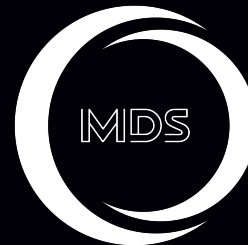


A close-up photograph of several metal drill bits stacked vertically. The bits are made of polished metal and show the characteristic double-flute design. The lighting is dramatic, highlighting the metallic sheen and the sharp edges of the flutes. The background is blurred, focusing attention on the texture and detail of the drill bits.

800 MOTORS

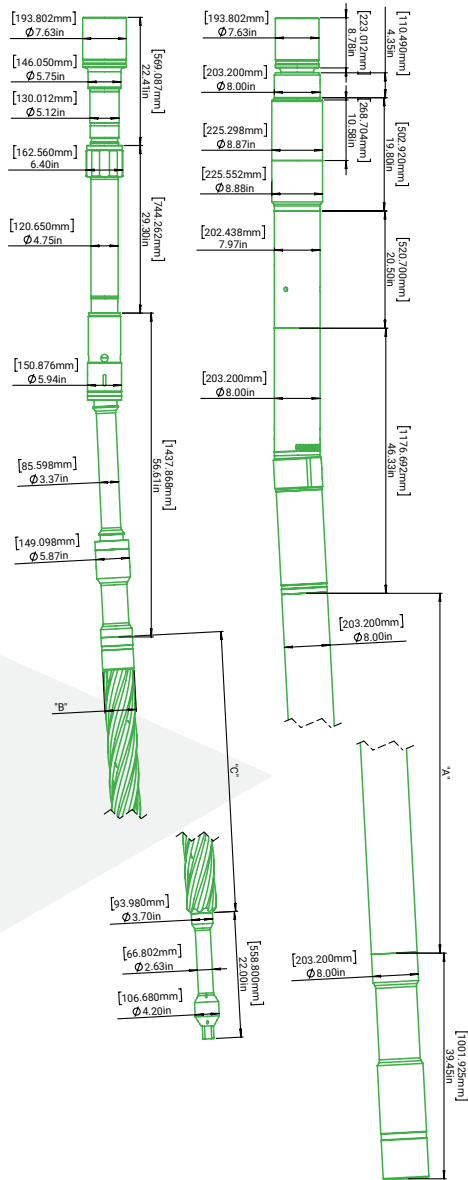


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800

800 FISHING DIAGRAM

800 SPECIFICATIONS



POWER SECTION

		4/5 6.0	7/8 4.0	7/8 5.9
Stator Length	A	260 in	203.2 in	300 in
Rotor OD	B	5.143 in	5.186 in	5.186 in
Rotor Length	C	252 in	196.3 in	285 in

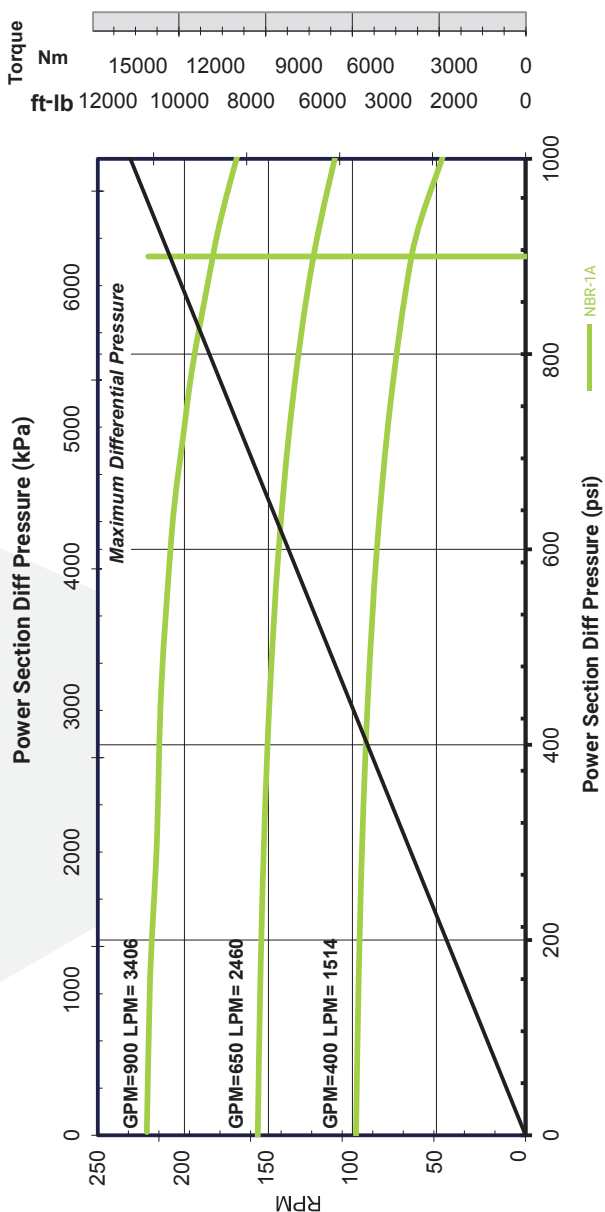
SPECIFICATIONS

Bit Box to Stabilizer	20 in	0.51 m
Bit Box to Bend	68 (76)* in	1.73 (1.93)* m
Bit Box to Top Sub	357 in	9.07 m
Maximum Dynamic Weight On Bit	205,000 lb	910 kN
Max. Dynamic Pull to Re-Run Motor	112,000 lb	500 kN
Max. Static Pull to Re-Run Motor	380,000 lb	1,690 kN
Pull to Yield Motor	1,000,000 lb	4,450 kN
Standard Bit Box Connections	6 5/8 Reg	
Driveline Connections Torque Limit	46,500 ft-lbs	63,000 Nm
Housing Connections Torque Limit	46,500 ft-lbs	63,000 Nm
Side Load Limit (Static)	210,000 lbf	934,000 N
Side Load Limit (Dynamic)	90,500 lbf	402,500 N

*With Adjustable Bend Housing

8" 4/5 LOBES 6 STAGES

8" 4/5 LOBES 6 STAGES



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves are for 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

SPECIFICATIONS

Flow Range	400 - 900 gpm	1,510 - 3,410 lpm
Revolutions per Volume	0.246 rev/gal	0.065 rev/l
Speed Range	98-230 rpm	
Max. Differential Pressure	1,350 psi	9,310 kPa
Torque @ Max. Diff. Pressure	15,300 kPa	20,750 Nm
Stall Torque	22,950 lb-ft	31,120 Nm

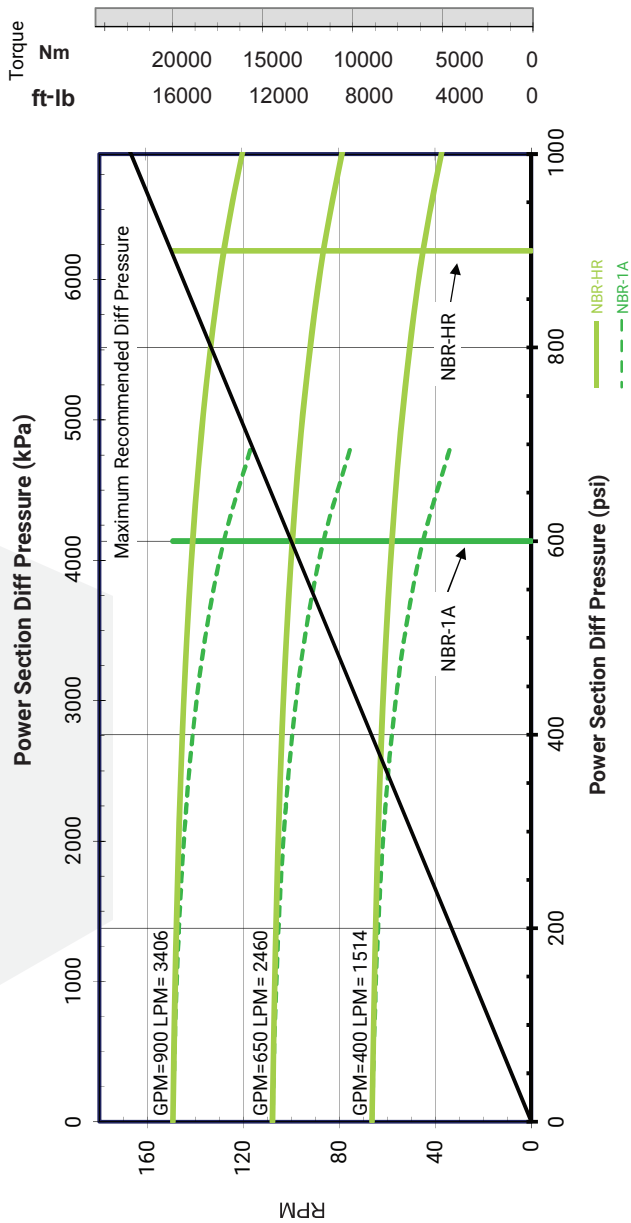
PREDICTED BUILD RATES - DEGREES/100 FT (30 M)

Bend Setting	Slick Hole Size			Single Stabilizer Hole Size		
	9.875"	10.625"	12.25"	9.875"	10.625"	12.25"
	251 mm	270 mm	311 mm	251 mm	270 mm	311 mm
0.39	-	-	-	3.1	0.9	-
0.78	2.2	0.8	-	5.3	3.2	-
1.15	4.3	2.9	-	7.5	5.3	0.6
1.5	6.4	5.0	1.9	9.5	7.4	2.7
1.83	8.3	6.9	3.8	11.4	9.3	4.6
2.12	10.0	8.6	5.5	13.1	11.0	6.3
2.38	11.5	10.1	7.0	14.6	12.5	7.8
2.6	12.8	11.4	8.3	15.9	13.8	9.1
2.77	13.8	12.4	9.3	16.9	14.8	10.1
2.9	14.5	13.1	10.0	17.7	15.5	10.8
2.97	15.0	13.5	10.4	18.1	15.9	11.2
3.00	15.1	13.7	10.6	18.3	16.1	11.4

*With Adjustable Bend Housing

8" 7/8 LOBES 4 STAGES

8" 7/8 LOBES 4 STAGES



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves are for 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.

SPECIFICATIONS

Flow Range	400 - 900 gpm	1,510 - 3,410 lpm
Revolutions per Volume	0.166 rev/gal	0.044 rev/l
Speed Range	66 - 150 rpm	
Max. Differential Pressure	900 psi	6,210 kPa
Torque @ Max. Diff. Pressure	14,930 lb-ft	20,240 Nm
Stall Torque	22,400 lb-ft	30,360 Nm

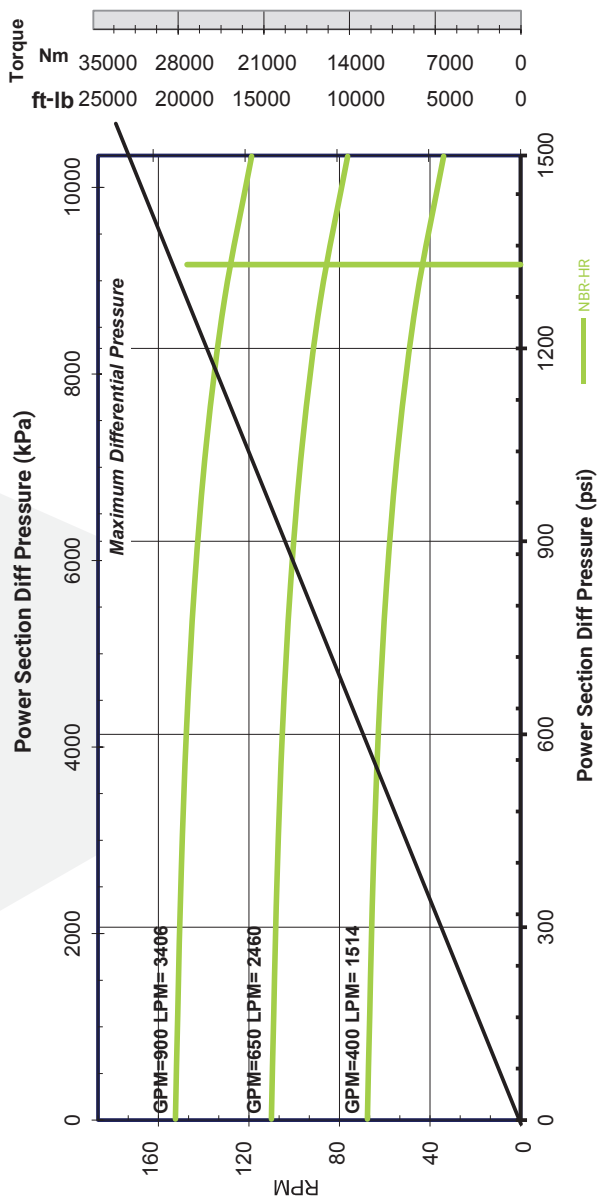
PREDICTED BUILD RATES - DEGREES/100 FT (30 M)

Bend Setting	Slick Hole Size			Single Stabilizer Hole Size		
	9.875"	10.625"	12.25"	9.875"	10.625"	12.25"
	251 mm	270 mm	311 mm	251 mm	270 mm	311 mm
0.39	0.6	-	-	2.3	2.5	3.4
0.78	2.9	1.7	-	4.5	4.4	5.4
1.15	5.0	3.8	0.6	7.0	6.5	7.5
1.5	7.1	5.8	2.6	9.6	9.1	9.4
1.83	9.5	8.0	4.9	12.1	11.7	11.2
2.12	11.6	10.1	6.8	14.4	14.0	13.1
2.38	13.4	11.8	8.6	16.5	16.1	15.2
2.6	15.0	13.2	10.0	18.2	17.8	16.9
2.77	16.2	14.5	11.2	19.6	19.2	18.3
2.9	16.9	15.4	12.0	20.5	20.1	19.2
2.97	17.4	15.9	12.5	21.3	20.8	19.8
3.00	17.5	16.1	12.7	21.5	21.0	20.0

*With Adjustable Bend Housing

8" 7/8 LOBES 5.9 STAGES

8" 7/8 LOBES 5.9 STAGES



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance curves are for 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.

SPECIFICATIONS

Flow Range	400 - 900 gpm	1,510 - 3,410 lpm
Revolutions per Volume	0.166 rev/gal	0.044 rev/l
Speed Range	66 - 150 rpm	
Max. Differential Pressure	1,330 psi	9,150 kPa
Torque @ Max. Diff. Pressure	22,020 lb-ft	29,860 Nm
Stall Torque	33,030 lb-ft	44,780 Nm

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

Bend Setting	Slick Hole Size			Single Stabilizer Hole Size		
	9.875"	10.625"	12.25"	9.875"	10.625"	12.25"
	251 mm	270 mm	311 mm	251 mm	270 mm	311 mm
0.39	-	-	-	2.7	0.8	-
0.78	2.0	0.7	-	4.8	2.8	-
1.15	3.9	2.6	-	6.8	4.8	0.5
1.5	5.8	4.5	1.7	8.6	6.7	2.4
1.83	7.5	6.3	3.4	10.4	8.4	4.1
2.12	9.1	7.8	5.0	11.9	9.9	5.7
2.38	10.5	9.2	6.4	13.3	11.3	7.1
2.6	11.6	10.3	7.5	14.5	12.5	8.2
2.77	12.5	11.2	8.4	15.4	13.4	9.1
2.9	13.2	11.9	9.1	16.1	14.1	9.8
2.97	13.6	12.3	9.5	16.4	14.5	10.2
3.00	13.8	12.5	9.7	16.6	14.6	10.4

*With Adjustable Bend Housing



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