

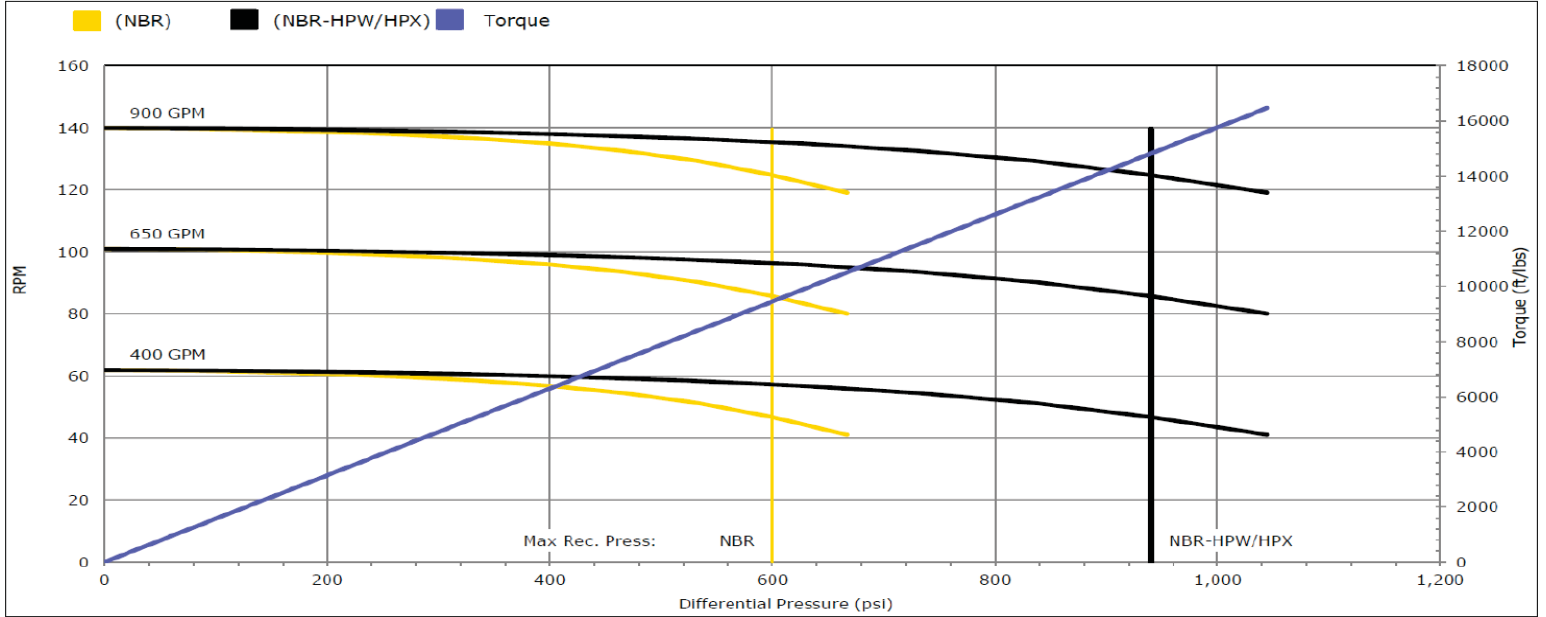


PANTHER

**9 5/8" Combo Motor
7/8 Lobes 4.0 Stages**

POWER SECTION

PERFORMANCE SPECIFICATIONS		PERFORMANCE DETAILS		
			NBR	NBR-HPW/HPX
Torque Slope	15.77 ft-lb/psi	Max Diff Pressure psi	600	940
Flow Range	400 - 900 GPM	Max Torque ft-lb	9,470	14,830
Rotation	.155 rev/gal	Stall Diff Press psi	900	1,490
Speed Range	60 - 140 RPM	Stall Torque ft-lb (Nm)	14,200	23,350
Off Bottom Pressure	100 psi	Max Recommended HP	243	381



Build Rate (°/100')													
PANTHER	Housing Type	Fixed Bend				Adjustable Slick Housing				Stabilized Housing 1/8" Undergauge			
	Hole Size	12.25	14.75	17.5	NA	12.25	14.75	17.5	NA	12.25	14.75	17.5	NA
Motor Bend Angle	0.39	NA	NA	NA	NA	2.79	1.12	0.00	NA	3.21	4.41	5.76	NA
	0.78	NA	NA	NA	NA	4.54	2.91	1.94	NA	5.19	6.39	7.73	NA
	1.15	NA	NA	NA	NA	6.53	4.06	3.37	NA	7.06	8.27	9.61	NA
	1.50	NA	NA	NA	NA	8.42	5.91	4.21	NA	8.84	10.05	11.39	NA
	1.83	NA	NA	NA	NA	10.20	7.68	5.44	NA	10.52	11.72	13.06	NA
	2.12	NA	NA	NA	NA	11.76	9.25	6.46	NA	11.99	13.19	14.54	NA
	2.38	NA	NA	NA	NA	13.16	10.65	7.86	NA	13.31	14.51	15.86	NA
	2.60	NA	NA	NA	NA	14.34	11.83	9.05	NA	14.42	15.63	16.97	NA
	2.77	NA	NA	NA	NA	15.26	12.75	9.96	NA	15.29	16.49	17.84	NA
	2.89	NA	NA	NA	NA	15.91	13.39	10.61	NA	15.90	17.10	18.44	NA
2.97	NA	NA	NA	NA	16.34	13.82	11.04	NA	16.30	17.51	18.85	NA	
3.00	NA	NA	NA	NA	16.50	13.98	11.20	NA	16.45	17.66	19.00	NA	

GENERAL INFORMATION			
Standard Bit Connection (1)	6 5/8" Reg.	Max Bit Pull (3)	450,000 lbs.
Standard Top Connection (1)	6 5/8" XH	Max Body Pull (3)	1,000,000 lbs.
Max Weight on Bit (Operating)	116,000	Max Axial Play for Re-run	0.245 in.
Max Weight on Bit (Continuous) (2)	58,000		

(1) Other connections available upon request.

(2) Optimal motor life.

(3) Exceeding these values may cause motor components to remain in hole.