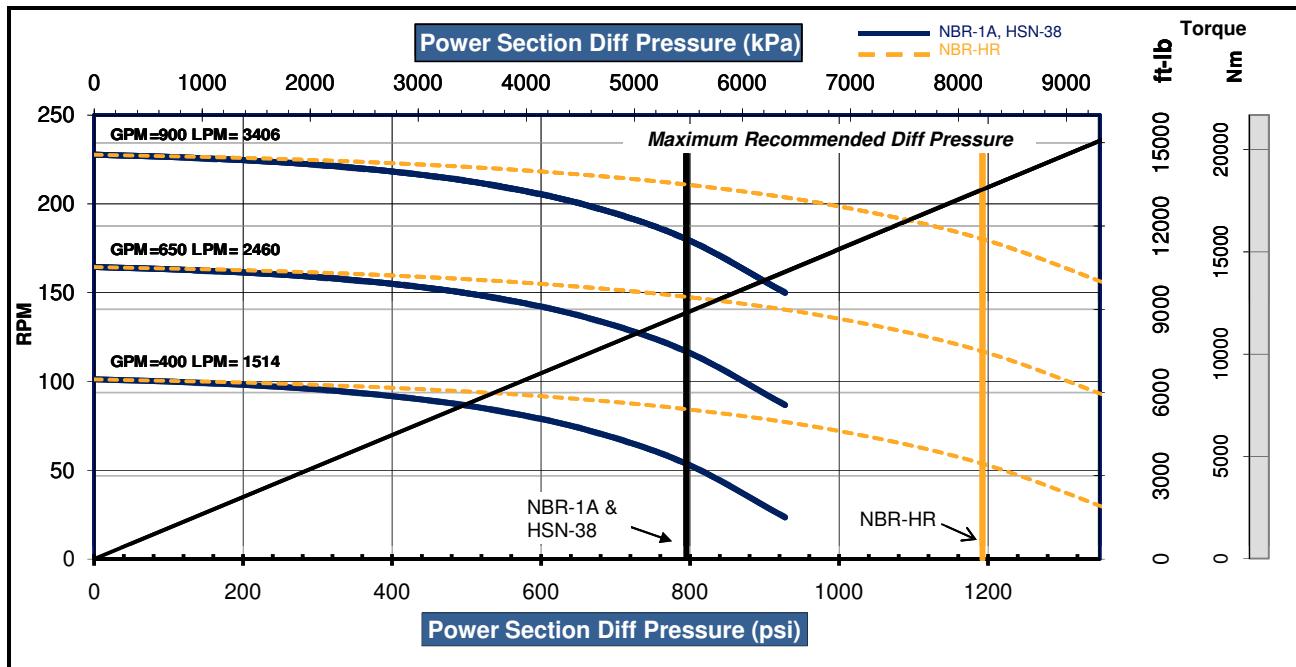
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.085 103.76
Oversize	4.115 104.52
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.025 0.64
Oversize	-0.005 -0.13
Second Oversize	

\* Alternate or custom thread forms are available

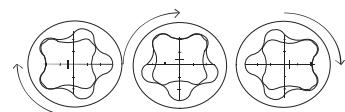


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.097 104.06
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	11.164 ft-lb/psi 2.195 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	800 (5480 ) 1190 (8220 )
Rotation	0.253 Rev/Gal 0.067 Rev/Litre	Max Torque ft-lb (Nm)	8880 (12030 ) 13310 (18050 )
Speed Range	101 to 230 RPM	Stall Diff Press psi (kPa)	1190 (8220 ) 1790 (12330 )
Off Bottom Press	180 psi 1240 kPa	Stall Torque ft-lb (Nm)	13310 (18050 ) 19970 (27070 )
		Max Recommended HP(kW)	385 (287) 535 (399)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



## POWER SECTION

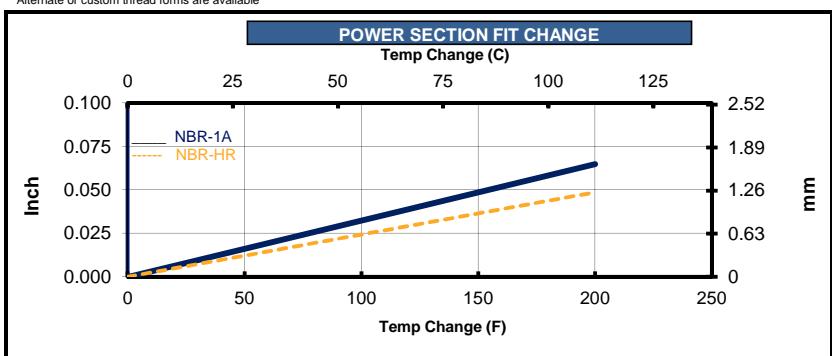
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	244.5	6210
Eccentricity	0.419	10.63
Major Diameter	5.143	130.63
Head Diameter	5.000	127.00
Weight	850 (lbs) 385.6 (kg)	
Material		17-4SS
Thread Form*	3 1/2 API IF	

\* Alternate or custom thread forms are available.

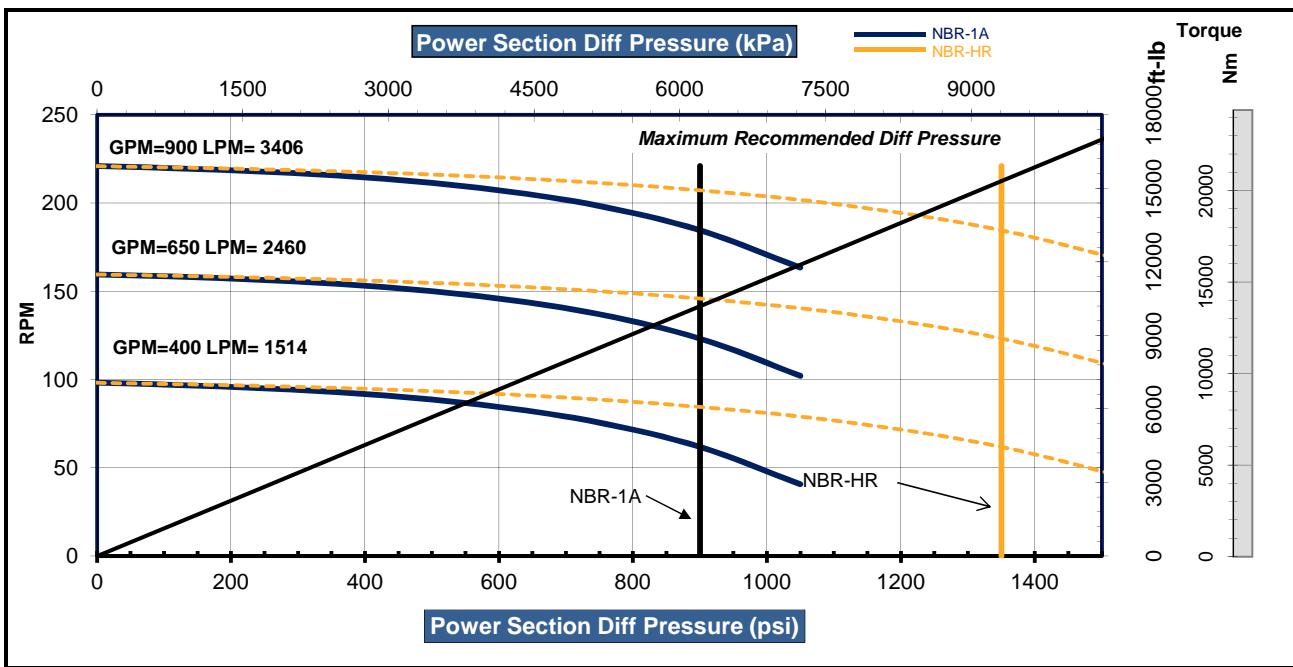
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	7.75	196.9
Tube I.D.	6.25	158.8
Weight	1177 (lbs) 534 (kg)	
Number of Stages	6.0	
Rubber Type	NBR-1A, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A	Minor Diameter
Stator Size	Inch mm
Standard	4.300 109.22
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.006 0.15
Oversize	
Double Oversize	

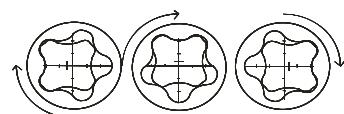
FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	4.280 108.71
Standard	
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.026 0.66
Standard	
Oversize	
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	11.333 ft-lb/psi 2.229 Nm/kPa	NBR-1A	NBR-HR
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Rotation	0.246 Rev/Gal 0.065 Rev/Litre	Max Torque ft-lb (Nm)	10200 (13830 ) 15300 (20750 )
Speed Range	98 to 230 RPM	Stall Diff Press psi (kPa)	1350 (9310 ) 2030 (13960 )
Off Bottom Press	155 psi 1070 kPa	Stall Torque ft-lb (Nm)	15300 (20750 ) 22950 (31120 )
		Max Recommended HP(kW)	429 (320) 604 (451)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2014 Dyna-Drill®. All rights reserved.



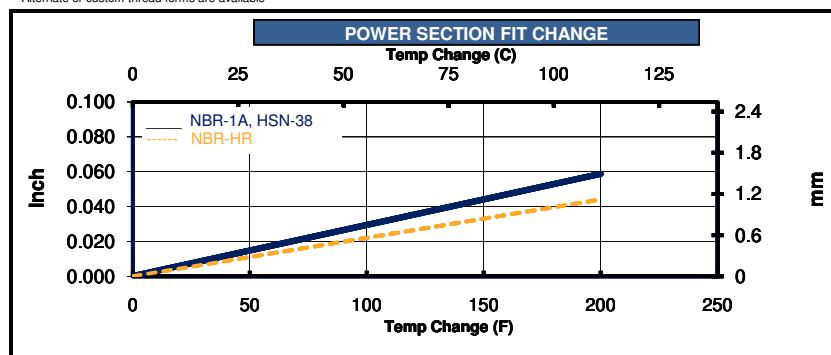
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	153.0	3886
Contour Length	145.0	3683
Eccentricity	0.293	7.44
Major Diameter	5.186	131.72
Head Diameter	4.750	120.70
Weight	693 (lbs) 314.3 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	160.0	4064
Rubber Cut Back	8.0	203
Tube O.D.	7.75	196.9
Tube I.D.	6.25	158.8
Alternate Length	168	4267
Weight	833 (lbs) 378 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

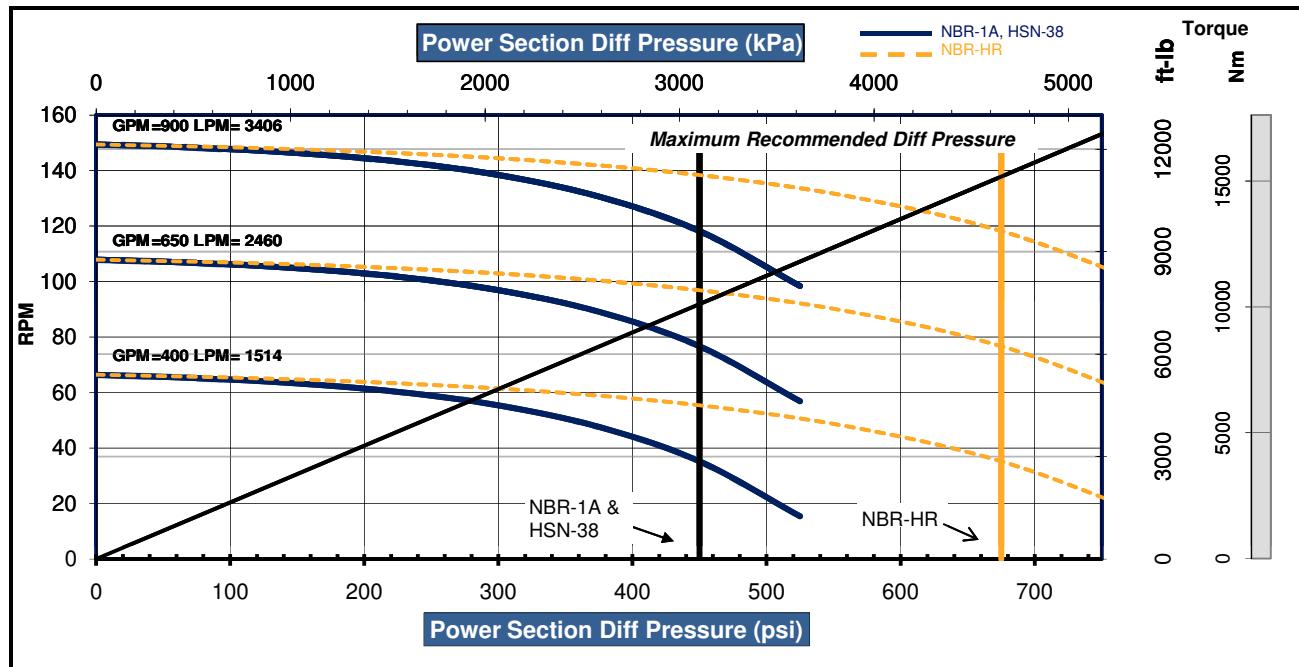
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.581 116.36
Oversize	4.606 116.99
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	-0.006 -0.15
Second Oversize	

\* Alternate or custom thread forms are available

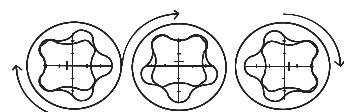


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.588 116.54
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.012 0.30
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.589 ft-lb/psi 3.262 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.166 Rev/Gal 0.044 Rev/Litre	Max Torque ft-lb (Nm)	7470 (10120 ) 11200 (15180 )
Speed Range	66 to 150 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	117 psi 810 kPa	Stall Torque ft-lb (Nm)	11200 (15180 ) 16800 (22770 )
		Max Recommended HP(kW)	212 (158) 295 (220)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



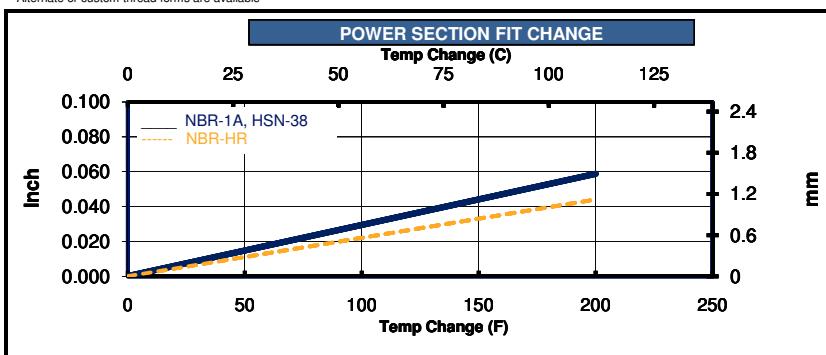
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	196.3	4985
Contour Length	188.3	4782
Eccentricity	0.293	7.44
Major Diameter	5.186	131.72
Head Diameter	4.750	120.70
Weight	883 (lbs) 400.5 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.2	5161
Rubber Cut Back	8.0	203
Tube O.D.	7.75	196.9
Tube I.D.	6.25	158.8
Weight	1024 (lbs) 464 (kg)	
Number of Stages	4.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

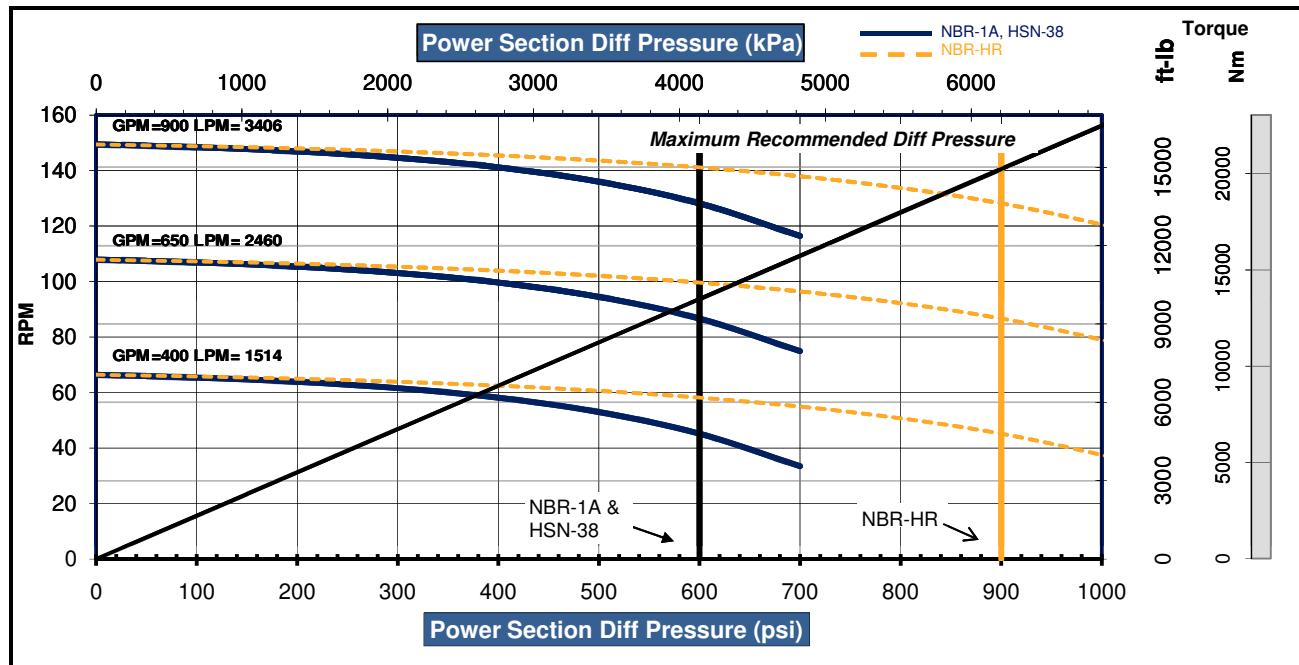
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.581 116.36
Oversize	4.606 116.99
Second Oversize	4.631 117.63
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	-0.006 -0.15
Second Oversize	-0.031 -0.79

\* Alternate or custom thread forms are available

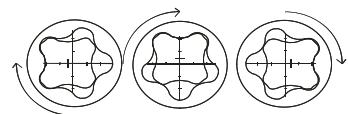


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	4.588 116.54
Standard	4.613 117.17
Nominal Fit at 75 F (25 C)	
Undersize	0.012 0.30
Standard	-0.013 -0.33

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.589 ft-lb/psi 3.262 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	600 (4140 ) 900 (6210 )
Rotation	0.166 Rev/Gal 0.044 Rev/Litre	Max Torque ft-lb (Nm)	9950 (13490 ) 14930 (20240 )
Speed Range	66 to 150 RPM	Stall Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Off Bottom Press	126 psi 870 kPa	Stall Torque ft-lb (Nm)	14930 (20240 ) 22400 (30360 )
		Max Recommended HP(kW)	283 (211) 401 (299)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



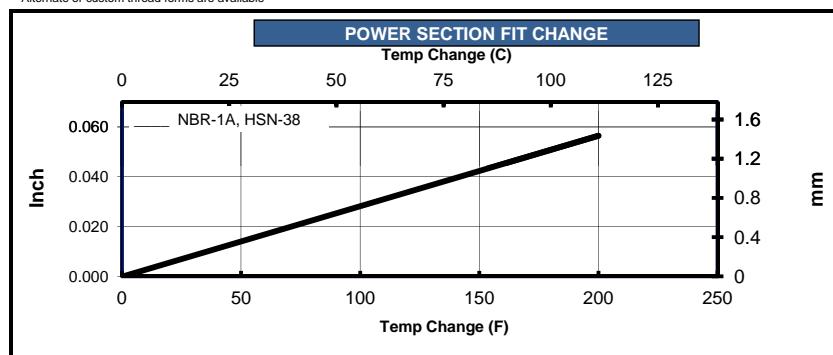
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	223.0	5664
Contour Length	214.0	5436
Eccentricity	0.238	6.05
Major Diameter	5.446	138.33
Head Diameter	4.500	114.30
Weight	1133 (lbs) 513.9 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API REG	

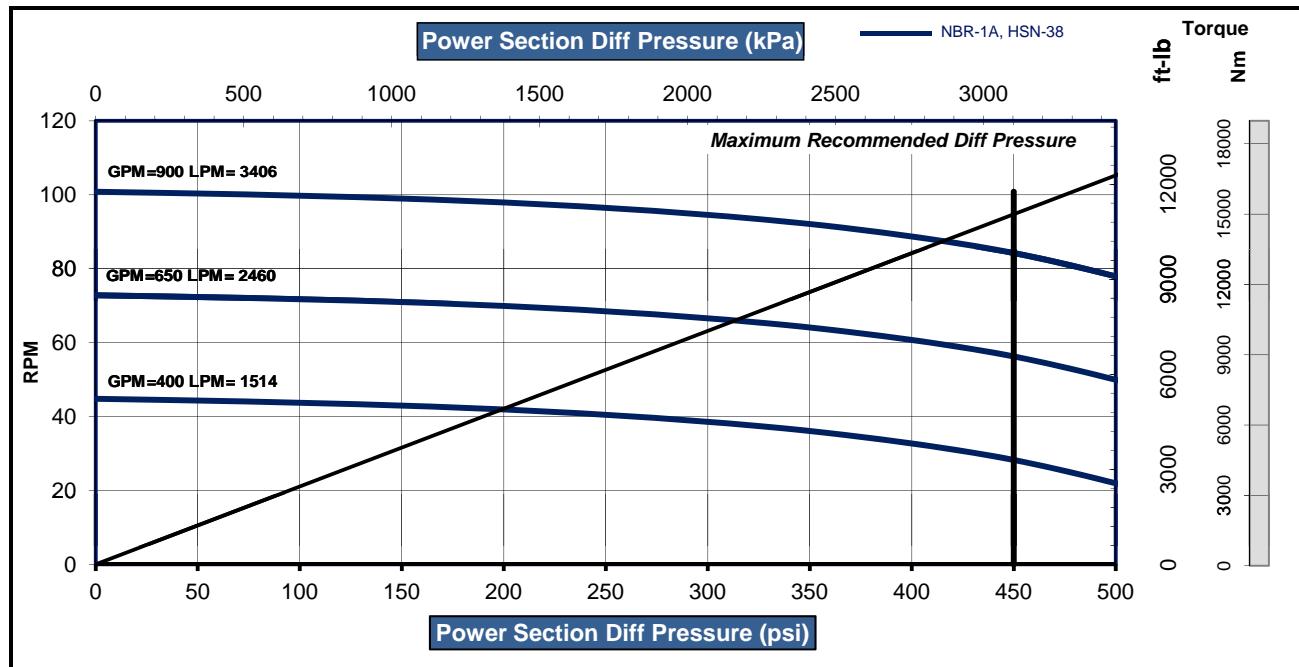
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	234.0	5944
Rubber Cut Back	11.0	279
Tube O.D.	7.75	196.9
Tube I.D.	6.50	165.1
Weight	1043 (lbs) 473 (kg)	
Number of Stages	3.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.970	126.24
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.001	0.03
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	24.556 ft-lb/psi 4.829 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	450 (3100 )
Rotation	0.112 Rev/Gal 0.030 Rev/Litre	Max Torque ft-lb (Nm)	11050 (14980 )
Speed Range	44 to 110 RPM	Stall Diff Press psi (kPa)	680 (4650 )
Off Bottom Press	86 psi 590 kPa	Stall Torque ft-lb (Nm)	16580 (22470 )
		Max Recommended HP(kW)	212 (158)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

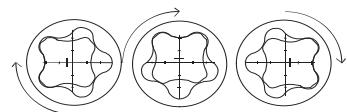
Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel: (403) 206-3052 Fax: (403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD800452.7

8" 4/5 Lobes 2.7 Stages



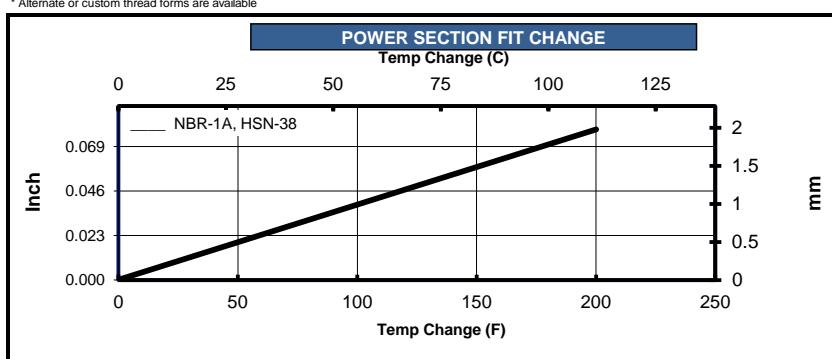
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	121.5	3086
Contour Length	114.0	2896
Eccentricity	0.418	10.62
Major Diameter	5.149	130.78
Head Diameter	4.750	120.70
Weight	400 (lbs) 181.4 (kg)	
Material		17-4SS
Thread Form*	3 1/2 API IF	

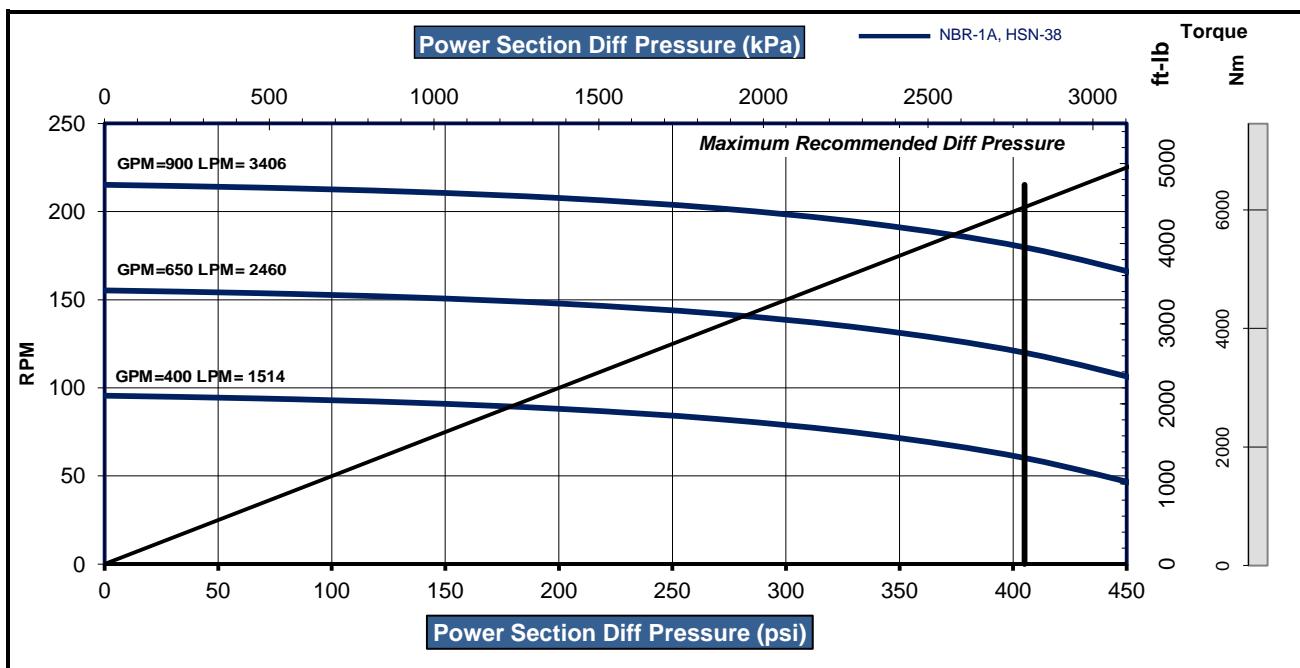
\* Alternate or custom thread forms are available

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	129.5	3289
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.50	165.1
Weight	860 (lbs) 390 (kg)	
Number of Stages	2.7	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
	Inch	mm
Stator Size	4.300	109.22
Standard		
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.015	0.38
Oversize		
Double Oversize		



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	10.998 ft-lb/psi 2.163 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Torque ft-lb (Nm)	410 (2790)
Rotation	0.239 Rev/Gal 0.063 Rev/Litre	Stall Diff Press psi (kPa)	4450 (6040)
Speed Range	95 to 220 RPM	Stall Torque ft-lb (Nm)	610 (4190)
Off Bottom Press	129 psi 890 kPa	Max Recommended HP(kW)	6680 (9060)
			182 (136)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

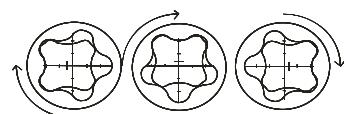
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD800455.3

8" 4/5 Lobes 5.3 Stages



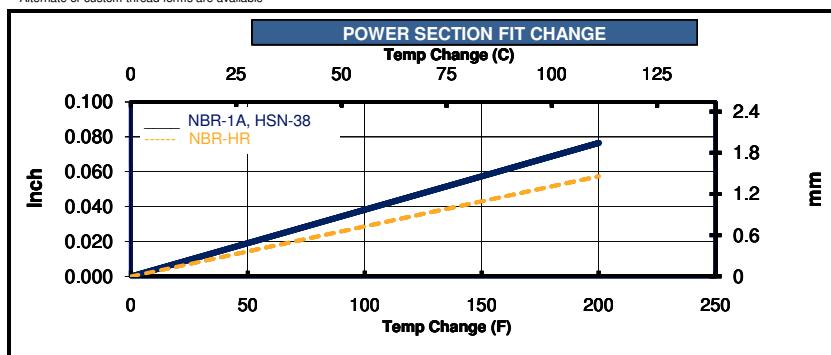
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	221.0	5613
Contour Length	213.0	5410
Eccentricity	0.415	10.54
Major Diameter	4.940	125.48
Head Diameter	4.750	120.70
Weight	765 (lbs) 347 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	228.0	5791
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.25	158.8
Weight	1367 (lbs) 620 (kg)	
Number of Stages	5.30	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

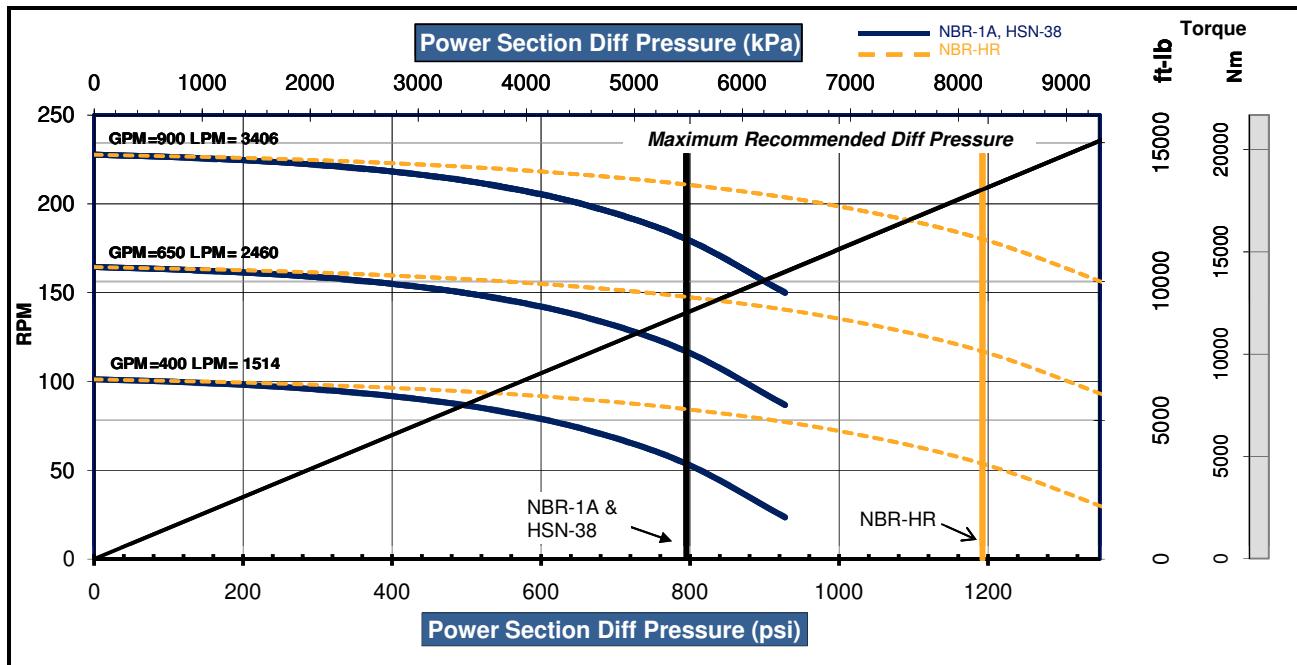
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.085 103.76
Oversize	4.115 104.52
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.025 0.64
Oversize	-0.005 -0.13
Second Oversize	

\* Alternate or custom thread forms are available

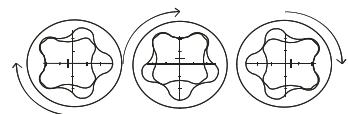


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.097 104.06
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.013 0.33
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	11.164 ft-lb/psi 2.195 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	800 (5480 ) 1190 (8220 )
Rotation	0.253 Rev/Gal 0.067 Rev/Litre	Max Torque ft-lb (Nm)	8880 (12030 ) 13310 (18050 )
Speed Range	101 to 230 RPM	Stall Diff Press psi (kPa)	1190 (8220 ) 1790 (12330 )
Off Bottom Press	180 psi 1240 kPa	Stall Torque ft-lb (Nm)	13310 (18050 ) 19970 (27070 )
		Max Recommended HP(kW)	385 (287) 535 (399)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



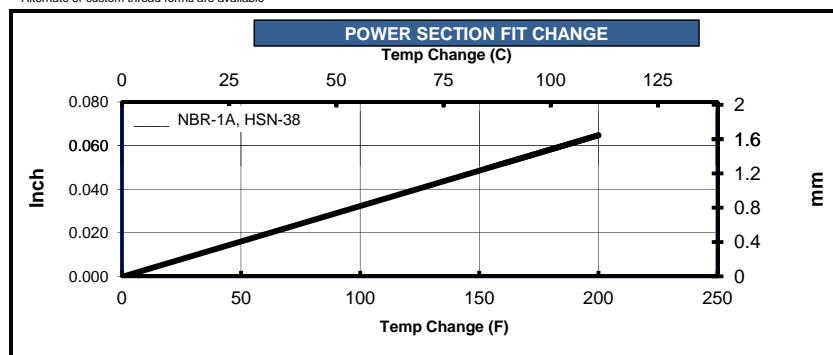
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	252.0	6401
Contour Length	244.5	6210
Eccentricity	0.419	10.64
Major Diameter	5.143	130.63
Head Diameter	5.000	127.00
Weight	850 (lbs) 385.6 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

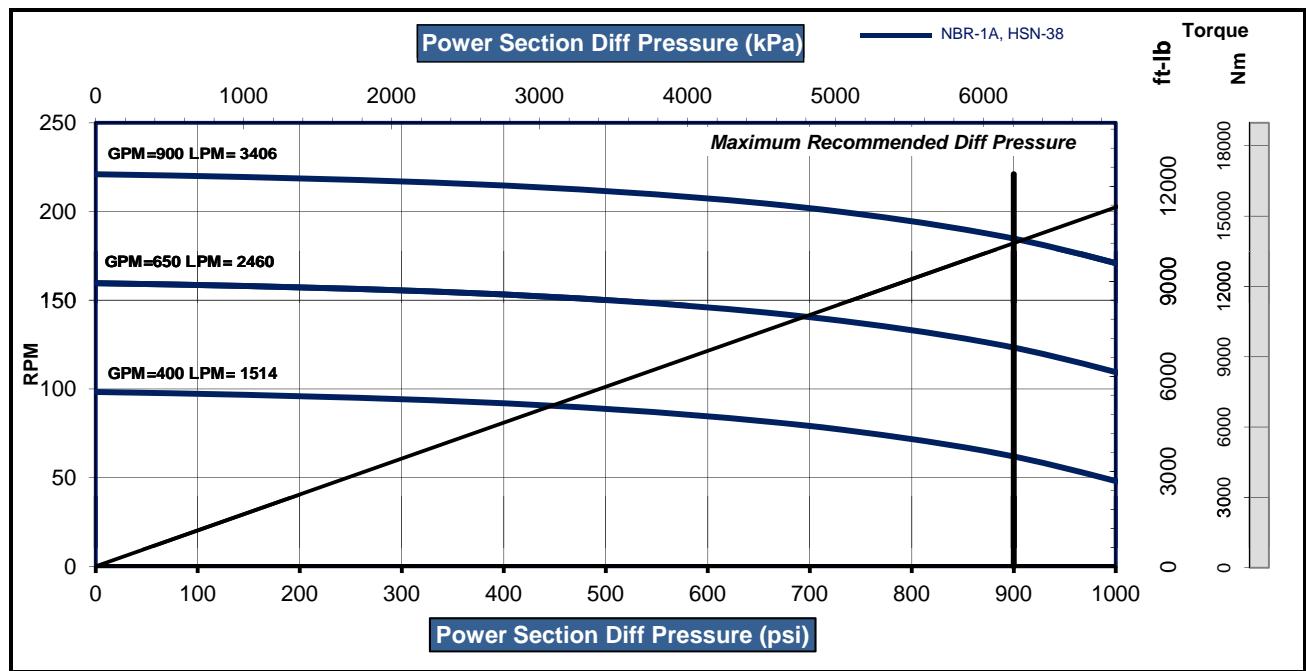
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	260.0	6604
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.25	158.8
Weight	1403 (lbs) 636 (kg)	
Number of Stages	6.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.300	109.22
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.007	0.18
Oversize		
Double Oversize		

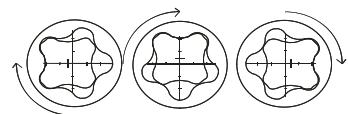
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	11.333 ft-lb/psi 2.229 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	900 (6210)
Rotation	0.246 Rev/Gal 0.065 Rev/Litre	Max Torque ft-lb (Nm)	10200 (13830)
Speed Range	98 to 230 RPM	Stall Diff Press psi (kPa)	1350 (9310)
Off Bottom Press	156 psi 1080 kPa	Stall Torque ft-lb (Nm)	15300 (20750)
		Max Recommended HP(kW)	429 (320)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



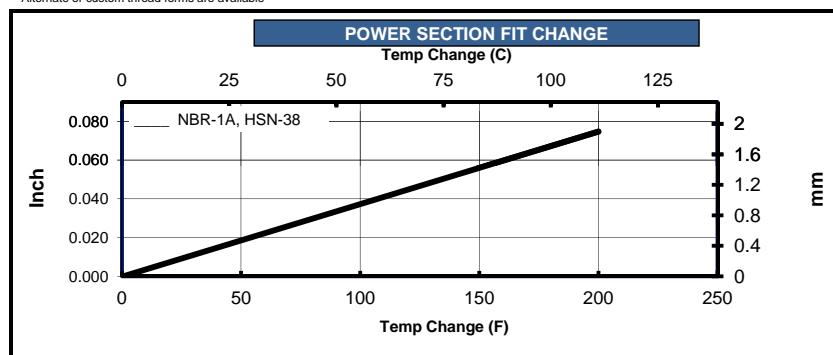
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	223.0	5664
Contour Length	214.0	5436
Eccentricity	0.377	9.58
Major Diameter	5.167	131.24
Head Diameter	4.750	120.70
Weight	800 (lbs) 362.9 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

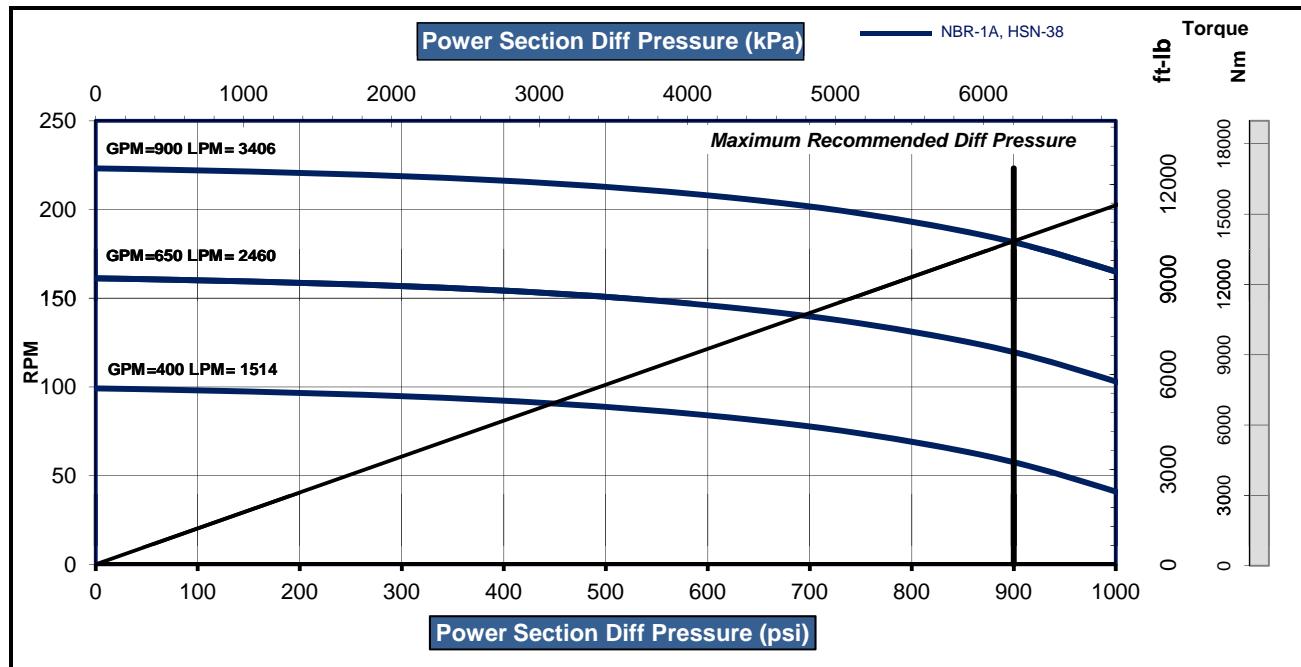
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	234.0	5944
Rubber Cut Back	11.0	279
Tube O.D.	8.00	203.2
Tube I.D.	6.50	165.1
Weight	1290 (lbs) 585 (kg)	
Number of Stages	6.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.445	112.90
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	-0.030	-0.76
Oversize		
Double Oversize		

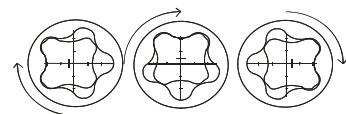
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	11.333 ft-lb/psi 2.229 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	900 (6210 )
Rotation	0.248 Rev/Gal 0.066 Rev/Litre	Max Torque ft-lb (Nm)	10200 (13830 )
Speed Range	99 to 230 RPM	Stall Diff Press psi (kPa)	1350 (9310 )
Off Bottom Press	202 psi 1390 kPa	Stall Torque ft-lb (Nm)	15300 (20750 )
		Max Recommended HP(kW)	433 (323)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



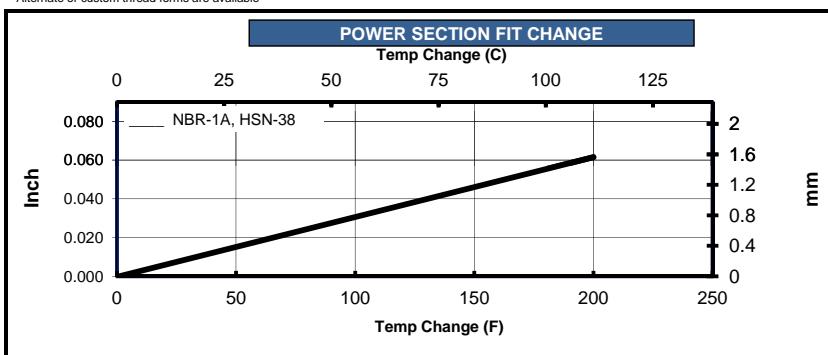
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	246.0	6248
Contour Length	239.0	6071
Eccentricity	0.3	7.62
Major Diameter	5.141	130.58
Head Diameter	4.630	117.60
Weight	1176 (lbs) 533.4 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

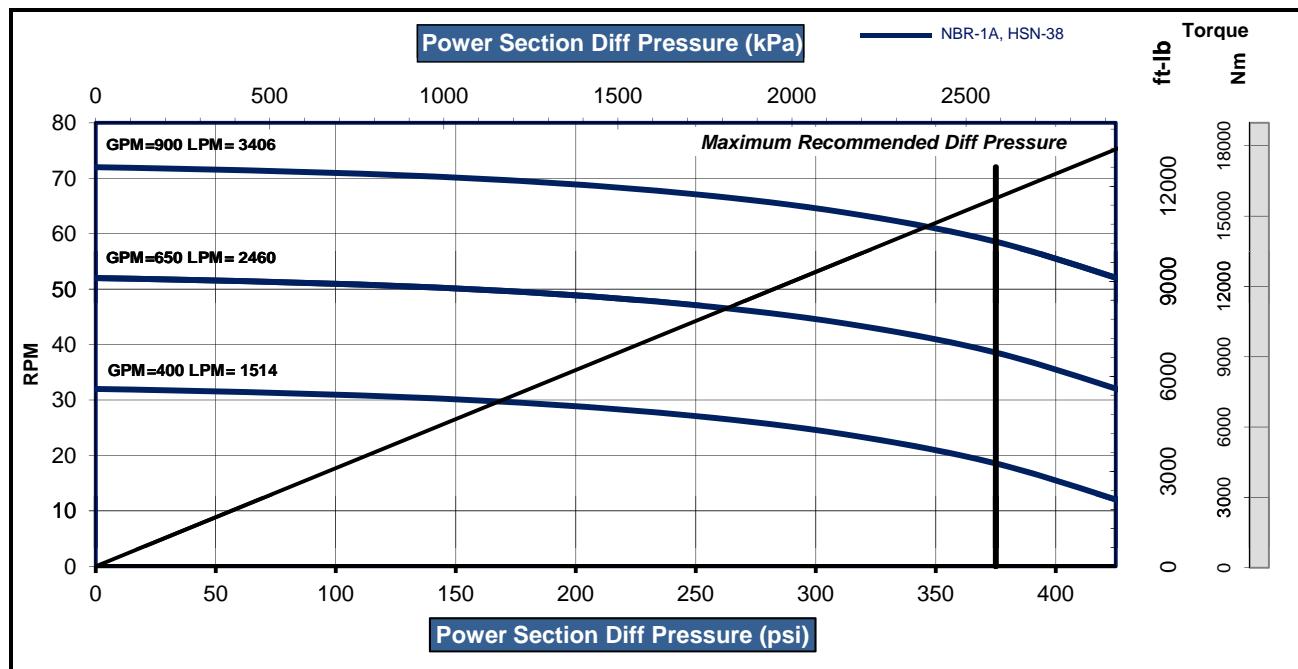
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	254.0	6452
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.25	158.8
Weight	1550 (lbs) 703 (kg)	
Number of Stages	2.5	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.529	115.04
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.013	0.33
Oversize		
Double Oversize		

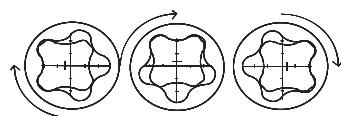
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	30.976 ft-lb/psi 6.091 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	380 (2590 )
Rotation	0.080 Rev/Gal 0.021 Rev/Litre	Max Torque ft-lb (Nm)	11620 (15750 )
Speed Range	32 to 72 RPM	Stall Diff Press psi (kPa)	560 (3880 )
Off Bottom Press	74 psi 510 kPa	Stall Torque ft-lb (Nm)	17420 (23620 )
		Max Recommended HP(kW)	159 (119)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



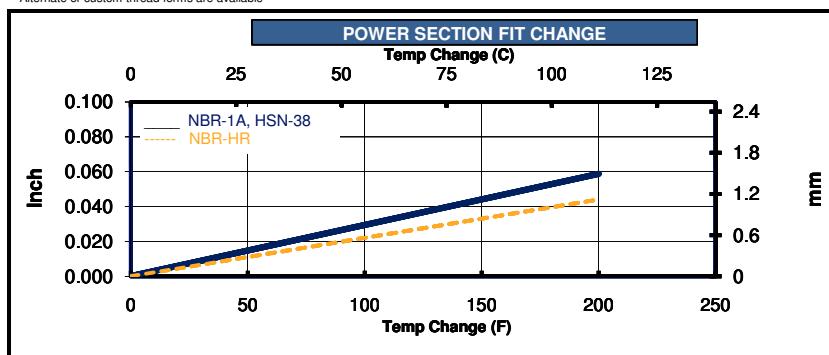
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	153.0	3886
Contour Length	145.0	3683
Eccentricity	0.293	7.44
Major Diameter	5.186	131.72
Head Diameter	4.750	120.70
Weight	693 (lbs) 314.3 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	160.0	4064
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.25	158.8
Alternate Length	168	4267
Weight	977 (lbs) 443 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

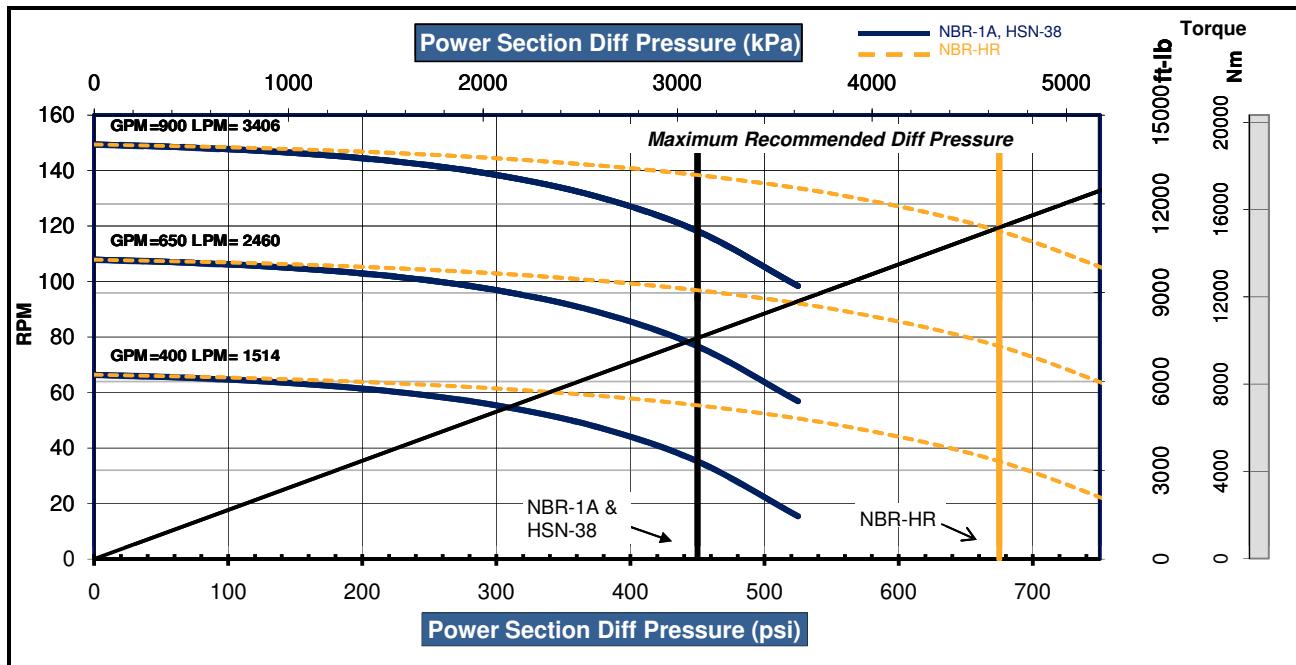
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.581 116.36
Oversize	4.606 116.99
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	-0.006 -0.15
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.588 116.54
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.012 0.30
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	16.589 ft-lb/psi 3.262 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.166 Rev/Gal 0.044 Rev/Litre	Max Torque ft-lb (Nm)	7470 (10120 ) 11200 (15180 )
Speed Range	66 to 150 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	117 psi 810 kPa	Stall Torque ft-lb (Nm)	11200 (15180 ) 16800 (22770 )
		Max Recommended HP(kW)	212 (158) 295 (220)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



[www.dyna-drill.com](http://www.dyna-drill.com)

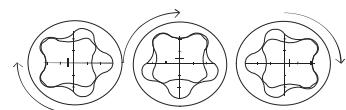
USA: 23400 Colonial Parkway, Katy, TX 77493 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD800783.4 ESX3

8" 7/8 Lobes 3.4 Stages



## POWER SECTION

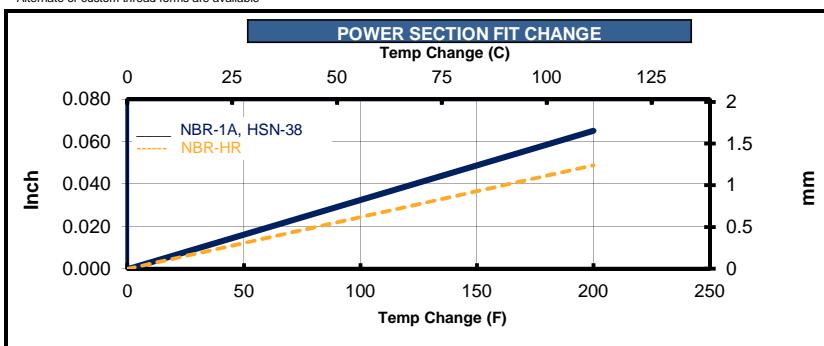
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	293.0	7442
Contour Length	285.0	7239
Eccentricity	0.291	7.38
Major Diameter	5.307	134.80
Head Diameter	4.750	120.70
Weight	1331 (lbs) 603.7 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

\* Alternate or custom thread forms are available

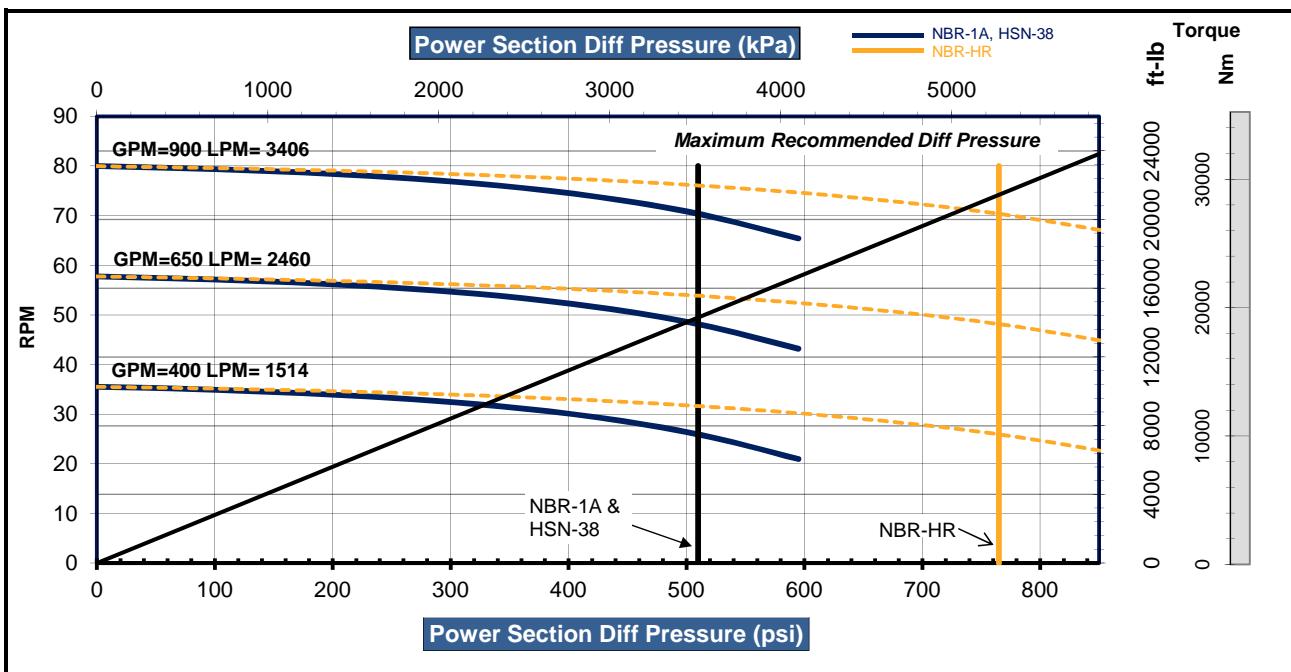
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	300.0	7620
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.50	165.1
Weight	1601 (lbs) 726 (kg)	
Number of Stages	3.4	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.727 120.07
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.001 -0.03
Oversize	
Double Oversize	

FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.731 120.17
Oversize	
Double Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.005 -0.13
Oversize	
Double Oversize	



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	NBR-HR
Torque Slope	28.040 ft-lb/psi 5.514 Nm/kPa	Max Diff Press psi (kPa)	510 (3520 )
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Torque ft-lb (Nm)	14300 (19390 )
Rotation	0.089 Rev/Gal 0.024 Rev/Litre	Stall Diff Press psi (kPa)	770 (5270 )
Speed Range	35 to 81 RPM	Stall Torque ft-lb (Nm)	21450 (29080 )
Off Bottom Press	150 psi 1030 kPa	Max Recommended HP(kW)	218 (163) 311 (232)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill® . All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

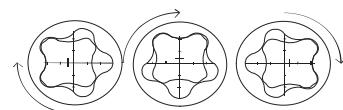
USA: 23400 Colonial Parkway, Katy, TX 77493 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD800784.0

8" 7/8 Lobes 4 Stages



## POWER SECTION

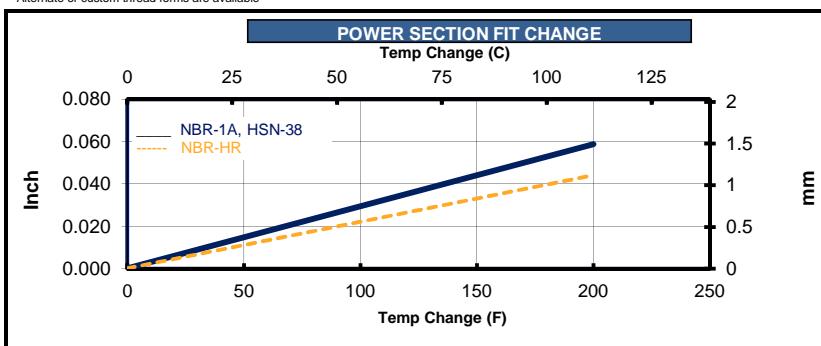
ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	196.3	4985
Contour Length	188.3	4782
Eccentricity	0.293	7.44
Major Diameter	5.186	131.72
Head Diameter	4.750	120.70
Weight	883 (lbs) 400.5 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

\* Alternate or custom thread forms are available

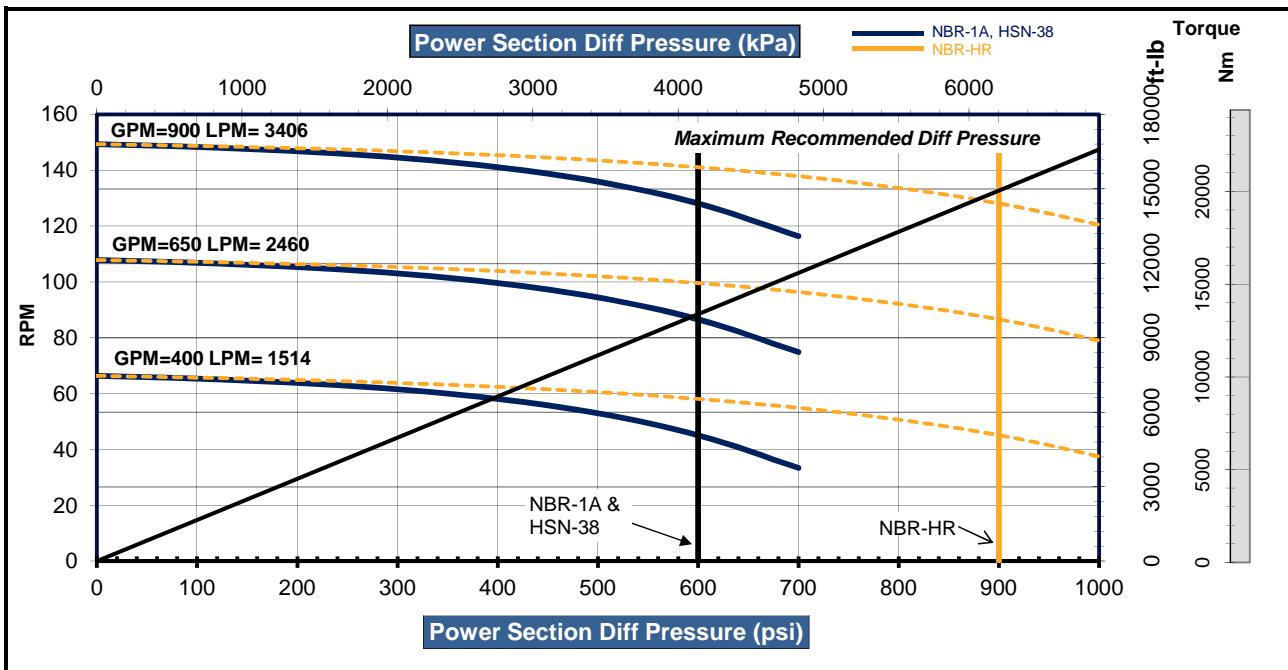
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	203.2	5161
Rubber Cut Back	8.0	203
Tube O.D.	8.00	203.2
Tube I.D.	6.25	158.8
Weight	1253 (lbs) 568 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.581 116.36
Oversize	4.606 116.99
Double Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	-0.006 -0.15
Double Oversize	

FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	4.588 116.54
Oversize	4.613 117.17
Double Oversize	4.623 117.42
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.012 0.30
Oversize	-0.013 -0.33
Double Oversize	-0.023 -0.58



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
		NBR-1A AND HSN-38	NBR-HR
Torque Slope	16.589 ft-lb/psi 3.262 Nm/kPa	Max Diff Press psi (kPa)	600 (4140 )
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Torque ft-lb (Nm)	9950 (13490 )
Rotation	0.166 Rev/Gal 0.044 Rev/Litre	Stall Diff Press psi (kPa)	900 (6210 )
Speed Range	66 to 150 RPM	Stall Torque ft-lb (Nm)	14930 (20240 )
Off Bottom Press	126 psi 870 kPa	Max Recommended HP(kW)	22400 (30360 )
			283 (211) 401 (299)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill® . All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

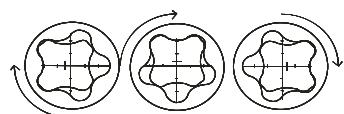
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD8009103.0 ESX

8" 9/10 Lobes 3 Stages



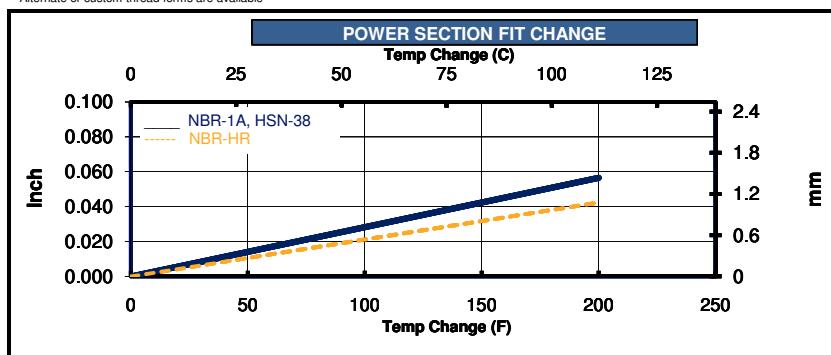
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	223.0	5664
Contour Length	214.0	5436
Eccentricity	0.238	6.05
Major Diameter	5.446	138.33
Head Diameter	4.750	120.70
Weight	1137 (lbs) 515.7 (kg)	
Material	17-4SS	
Thread Form*	3 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	234.0	5944
Rubber Cut Back	11.0	279
Tube O.D.	8.00	203.2
Tube I.D.	6.50	165.1
Weight	1248 (lbs) 566 (kg)	
Number of Stages	3.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

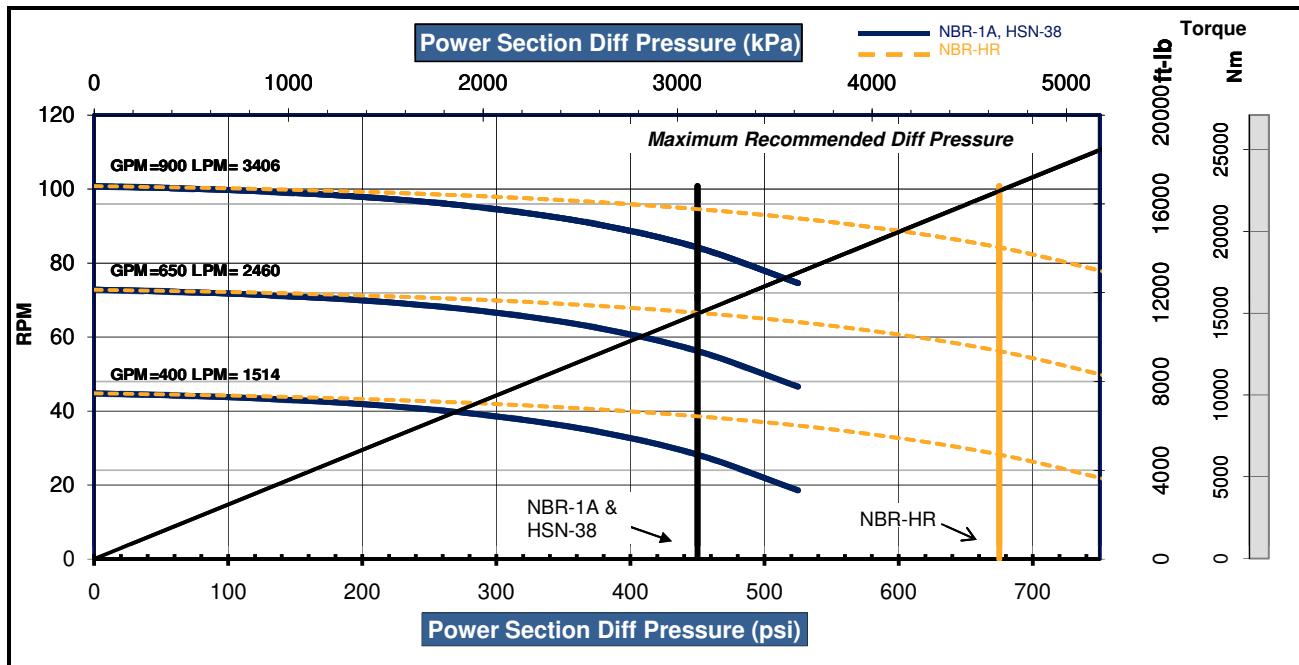
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	4.970 126.24
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.001 0.03
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

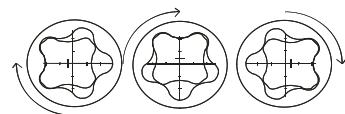


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	4.959 125.96
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.012 0.30
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	24.556 ft-lb/psi 4.829 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	400 to 900 GPM 1510 to 3410 Litre/min	Max Diff Press psi (kPa)	450 (3100 ) 680 (4650 )
Rotation	0.112 Rev/Gal 0.030 Rev/Litre	Max Torque ft-lb (Nm)	11050 (14980 ) 16580 (22470 )
Speed Range	44 to 110 RPM	Stall Diff Press psi (kPa)	680 (4650 ) 1010 (6980 )
Off Bottom Press	86 psi 590 kPa	Stall Torque ft-lb (Nm)	16580 (22470 ) 24860 (33710 )
		Max Recommended HP(kW)	212 (158) 298 (222)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



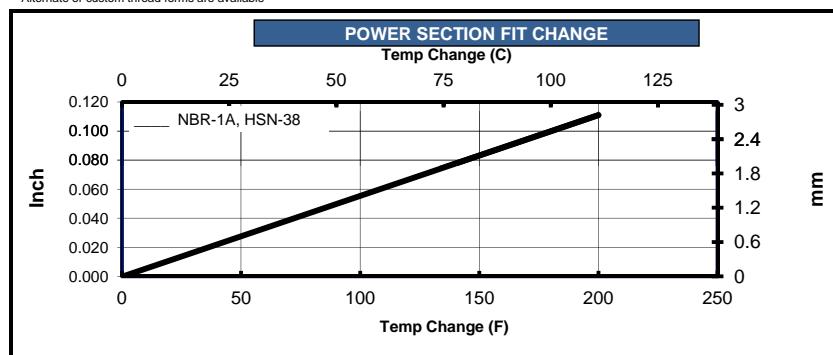
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	219.0	5563
Contour Length	210.6	5350
Eccentricity	0.599	15.21
Major Diameter	5.978	151.84
Head Diameter	5.500	139.70
Weight	1100 (lbs) 499 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

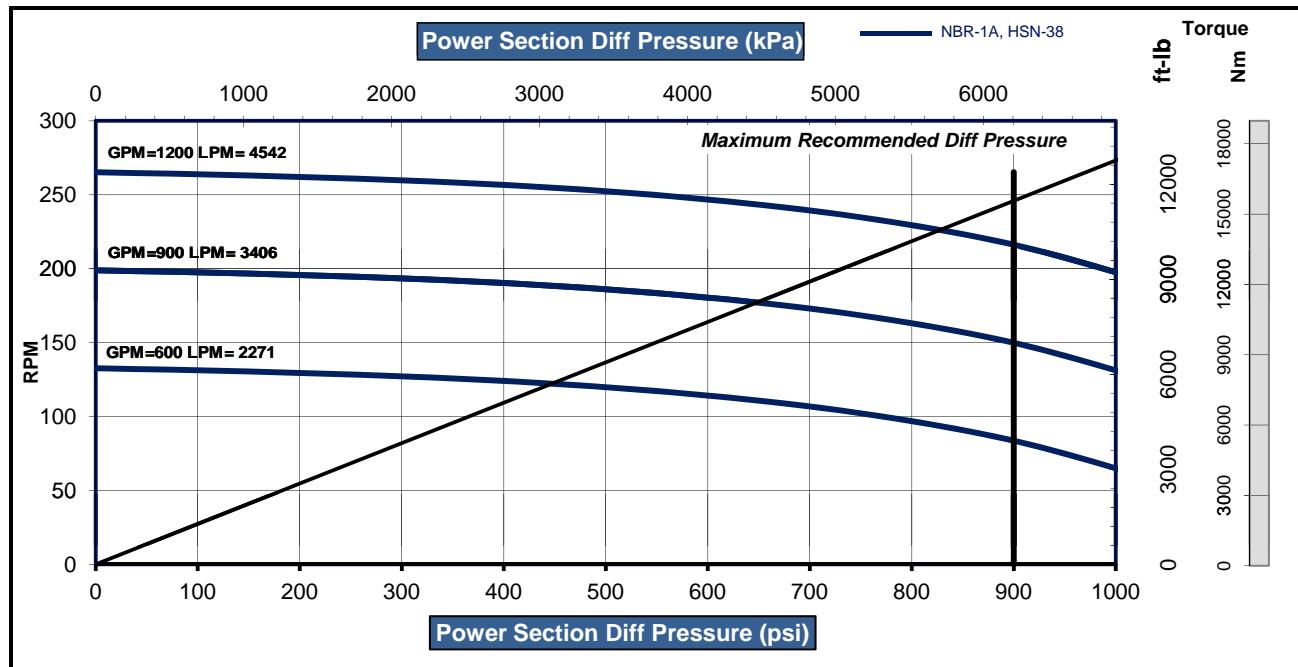
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	228.0	5791
Rubber Cut Back	9.0	229
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	N/A (lbs) N/A (kg)	
Number of Stages	6.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	4.767	121.08
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.013	0.33
Oversize		
Double Oversize		

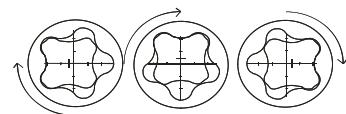
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	12.750 ft-lb/psi 2.507 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	600 to 1200 GPM 2270 to 4540 Litre/min	Max Diff Press psi (kPa)	900 (6210 )
Rotation	0.221 Rev/Gal 0.058 Rev/Litre	Max Torque ft-lb (Nm)	11480 (15560 )
Speed Range	132 to 270 RPM	Stall Diff Press psi (kPa)	1350 (9310 )
Off Bottom Press	210 psi 1450 kPa	Stall Torque ft-lb (Nm)	17210 (23330 )
		Max Recommended HP(kW)	579 (432)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



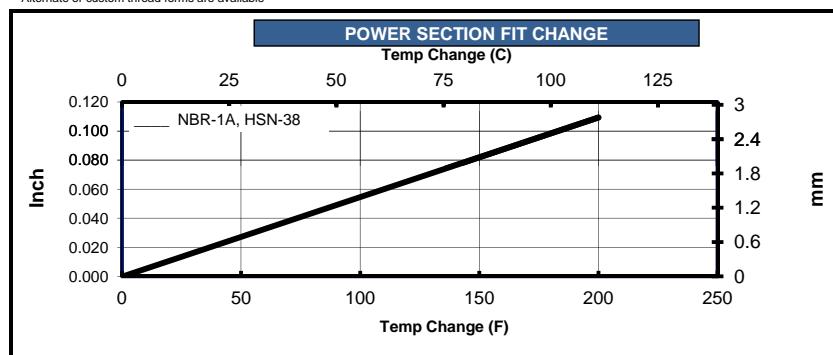
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	156.0	3962
Contour Length	150.0	3810
Eccentricity	0.425	10.8
Major Diameter	5.995	152.27
Head Diameter	5.500	139.70
Weight	875 (lbs) 396.9 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

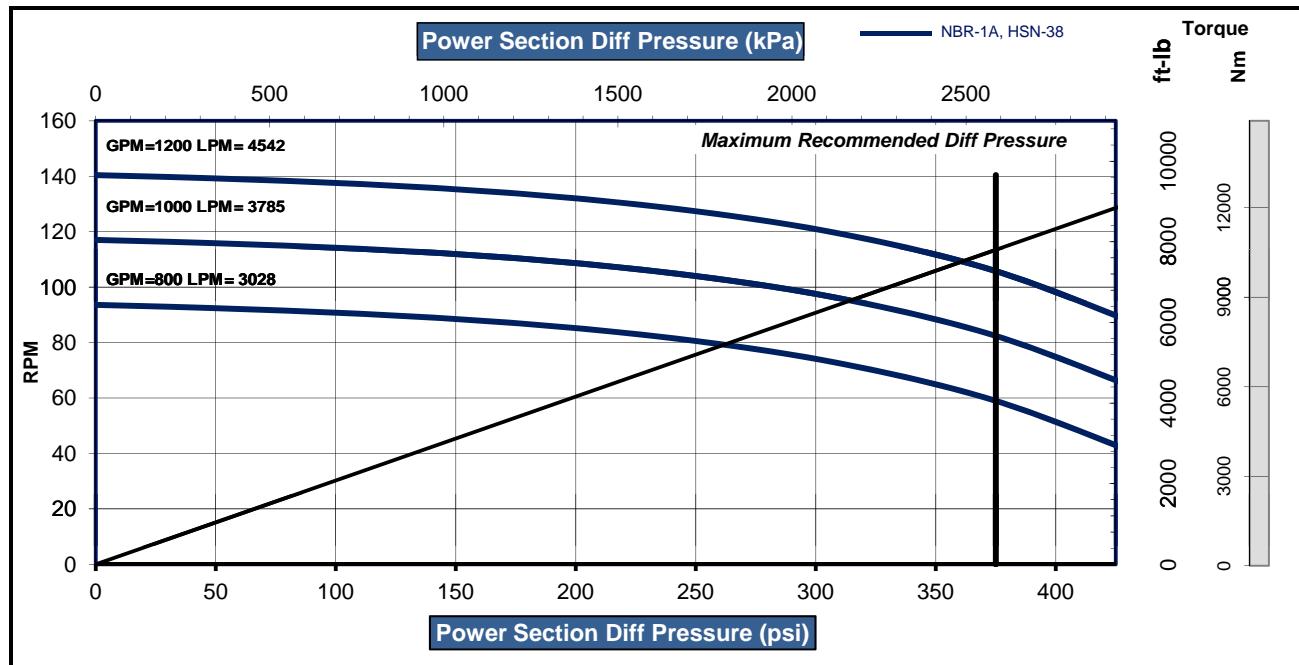
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	164.0	4166
Rubber Cut Back	8.0	203
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	1230 (lbs) 558 (kg)	
Number of Stages	2.5	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	5.110	129.79
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.035	0.89
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	20.800 ft-lb/psi 4.090 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	800 to 1200 GPM 3030 to 4540 Litre/min	Max Diff Press psi (kPa)	380 (2590)
Rotation	0.117 Rev/Gal 0.031 Rev/Litre	Max Torque ft-lb (Nm)	7800 (10570)
Speed Range	93 to 150 RPM	Stall Diff Press psi (kPa)	560 (3880)
Off Bottom Press	181 psi 1250 kPa	Stall Torque ft-lb (Nm)	11700 (15860)
		Max Recommended HP(kW)	209 (156)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

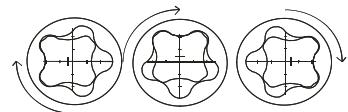
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100313, Fax: 011-971-4-8100313

Model No: DD962563.0

9.625" 5/6 Lobes 3 Stages



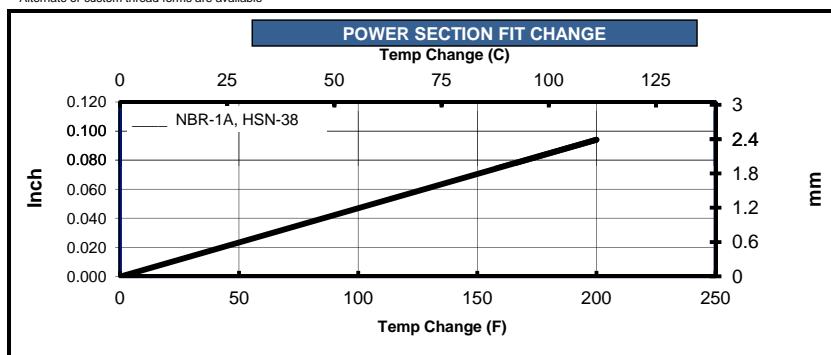
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	167.0	4242
Contour Length	158.6	4029
Eccentricity	0.449	11.4
Major Diameter	6.236	158.39
Head Diameter	5.500	139.70
Weight	935 (lbs) 424.1 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

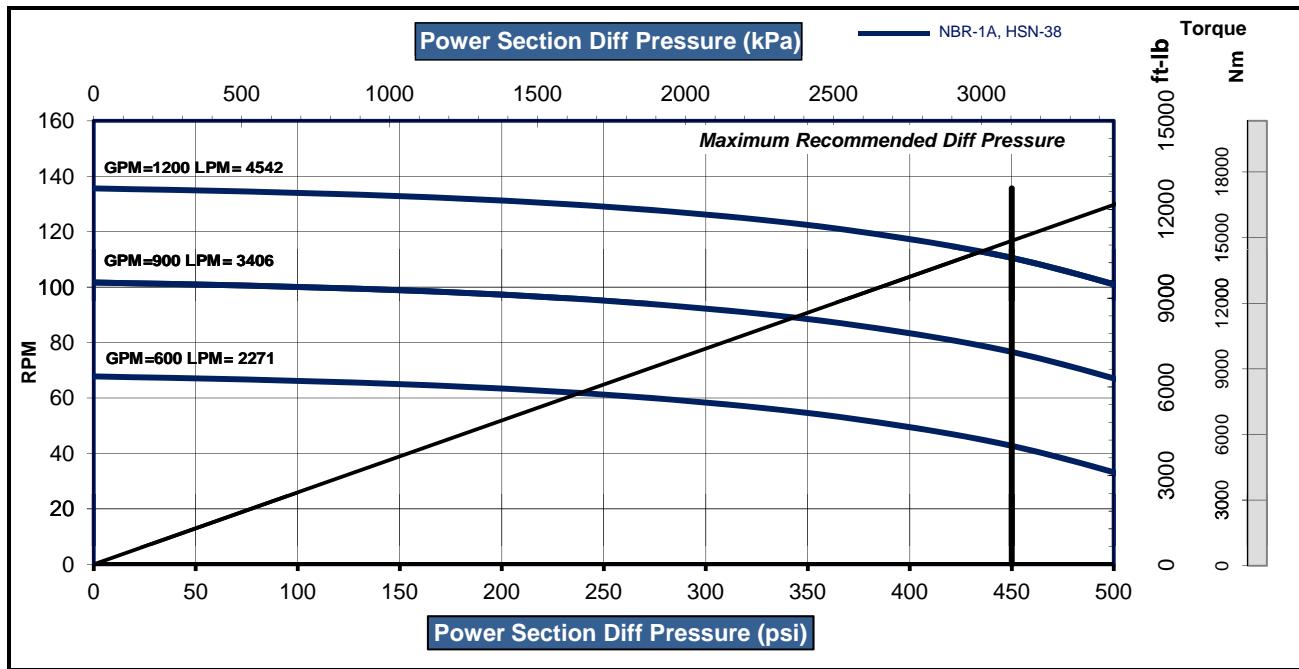
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	178.0	4521
Rubber Cut Back	10.0	254
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	1334 (lbs) 605 (kg)	
Number of Stages	3.0	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	5.308	134.82
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.030	0.76
Oversize		
Double Oversize		

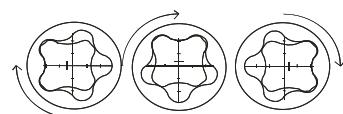
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	24.320 ft-lb/psi 4.782 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	600 to 1200 GPM 2270 to 4540 Litre/min	Max Diff Press psi (kPa)	450 (3100 )
Rotation	0.113 Rev/Gal 0.030 Rev/Litre	Max Torque ft-lb (Nm)	10940 (14840 )
Speed Range	67 to 140 RPM	Stall Diff Press psi (kPa)	680 (4650 )
Off Bottom Press	154 psi 1060 kPa	Stall Torque ft-lb (Nm)	16420 (22260 )
		Max Recommended HP(kW)	283 (211)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



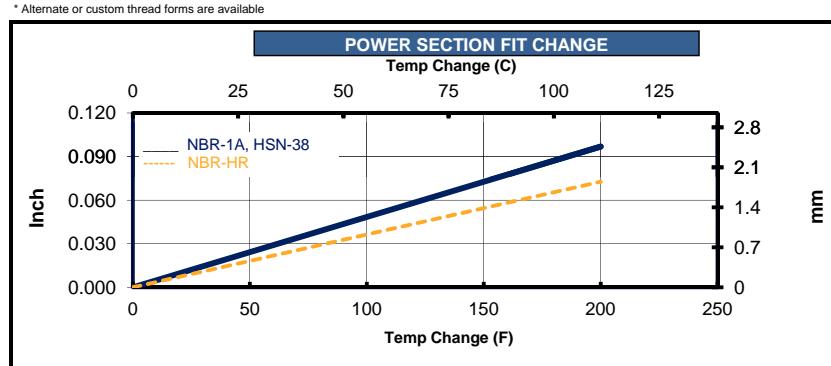
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	218.0	5537
Contour Length	210.0	5334
Eccentricity	0.45	11.43
Major Diameter	6.241	158.52
Head Diameter	5.500	139.70
Weight	1100 (lbs) 499 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

\* Alternate or custom thread forms are available.

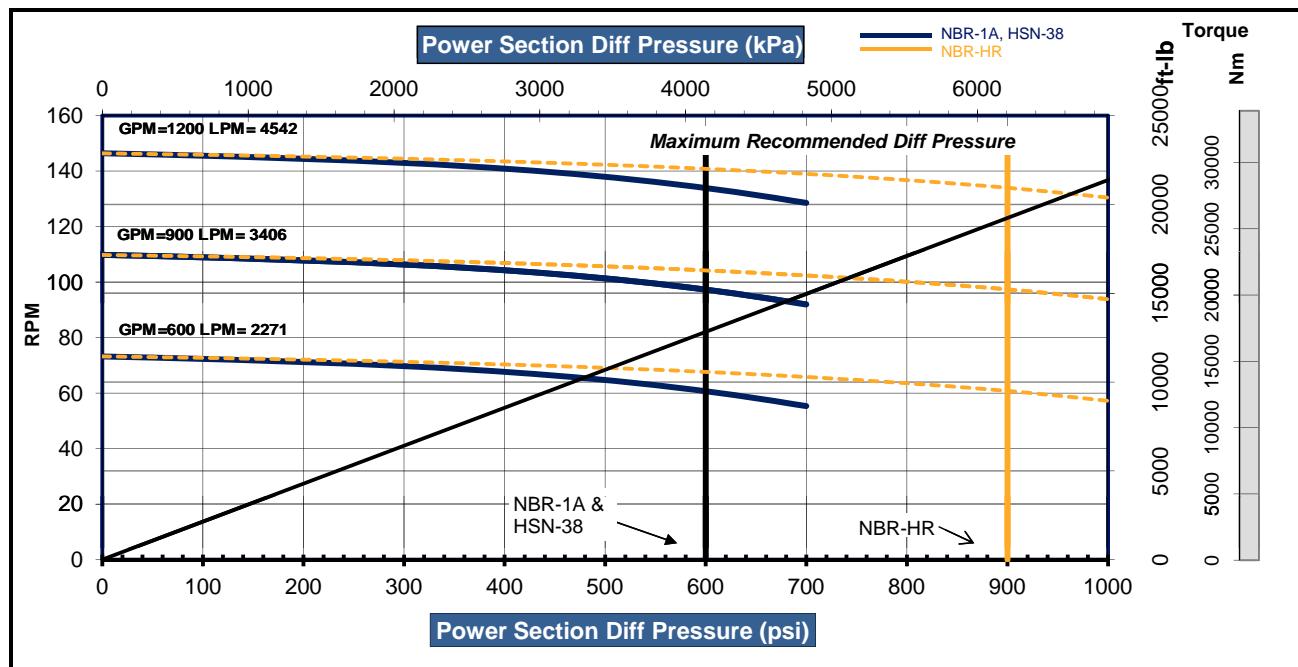
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	230.0	5842
Rubber Cut Back	10.0	254
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Alternate Length	122	3099
Weight	1743 (lbs) 791 (kg)	
Number of Stages	4.0	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	5.246 133.25
Oversize	5.341 135.66
Second Oversize	5.367 136.32
Nominal Fit at 75 F (25 C)	
Standard	0.096 2.44
Oversize	0.001 0.03
Second Oversize	-0.025 -0.64



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	5.321 135.15
Oversize	5.334 135.48
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.021 0.53
Oversize	0.008 0.20

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	21.373 ft-lb/psi 4.203 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	600 to 1200 GPM 2270 to 4540 Litre/min	Max Diff Press psi (kPa)	600 (4140 ) 900 (6210 )
Rotation	0.122 Rev/Gal 0.032 Rev/Litre	Max Torque ft-lb (Nm)	12820 (17390 ) 19240 (26080 )
Speed Range	73 to 150 RPM	Stall Diff Press psi (kPa)	900 (6210 ) 1350 (9310 )
Off Bottom Press	540 psi 3720 kPa	Stall Torque ft-lb (Nm)	19240 (26080 ) 28850 (39120 )
		Max Recommended HP(kW)	357 (267) 516 (385)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

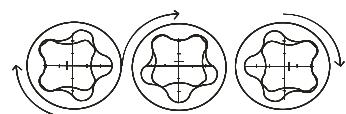
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD962565.0 MX

9.625" 5/6 Lobes 5 Stages



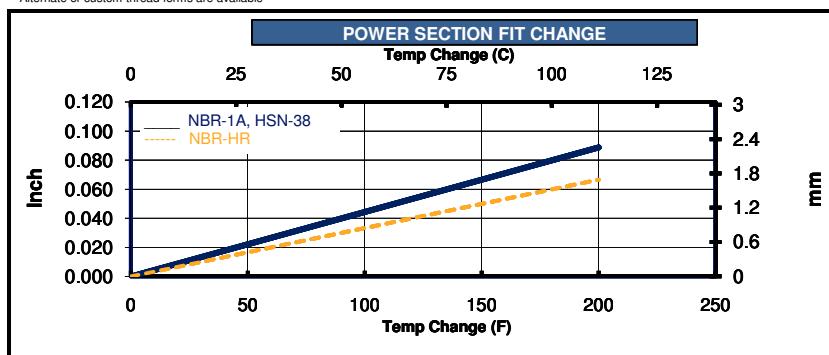
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	222.0	5639
Contour Length	213.0	5410
Eccentricity	0.472	11.99
Major Diameter	6.296	159.92
Head Diameter	5.500	139.70
Weight	1185 (lbs) 537.5 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	232.0	5893
Rubber Cut Back	10.0	254
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	1797 (lbs) 815 (kg)	
Number of Stages	5.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

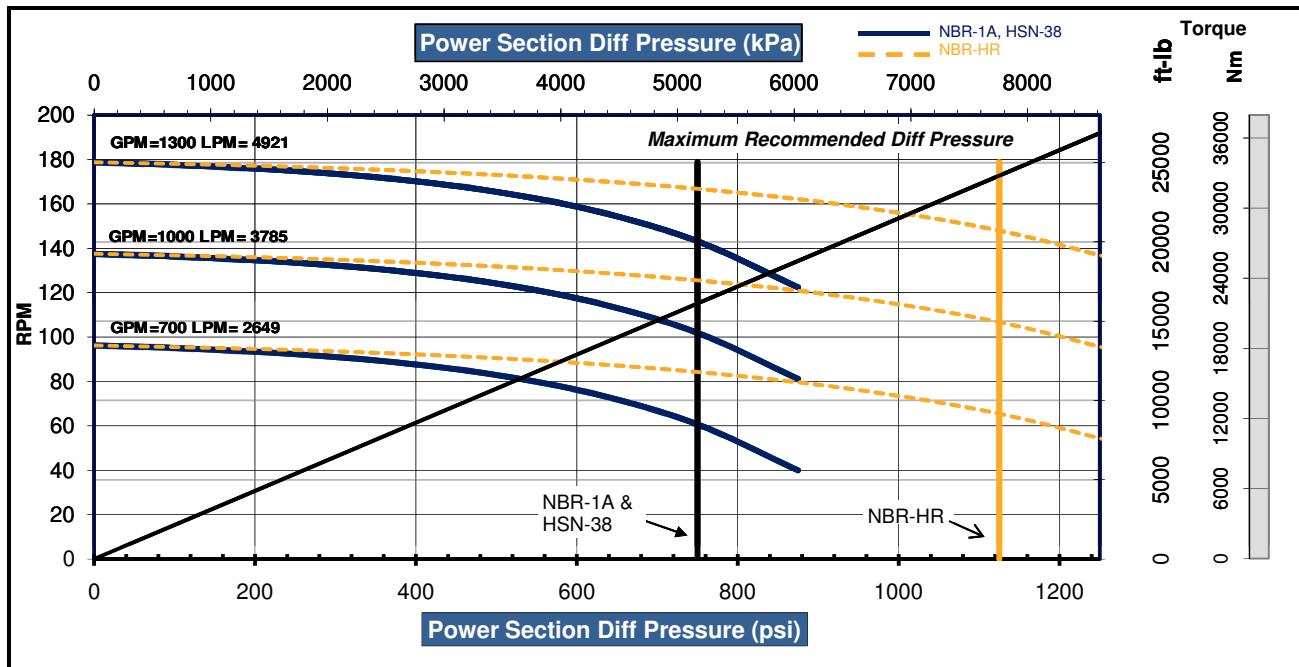
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	5.375 136.53
Oversize	5.412 137.46
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.023 -0.58
Oversize	-0.060 -1.52
Second Oversize	

\* Alternate or custom thread forms are available

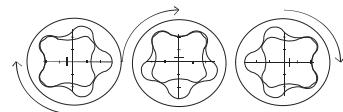


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	5.402 137.21
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.050 -1.27
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	21.487 ft-lb/psi 4.225 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	700 to 1300 GPM 2650 to 4920 Litre/min	Max Diff Press psi (kPa)	750 (5170 ) 1130 (7760 )
Rotation	0.138 Rev/Gal 0.036 Rev/Litre	Max Torque ft-lb (Nm)	16120 (21850 ) 24170 (32770 )
Speed Range	96 to 180 RPM	Stall Diff Press psi (kPa)	1130 (7760 ) 1690 (11630 )
Off Bottom Press	197 psi 1360 kPa	Stall Torque ft-lb (Nm)	24170 (32770 ) 36260 (49160 )
		Max Recommended HP(kW)	548 (409) 768 (573)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



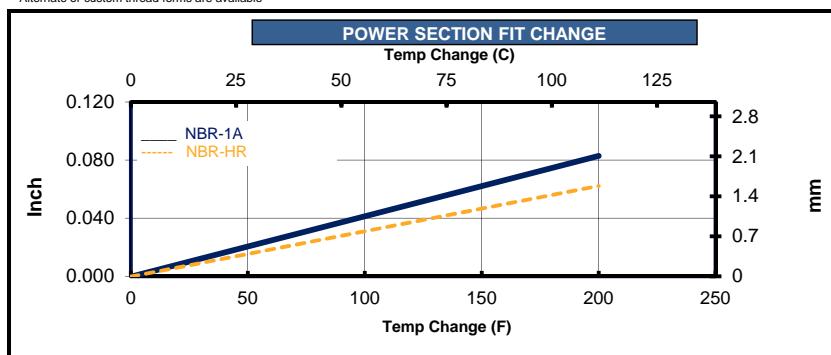
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	202.0	5131
Contour Length	194.4	4937
Eccentricity	0.428	10.87
Major Diameter	6.405	162.69
Head Diameter	5.500	139.70
Weight	1127 (lbs) 511.2 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

\* Alternate or custom thread forms are available.

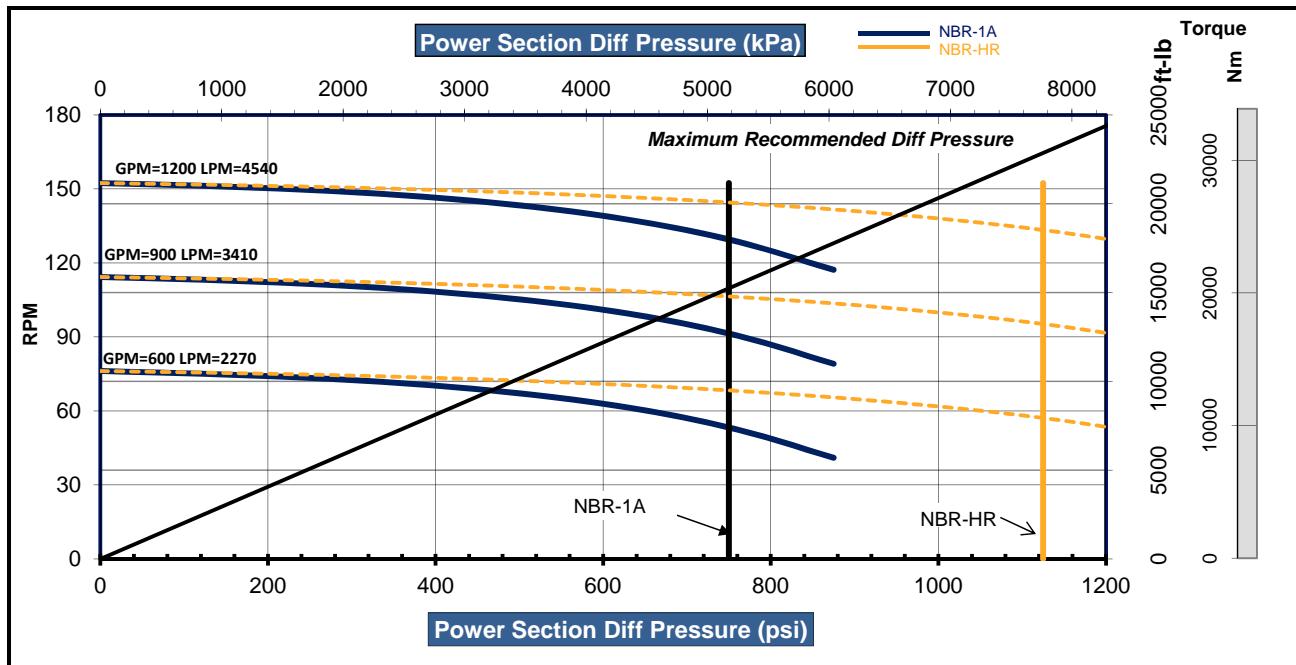
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	218.0	5537
Rubber Cut Back	11.8	300
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	1682 (lbs) 763 (kg)	
Number of Stages	5.0	
Rubber Type	NBR-1A, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	5.530 140.46
Oversize	5.549 140.94
Double Oversize	5.567 141.40
Nominal Fit at 75 F (25 C)	
Standard	0.019 0.48
Oversize	0.000 0.00
Double Oversize	-0.018 -0.46

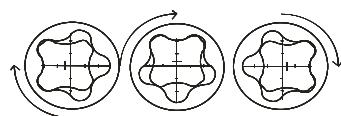


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	5.531 140.49
Oversize	5.549 140.94
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.018 0.46
Oversize	0.000 0.00

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	20.305 ft-lb/psi 3.993 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A NBR-HR
Flow Range	600 to 1200 GPM 2270 to 4540 Litre/min	Max Torque ft-lb (Nm)	750 (5170 ) 1130 (7760 )
Rotation	0.127 Rev/Gal 0.034 Rev/Litre	Stall Diff Press psi (kPa)	15230 (20650 ) 22840 (30970 )
Speed Range	76 to 160 RPM	Stall Torque ft-lb (Nm)	1130 (7760 ) 1690 (11630 )
Off Bottom Press	163 psi 1120 kPa	Max Recommended HP(kW)	22840 (30970 ) 34260 (46460 )
			442 (330) 629 (469)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2013 Dyna-Drill® Technologies, Inc. All rights reserved.



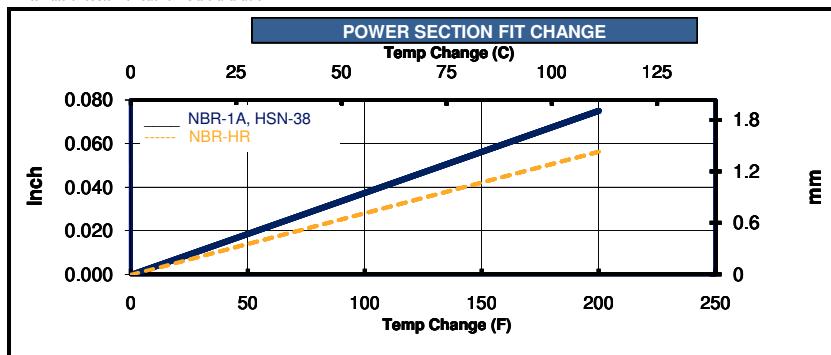
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	290.0	7366
Contour Length	281.0	7137
Eccentricity	0.368	9.35
Major Diameter	6.515	165.48
Head Diameter	5.500	139.70
Weight	1905 (lbs) 864.1 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	300.0	7620
Rubber Cut Back	10.0	254
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	2234 (lbs) 1013 (kg)	
Number of Stages	3.90	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

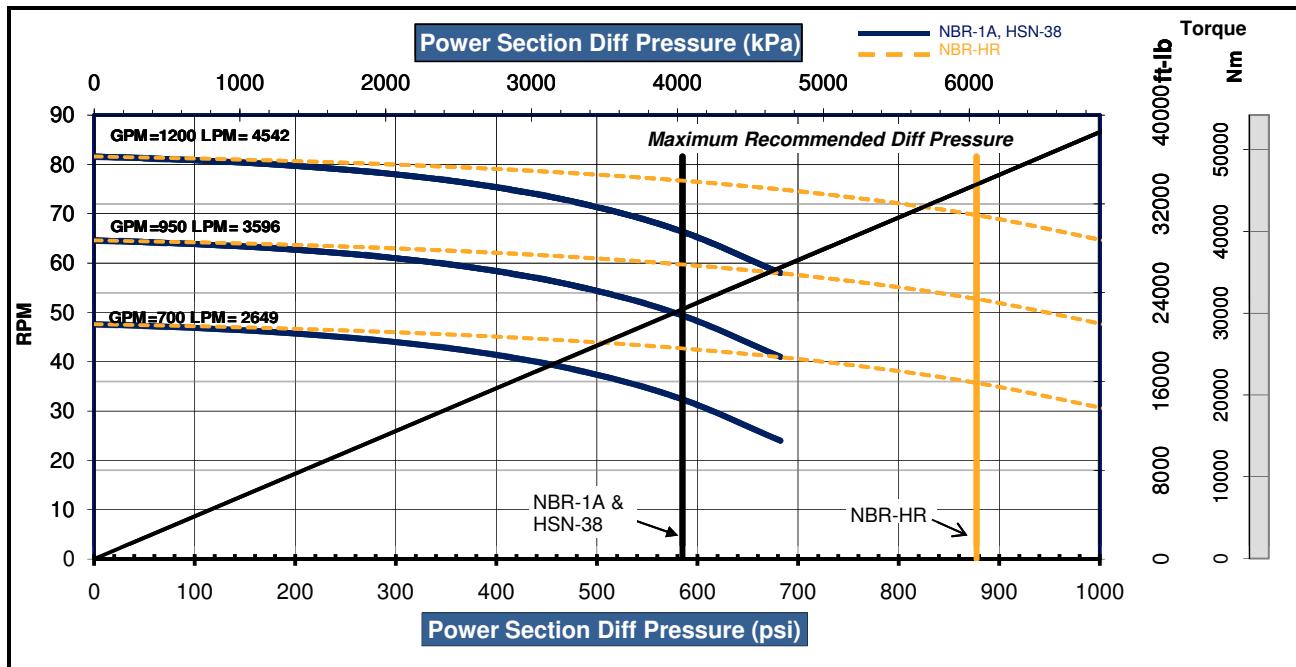
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	5.776 146.71
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.002 0.05
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	5.747 145.97
Standard	
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	0.031 0.79
Standard	
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	38.462 ft-lb/psi 7.563 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	700 to 1200 GPM 2650 to 4540 Litre/min	Max Diff Press psi (kPa)	590 (4030)
Rotation	0.068 Rev/Gal 0.018 Rev/Litre	Max Torque ft-lb (Nm)	22500 (30500)
Speed Range	47 to 82 RPM	Stall Diff Press psi (kPa)	880 (6050)
Off Bottom Press	105 psi 720 kPa	Stall Torque ft-lb (Nm)	33750 (45760)
		Max Recommended HP(kW)	350 (261)
			493 (368)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

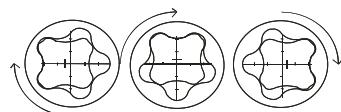
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD962784.8

9.625" 7/8 Lobes 4.8 Stages



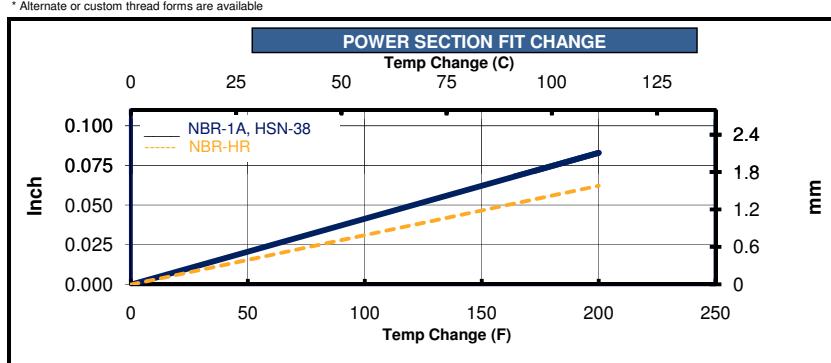
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	234.5	5956
Contour Length	226.5	5753
Eccentricity	0.355	9.02
Major Diameter	6.374	161.90
Head Diameter	6.000	152.40
Weight	1529 (lbs) 693.6 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

\* Alternate or custom thread forms are available

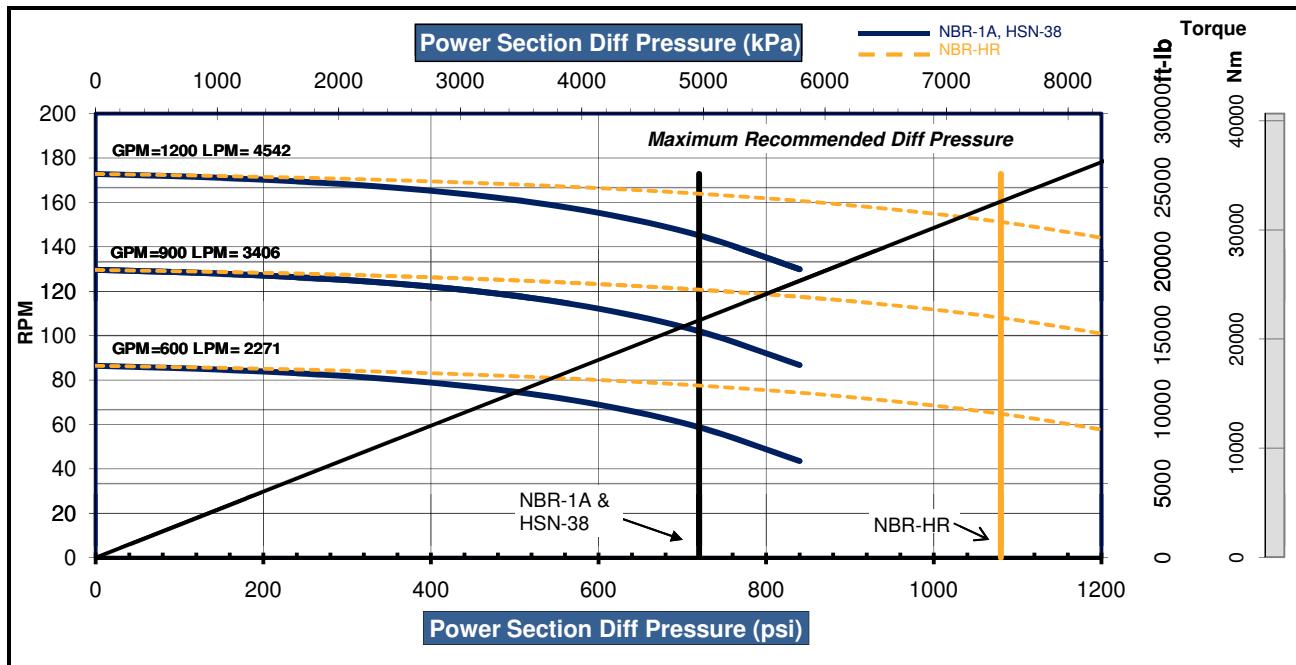
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	246.5	6261
Rubber Cut Back	10.0	254
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	1687 (lbs) 765 (kg)	
Number of Stages	4.80	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	5.652 143.56
Oversize	5.663 143.84
Second Oversize	5.675 144.15
Nominal Fit at 75 F (25 C)	
Standard	0.011 0.28
Oversize	0.000 0.00
Second Oversize	-0.012 -0.30



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	5.647 143.43
Standard	5.647 143.43
Oversize	5.659 143.74
Nominal Fit at 75 F (25 C)	
Undersize	0.016 0.41
Standard	0.004 0.10

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	22.268 ft-lb/psi 4.379 Nm/kPa	NBR-1A AND HSN-38	NBR-HR
Flow Range	600 to 1200 GPM 2270 to 4540 Litre/min	Max Diff Press psi (kPa)	720 (4960)
Rotation	0.144 Rev/Gal 0.038 Rev/Litre	Max Torque ft-lb (Nm)	16030 (21740)
Speed Range	86 to 180 RPM	Stall Diff Press psi (kPa)	1080 (7450)
Off Bottom Press	160 psi 1100 kPa	Stall Torque ft-lb (Nm)	24050 (32610)
		Max Recommended HP(kW)	528 (394)
			750 (560)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

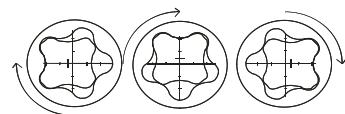
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel:(780) 955-7711, Fax: (780) 955-7833

Canada: 2900, 350-7th Avenue, Calgary, Alberta T2P-3N9 Tel:(403) 206-3052 Fax:(403) 206-3053

Dubai: Oilfields Supply Center, Building B-30, P.O. Box 261039, Dubai, UEA, Tel: 011-971-4-8100313, Fax: 011-971-4-8100313

Model No: DD962786.5 SX3

9.625" 7/8 Lobes 6.5 Stages



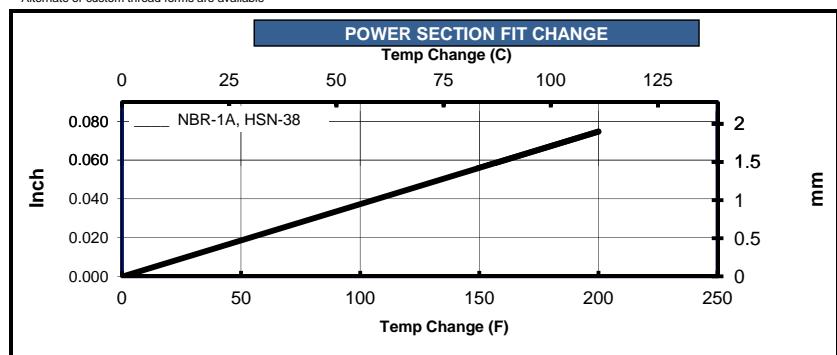
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	290.0	7366
Contour Length	281.0	7137
Eccentricity	0.369	9.37
Major Diameter	6.511	165.38
Head Diameter	5.500	139.70
Weight	1905 (lbs) 864.1 (kg)	
Material	17-4SS	
Thread Form*	4 API FH	

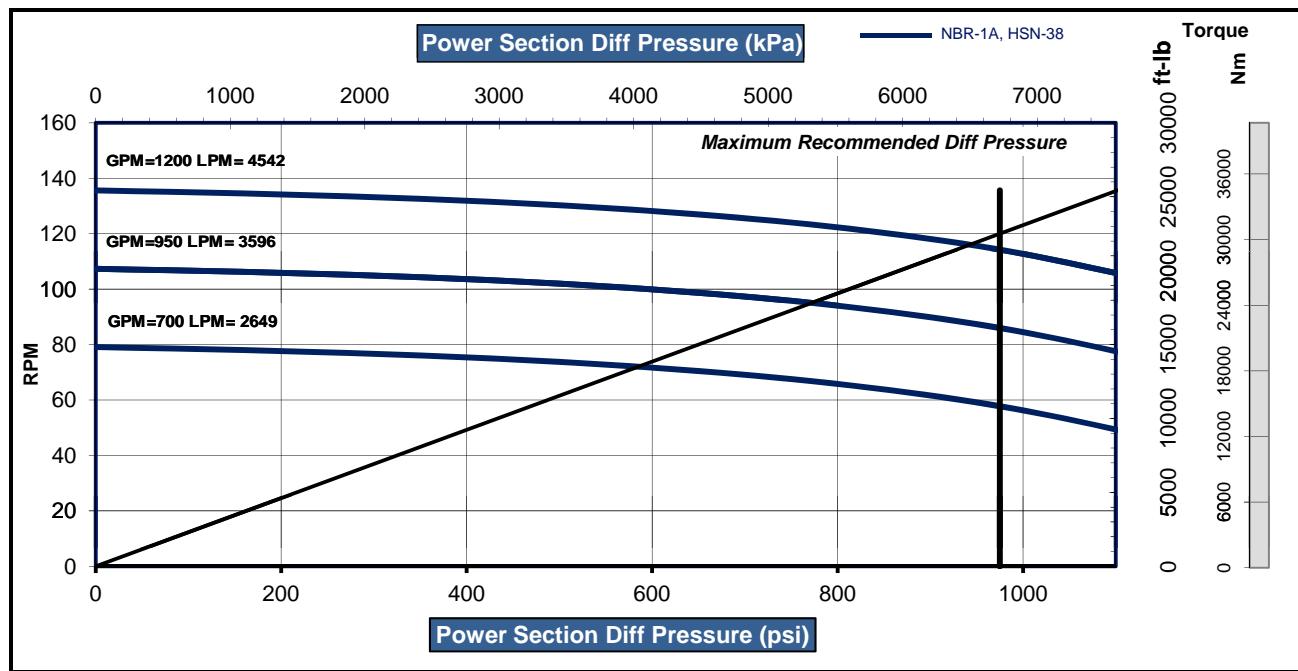
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	300.0	7620
Rubber Cut Back	10.0	254
Tube O.D.	9.63	244.5
Tube I.D.	7.88	200.0
Weight	2234 (lbs) 1013 (kg)	
Number of Stages	6.5	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	5.770	146.56
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.002	0.05
Oversize		
Double Oversize		

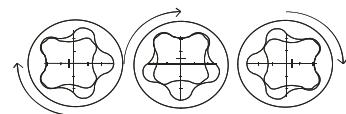
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	23.077 ft-lb/psi 4.538 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	700 to 1200 GPM 2650 to 4540 Litre/min	Max Diff Press psi (kPa)	980 (6720 )
Rotation	0.113 Rev/Gal 0.030 Rev/Litre	Max Torque ft-lb (Nm)	22500 (30510 )
Speed Range	79 to 140 RPM	Stall Diff Press psi (kPa)	1460 (10080 )
Off Bottom Press	160 psi 1100 kPa	Stall Torque ft-lb (Nm)	33750 (45760 )
		Max Recommended HP(kW)	581 (433)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



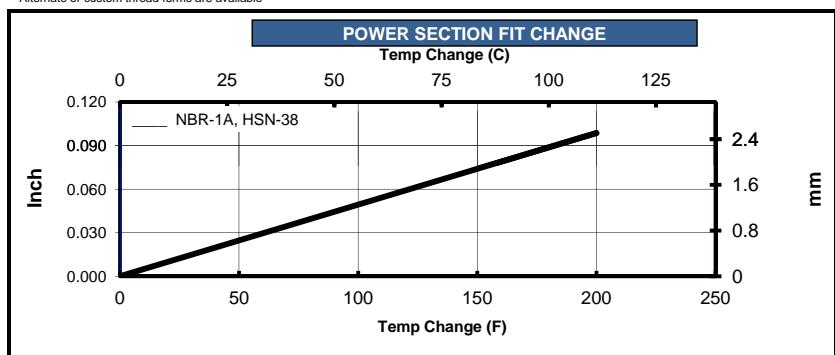
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	219.5	5575
Contour Length	210.5	5347
Eccentricity	0.538	13.67
Major Diameter	7.498	190.45
Head Diameter	6.500	165.10
Weight	1965 (lbs) 891.3 (kg)	
Material	17-4SS	
Thread Form*	4 1/2 API REG OR 4 1/2 API IF	

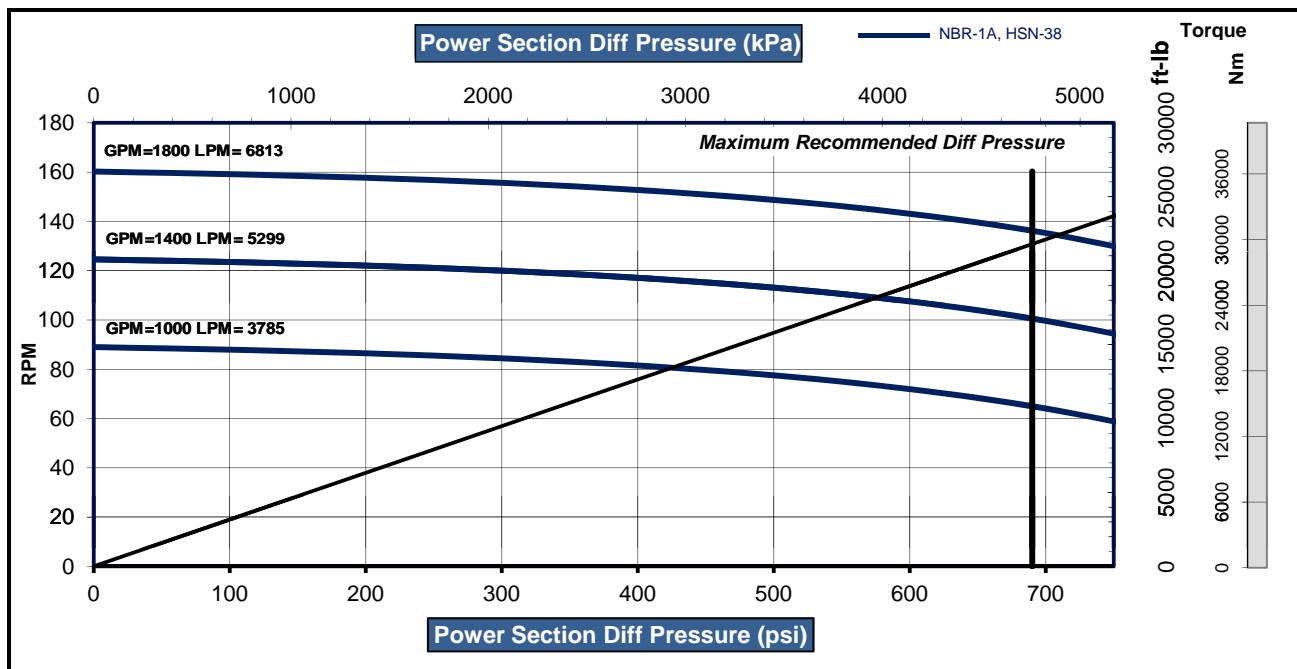
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	230.0	5842
Rubber Cut Back	10.5	267
Tube O.D.	11.25	285.8
Tube I.D.	9.25	235.0
Weight	2304 (lbs) 1045 (kg)	
Number of Stages	4.6	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	6.411	162.84
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.011	0.28
Oversize		
Double Oversize		

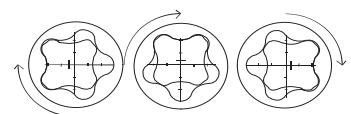
\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	31.594 ft-lb/psi 6.213 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38
Flow Range	1000 to 1800 GPM 3790 to 6810 Litre/min	Max Torque ft-lb (Nm)	690 (4760 )
Rotation	0.089 Rev/Gal 0.024 Rev/Litre	Stall Diff Press psi (kPa)	21800 (29560 )
Speed Range	89 to 170 RPM	Stall Torque ft-lb (Nm)	1040 (7140 )
Off Bottom Press	191 psi 1320 kPa	Max Recommended HP(kW)	32700 (44340 )
			665 (496)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



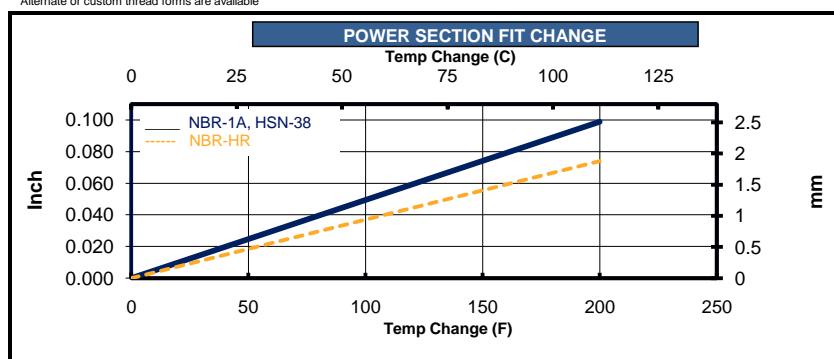
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	219.5	5575
Contour Length	210.5	5347
Eccentricity	0.538	13.67
Major Diameter	7.498	190.45
Head Diameter	6.500	165.10
Weight	1965 (lbs) 891.3 (kg)	
Material	17-4SS	
Thread Form*	4 1/2 API REG OR 4 1/2 API IF	

\* Alternate or custom thread forms are available

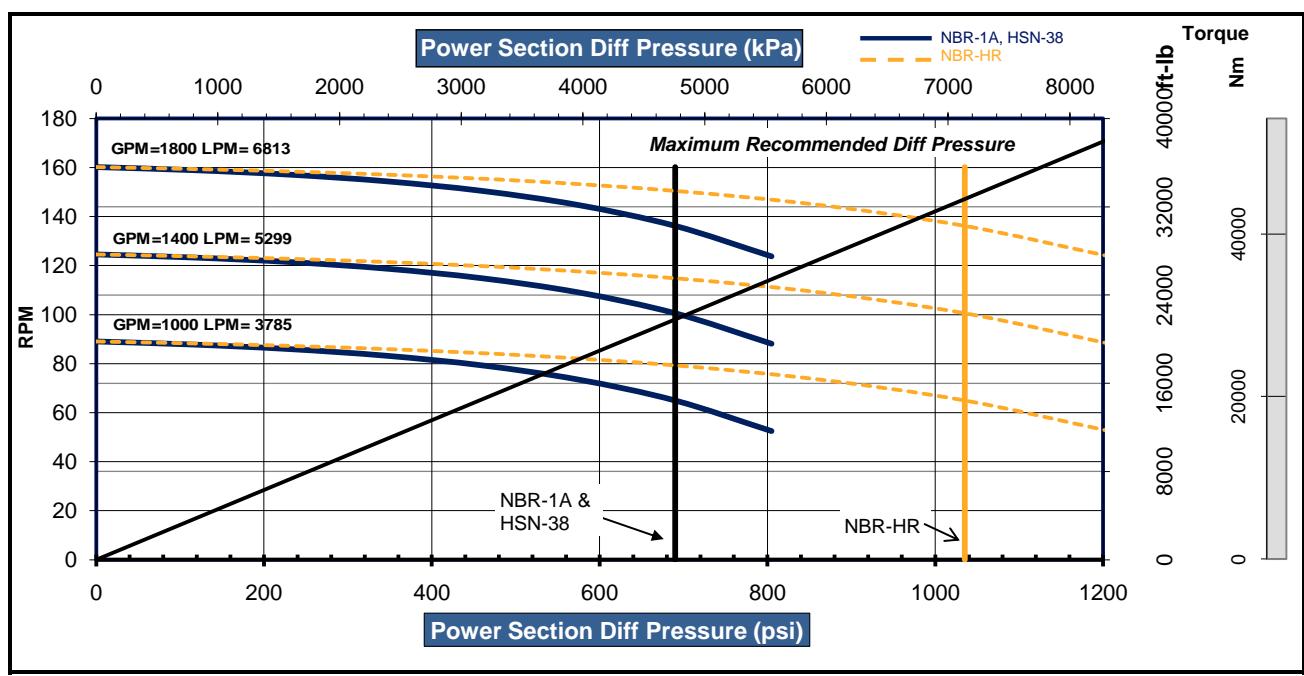
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	230.0	5842
Rubber Cut Back	10.5	267
Tube O.D.	11.50	292.1
Tube I.D.	9.25	235.0
Weight	2595 (lbs) 1177 (kg)	
Number of Stages	4.60	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	6.411 162.84
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	0.011 0.28
Oversize	
Second Oversize	



FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	6.411 162.84
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	0.011 0.28
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	31.594 ft-lb/psi 6.213 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	1000 to 1800 GPM 3790 to 6810 Litre/min	Max Torque ft-lb (Nm)	690 (4760) 1040 (7140)
Rotation	0.089 Rev/Gal 0.024 Rev/Litre	Stall Diff Press psi (kPa)	21800 (29560) 32700 (44340)
Speed Range	89 to 170 RPM	Stall Torque ft-lb (Nm)	1040 (7140) 1550 (10700)
Off Bottom Press	191 psi 1320 kPa	Max Recommended HP(kW)	32700 (44340) 49050 (66500)
			665 (496) 937 (699)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.

# Dyna-Drill

[www.dyna-drill.com](http://www.dyna-drill.com)

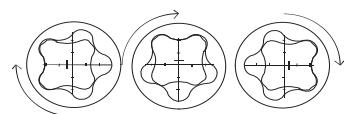
USA: 4660 World Houston Pkwy, Suite 100, Houston, TX 77032 Tel: (281) 227-1250, Fax: (281) 227-1255

Canada: Bay E., 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833

Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UAE, Tel: 011-971-4-8100310, Fax: 011-971-4-8100313

Model No: DD1150565.0

11.5" 5/6 Lobes 5 Stages



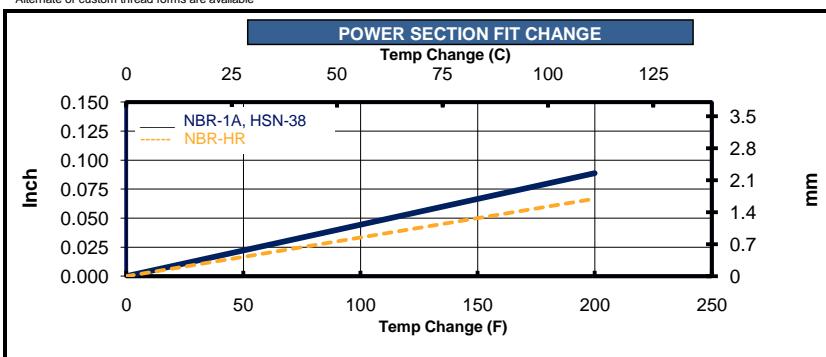
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	222.0	5639
Contour Length	213.0	5410
Eccentricity	0.472	11.99
Major Diameter	6.296	159.92
Head Diameter	6.500	165.10
Weight	1988 (lbs) 901.8 (kg)	
Material	17-4SS	
Thread Form*	4 1/2 API IF	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	232.0	5893
Rubber Cut Back	10.0	254
Tube O.D.	11.50	292.1
Tube I.D.	7.87	200.0
Weight	2880 (lbs) 1306 (kg)	
Number of Stages	5.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

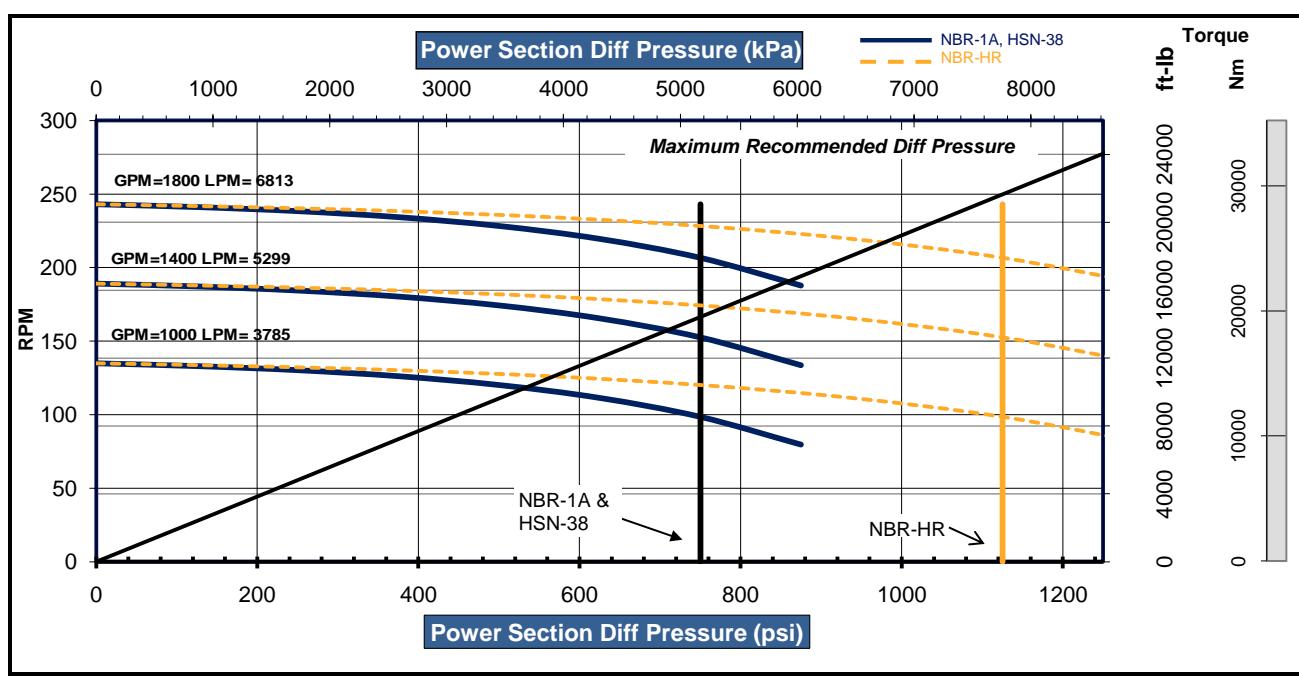
FIT INFORMATION	
NBR-1A & HSN-38	Minor Diameter
Stator Size	Inch mm
Standard	5.375 136.53
Oversize	
Second Oversize	
Nominal Fit at 75 F (25 C)	
Standard	-0.023 -0.58
Oversize	
Second Oversize	

\* Alternate or custom thread forms are available

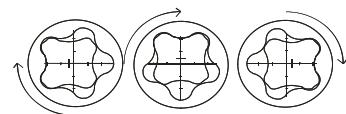


FIT INFORMATION	
NBR-HR	Minor Diameter
Stator Size	Inch mm
Undersize	
Standard	5.402 137.21
Oversize	
Nominal Fit at 75 F (25 C)	
Undersize	
Standard	-0.050 -1.27
Oversize	

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	19.237 ft-lb/psi 3.783 Nm/kPa	Max Diff Press psi (kPa)	NBR-1A AND HSN-38 NBR-HR
Flow Range	1000 to 1800 GPM 3790 to 6810 Litre/min	Max Torque ft-lb (Nm)	750 (5170) 1130 (7760)
Rotation	0.135 Rev/Gal 0.036 Rev/Litre	Stall Diff Press psi (kPa)	14430 (19560) 21640 (29340)
Speed Range	135 to 250 RPM	Stall Torque ft-lb (Nm)	1130 (7760) 1690 (11630)
Off Bottom Press	273 psi 1880 kPa	Max Recommended HP(kW)	21640 (29340) 32460 (44010)
			668 (498) 940 (701)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2011 Dyna-Drill® Technologies, Inc. All rights reserved.



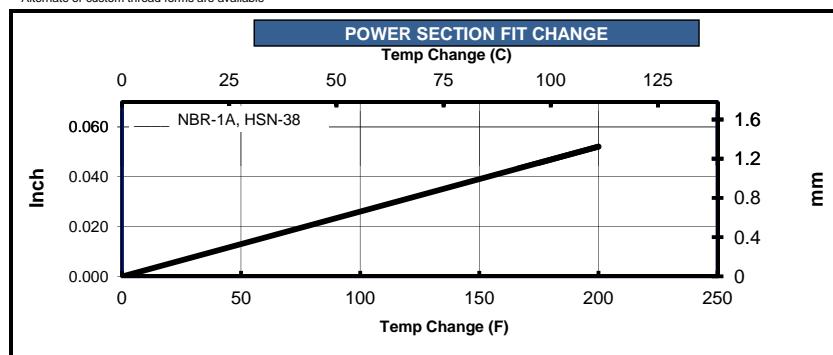
## POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	290.0	7366
Contour Length	281.0	7137
Eccentricity	0.368	9.35
Major Diameter	6.515	165.48
Head Diameter	5.900	149.90
Weight	2707 (lbs)	1227.9 (kg)
Material	17-4SS	
Thread Form*	4 API FH	

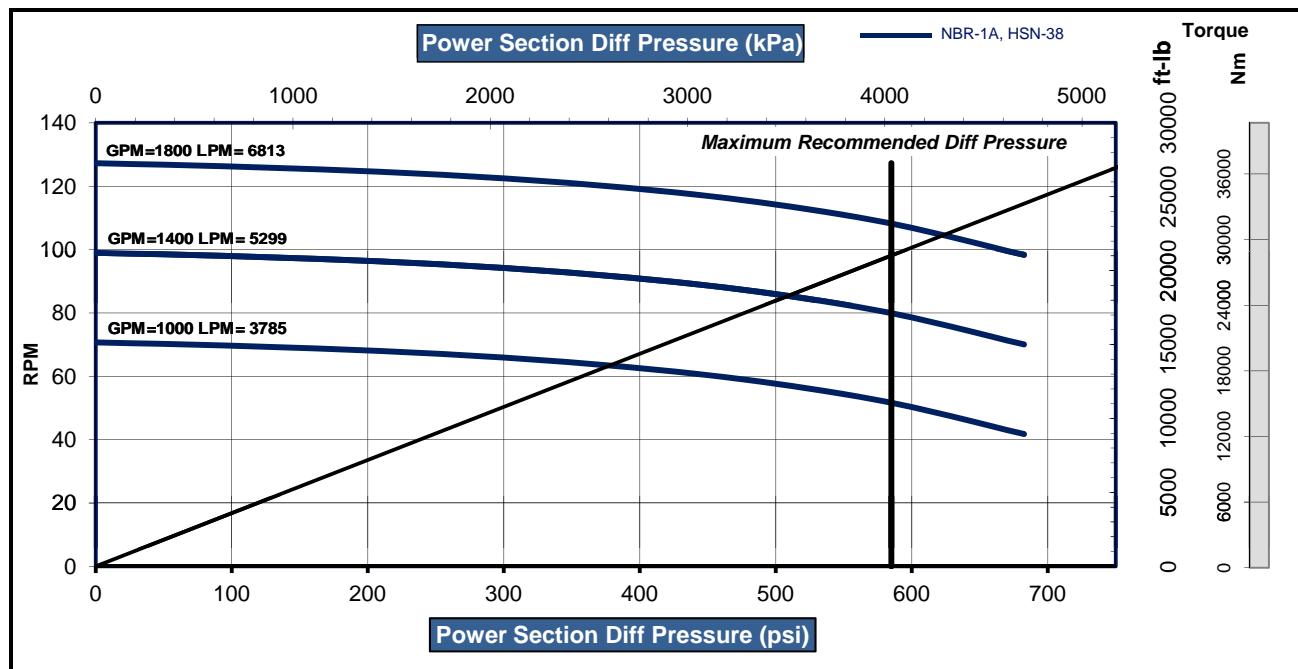
STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	300.0	7620
Rubber Cut Back	10.0	254
Tube O.D.	11.50	292.1
Tube I.D.	7.88	200.0
Weight	3476 (lbs)	1577 (kg)
Number of Stages	3.9	
Rubber Type	NBR-1A, HSN-38	
Tube Material	4142 Seamless Tubing	

FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	5.776	146.71
Oversize		
Double Oversize		
Nominal Fit at 75 F (25 C)		
Standard	0.002	0.05
Oversize		
Double Oversize		

\* Alternate or custom thread forms are available



PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS	
Torque Slope	35.940 ft-lb/psi 7.067 Nm/kPa	NBR-1A AND HSN-38	
Flow Range	1000 to 1800 GPM 3790 to 6810 Litre/min	Max Diff Press psi (kPa)	590 (4030 )
Rotation	0.071 Rev/Gal 0.019 Rev/Litre	Max Torque ft-lb (Nm)	21020 (28500 )
Speed Range	70 to 130 RPM	Stall Diff Press psi (kPa)	880 (6050 )
Off Bottom Press	157 psi 1080 kPa	Stall Torque ft-lb (Nm)	31540 (42760 )
		Max Recommended HP(kW)	509 (380)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves 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 and full torque. Stator sizes subject to change without notice. Copyright 2009 Dyna-Drill® Technologies, Inc. All rights reserved.



Power That Lasts  
[www.dyna-drill.com](http://www.dyna-drill.com)

# Dyna-Drill

U S A  
23400 Colonial Pkwy.  
Houston, TX 77493  
Phone: 281.227.1250

C A N A D A  
Bay E; 1202-5th  
Nisku, Alberta T9E 8B6  
Phone: 780-955-7711

U A E  
Oilfields Supply Center  
Building B-30  
P.O. Box 261039  
Dubai  
Tel: 011-971-4-8100310