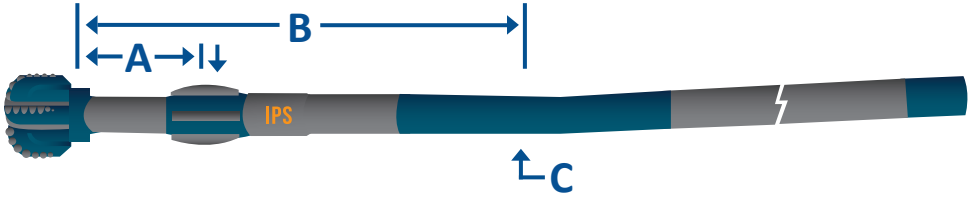




# 6 1/2" SEALED BEARING



Bit to Center of Stabilizer Blade	A	28 in (0.71m)
Bit to Bend	B	77 in (1.96m)
Radius @ Adjusting Ring	C	3.50 in (89 mm)

Max Effective OD of Slick Motor @ Adjusting Ring @ 0°	7.00 in (178 mm)
Max OD of Slick Motor w/Straight Housing	6.63 in (168 mm)
Bit to Max Slick OD w/Straight Housing	8.90 in (226 mm)

Estimated Total Weight	2040 lbs (925 kg)
Common Top Connection	4 1/2 REG, 4 1/2 IF, 4 1/2 H-90, 4 1/2 XH, 5 H-90
Common Btm Connection	4 1/2 REG



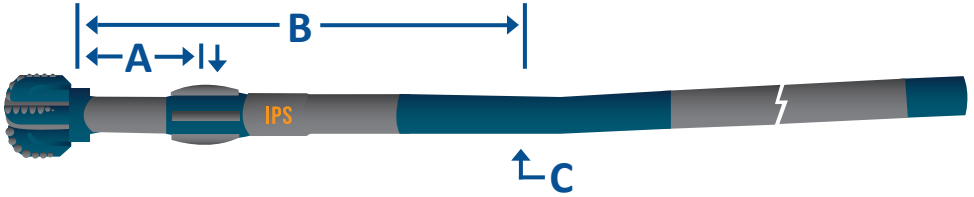
# 6 1/2" SEALED BEARING

## PREDICTED BUILD RATES DEGREES/100 FT (30M)

BEND SETTING	SLICK			SINGLE STABILIZER			TWO STABILIZER		
	HOLE SIZE			HOLE SIZE			HOLE SIZE		
	7-7/8	8-1/2	8-3/4	7-7/8	8-1/2	8-3/4	7-7/8	8-1/2	8-3/4
Deg									
0.39°	1.3	1.3	1.3	2.2	2.6	2.7	1.6	1.6	1.6
0.78°	3.5	2.5	2.5	4.4	4.7	4.8	3.9	3.9	3.9
1.15°	5.9	4.5	4.0	6.5	6.8	6.9	6.1	6.1	6.1
1.50°	8.2	6.8	6.2	8.4	8.7	8.8	8.1	8.1	8.1
1.83°	10.4	8.9	8.4	10.4	10.5	10.6	10.2	10.1	10.1
2.12°	12.3	10.8	10.2	12.3	12.1	12.2	12.2	11.8	11.8
**2.25°	13.2	11.7	11.1	13.2	12.9	12.9	13.1	12.5	12.5
2.38°	14.0	12.5	11.9	14.0	13.6	13.7	14.0	13.3	13.3
2.60°	15.4	13.9	13.3	15.4	14.8	14.9	15.6	14.6	14.6
2.77°	16.6	15.0	14.4	16.6	15.7	15.8	16.7	15.6	15.6
2.89°	17.3	15.8	15.2	17.3	16.4	16.5	17.6	16.3	16.3
2.97°	17.9	16.3	15.7	17.9	16.8	16.9	18.1	16.8	16.8
3.00°	18.1	16.5	15.9	18.1	17.0	17.1	18.3	16.9	16.9



# 6 1/4" SEALED BEARING



Bit to Center of Stabilizer Blade	A	28 in (0.71 m)
Bit to Bend	B	77 in (1.96 m)
Radius @ Adjusting Ring	C	3.50 in (89 mm)

Max Effective OD of Slick Motor @ Adjusting Ring @ 0°	7.00 in (178 mm)
Max OD of Slick Motor w/Straight Housing	6.63 in (168 mm)
Bit to Max Slick OD w/Straight Housing	8.90 in (226 mm)

Estimated Total Weight	1990 lbs (903 kg)
Common Top Connection	4 1/2 REG, 4 1/2 IF, 4 1/2 H-90, 4 1/2 XH, 5 H-90
Common Btm Connection	4 1/2 REG



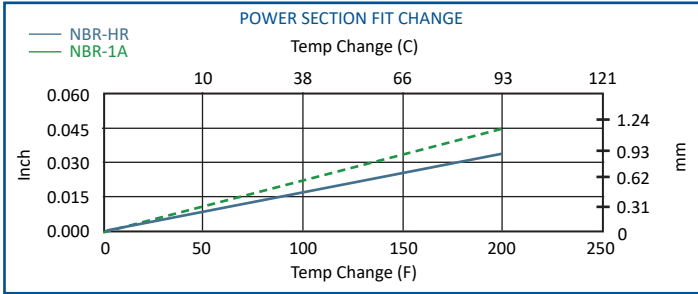
# 6 1/4" SEALED BEARING

## PREDICTED BUILD RATES DEGREES/100 FT (30M)

BEND SETTING	SLICK			SINGLE STABILIZER			TWO STABILIZER		
	HOLE SIZE			HOLE SIZE			HOLE SIZE		
Deg	7-7/8	8-1/2	8-3/4	7-7/8	8-1/2	8-3/4	7-7/8	8-1/2	8-3/4
0.39°	1.2	1.2	1.2	2.3	2.6	2.7	1.5	1.6	1.6
0.78°	3.5	2.4	2.4	4.4	4.6	4.7	3.8	3.8	3.8
1.15°	5.8	4.5	3.9	6.3	6.6	6.7	5.8	5.8	5.8
1.50°	8.0	6.6	6.1	8.2	8.5	8.6	7.8	7.8	7.8
1.83°	10.1	8.7	8.1	10.1	10.2	10.3	9.7	9.7	9.7
2.12°	11.9	10.5	9.9	11.9	11.8	11.8	11.6	11.3	11.3
**2.25°	12.7	11.3	10.7	12.7	12.5	12.5	12.5	12.1	12.1
2.38°	13.5	12.1	11.5	13.5	13.1	13.2	13.4	12.8	12.8
2.60°	14.9	13.4	12.9	14.9	14.3	14.4	14.8	14.0	14.0
2.77°	15.9	14.5	13.9	15.9	15.2	15.3	16.0	15.0	15.0
2.89°	16.7	15.2	14.6	16.7	15.9	15.9	16.8	15.7	15.7
2.97°	17.2	15.7	15.1	17.2	16.3	16.3	17.3	16.1	16.1
3.00°	17.4	15.9	15.3	17.4	16.4	16.5	17.5	16.3	16.3



# 6.25" 7/8 LOBES 2.9 STAGES

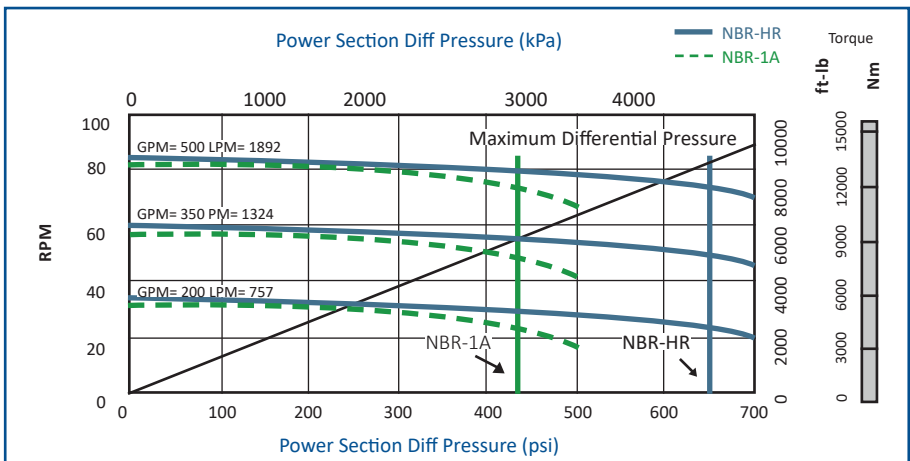


## PERFORMANCE SPECIFICATIONS

Torque Slope	14.713 ft-lb/psi	2.893 Nm/kPa
Flow Range	200 to 500 GPM	760 to 1890 Litre/min
Rotation	0.170 Rev/Gal	0.045 Rev/Litre
Speed Range	34 to 85 RPM	
Off Bottom Press	56 psi	390 kPa

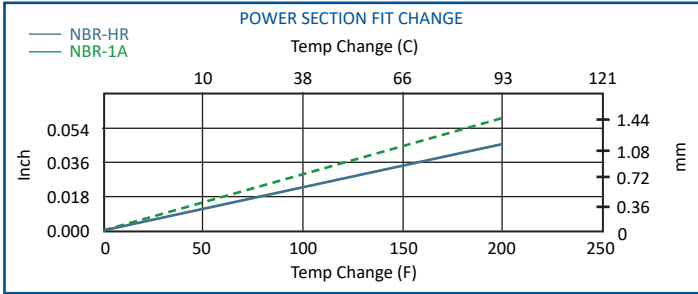
## PERFORMANCE DETAILS

	NBR - 1A	NBR - HR
Max Diff Press psi (kPa)	440 (3000)	650 (4500)
Max Torque ft-lb (Nm)	6400 (8680)	9600 (13020)
Stall Diff Press psi (kPa)	650 (4500)	980 (6750)
Stall Torque ft-lb (Nm)	9600 (13020)	14400 (19520)
Max Recommended HP (kW)	104 (77)	148 (110)





# 6.25" 7/8 LOBES 4.8 STAGES

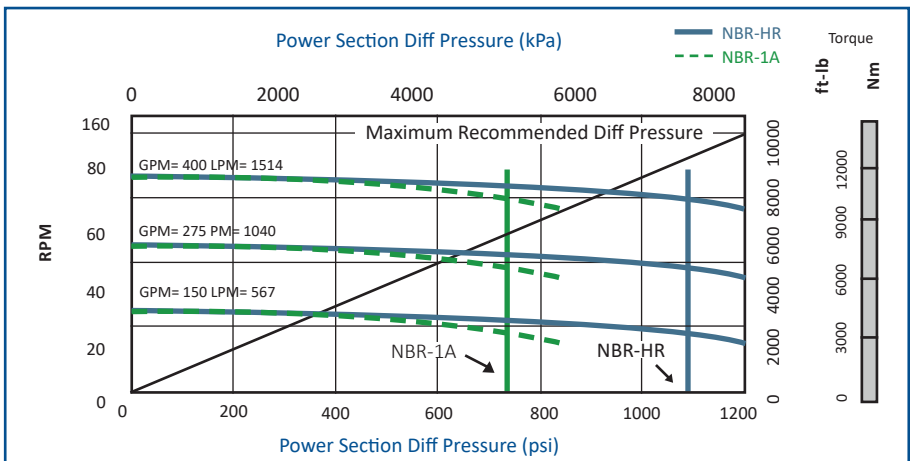


## PERFORMANCE SPECIFICATIONS

Torque Slope	7.977 ft-lb/psi 1.569 Nm/kPa
Flow Range	150 to 400 GPM 570 to 1510 Litre/min
Rotation	0.330 Rev/Gal 0.087 Rev/Litre
Speed Range	49 to 140 RPM
Off Bottom Press	88 psi 610 kPa

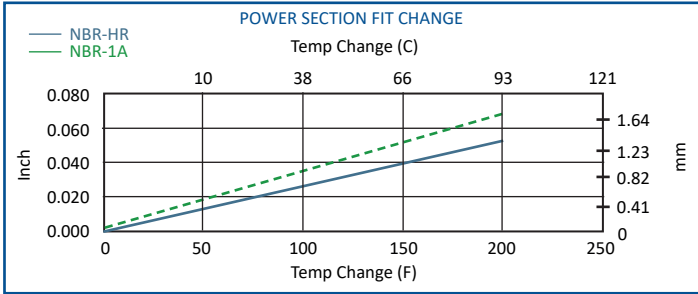
## PERFORMANCE DETAILS

	NBR - 1A	NBR - HR
Max Diff Press psi (kPa)	720 (4960)	1080 (7450)
Max Torque ft-lb (Nm)	5740 (7790)	8620 (11680)
Stall Diff Press psi (kPa)	1080 (7450)	1620 (11170)
Stall Torque ft-lb (Nm)	8620 (11680)	12920 (17520)
Max Recommended HP (kW)	144 (108)	207 (154)





# 6.5" 4/5 LOBES 7.0 STAGES

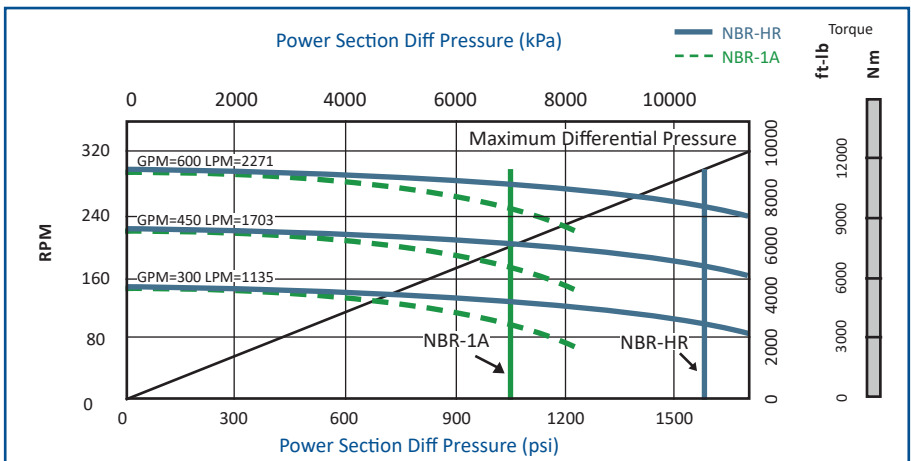


## PERFORMANCE SPECIFICATIONS

Torque Slope	5.770 ft-lb/psi 1.135 Nm/kPa
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min
Rotation	0.497 Rev/Gal 0.131 Rev/Litre
Speed Range	149 to 300 RPM
Off Bottom Press	206 psi 1420 kPa

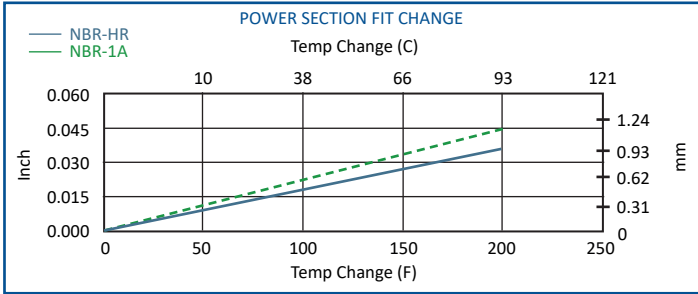
## PERFORMANCE DETAILS

	NBR - 1A	NBR - HR
Max Diff Press psi (kPa)	1050 (7240)	1580 (10860)
Max Torque ft-lb (Nm)	6060 (8220)	9090 (12330)
Stall Diff Press psi (kPa)	1580 (10860)	2360 (16290)
Stall Torque ft-lb (Nm)	9090 (12330)	13630 (18490)
Max Recommended HP (kW)	344 (257)	482 (360)





# 6.5" 7/8 LOBES 2.9 STAGES

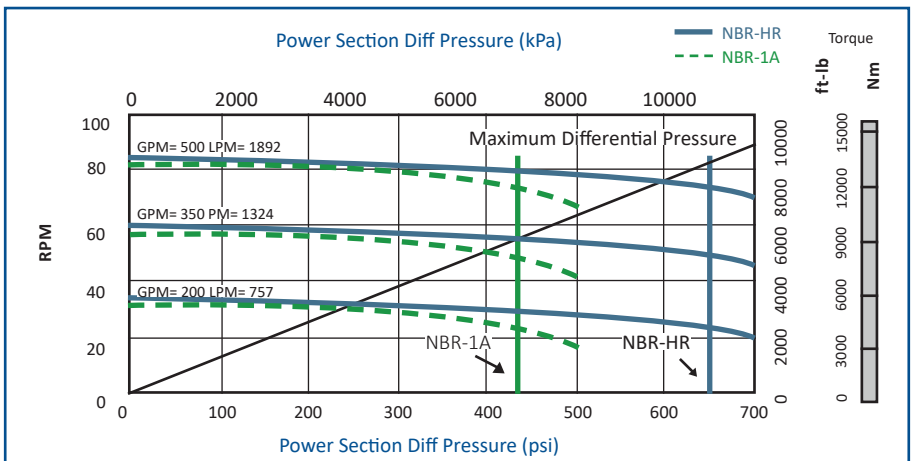


## PERFORMANCE SPECIFICATIONS

Torque Slope	14.713 ft-lb/psi	2.893 Nm/kPa
Flow Range	200 to 500 GPM	760 to 1890 Litre/min
Rotation	0.170 Rev/Gal	0.045 Rev/Litre
Speed Range	34 to 85 RPM	
Off Bottom Press	56 psi	390 kPa

## PERFORMANCE DETAILS

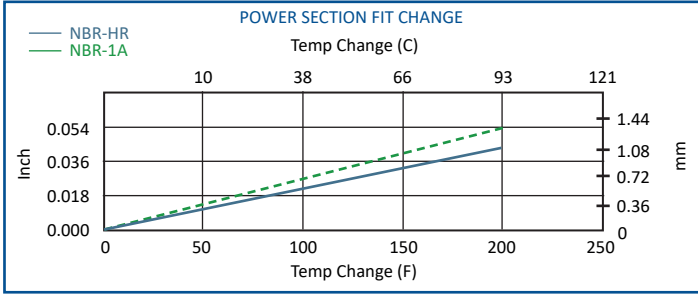
	NBR - 1A	NBR - HR
Max Diff Press psi (kPa)	440 (3000)	650 (4500)
Max Torque ft-lb (Nm)	6400 (8680)	9600 (13020)
Stall Diff Press psi (kPa)	650 (4500)	980 (6750)
Stall Torque ft-lb (Nm)	9600 (13020)	14400 (19520)
Max Recommended HP (kW)	104 (77)	148 (110)







# 6.5" 7/8 LOBES 3.0 STAGES

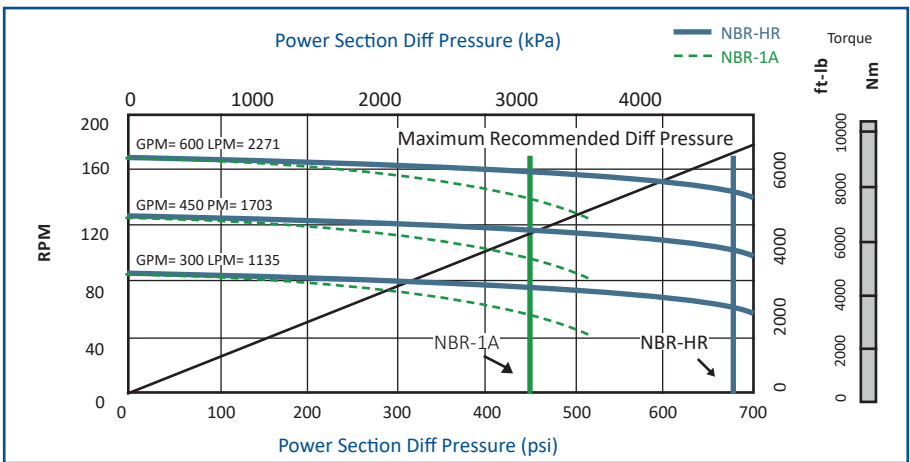


## PERFORMANCE SPECIFICATIONS

Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min
Rotation	0.283 Rev/Gal 0.075 Rev/Litre
Speed Range	84 to 170 RPM
Off Bottom Press	111 psi 770 kPa

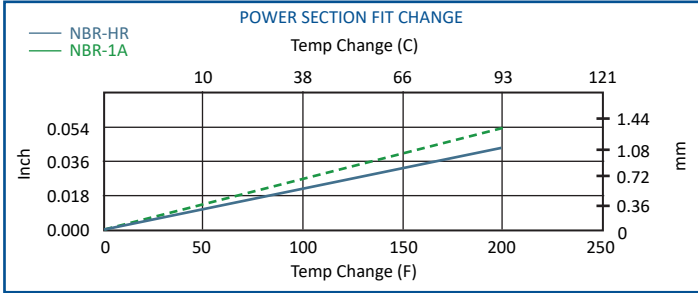
## PERFORMANCE DETAILS

	NBR - 1A	NBR - HR
Max Diff Press psi (kPa)	450 (3100)	680 (4650)
Max Torque ft-lb (Nm)	4190 (5670)	6280 (8510)
Stall Diff Press psi (kPa)	680 (4650)	1010 (6980)
Stall Torque ft-lb (Nm)	6280 (8510)	9420 (12770)
Max Recommended HP (kW)	135 (101)	190 (142)





# 6.5" 7/8 LOBES 5.0 STAGES



## PERFORMANCE SPECIFICATIONS

Torque Slope	9.300 ft-lb/psi 1.829 Nm/kPa
Flow Range	300 to 600 GPM 1140 to 2270 Litre/min
Rotation	0.288 Rev/Gal 0.076 Rev/Litre
Speed Range	86 to 180 RPM
Off Bottom Press	137 psi 940 kPa

## PERFORMANCE DETAILS

	NBR - 1A	NBR - HR
Max Diff Press psi (kPa)	750 (5170)	1130 (7760)
Max Torque ft-lb (Nm)	6980 (9460)	10460 (14190)
Stall Diff Press psi (kPa)	1130 (7760)	1690 (11630)
Stall Torque ft-lb (Nm)	10460 (14190)	15690 (21280)
Max Recommended HP (kW)	229 (171)	323 (241)

