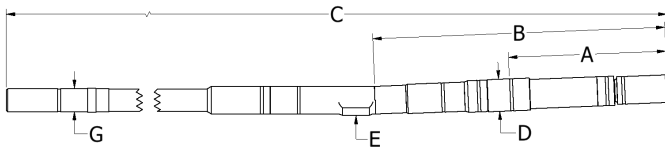


RVDF-96 Combo: 7/8 Lobe 4.0 Stage



Dimensions

Bit to Stabilizer Center	A	45 in
Bit to Bend, ABH	B	75 in
Bit to Top Sub	C	378 in
Body OD, Slick	D	9.63 in
Body OD, Stabilizer	D	11.0 in
Pad Radius, ABH	E	5.07 in
Power Section OD	G	7.75 in
Bottom Connection	6-5/8 REG Box 6-5/8 REG Pin 7-5/8 REG Box	
Top Connection	6-5/8 REG Box	
Top Sub Float Bore	5F-6R	

Recommended Operating Limits

Max WOB	261,000 lbf
Max Overpull, Backream	377,000 lbf
Max Overpull, Re-Run	721,000 lbf
Max Overpull, POOH	1,232,000 lbf

Performance Details

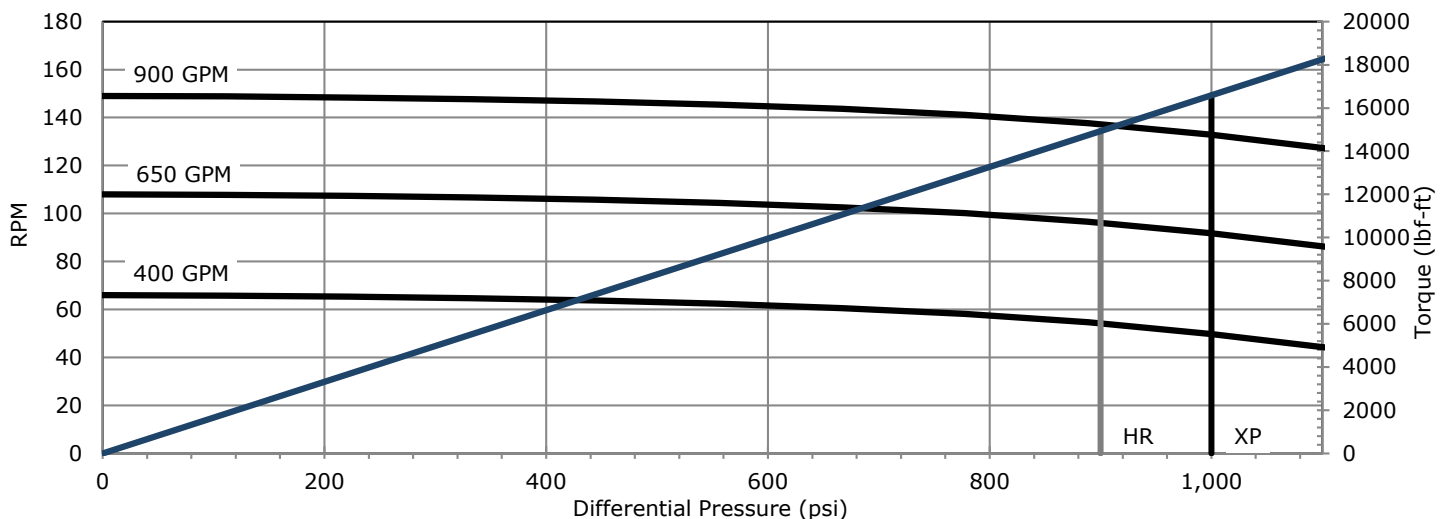
	HR	XP
Max Diff Pressure	900	990 psi
Max Torque	14,930	16,420 lbf-ft
Stall Torque	22,400	24,640 lbf-ft
Rotation	0.166	0.166 rev/gal
Flow Range	400-900	400-900 gpm
Speed Range	66-150	66-150 rpm

Predicted Build Rates (Adj.) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
Deg	12 1/4	14 3/4	17 1/2	12 1/4	14 3/4	17 1/2
0.39	-	-	-	4.2	5.5	7.0
0.78	2.2	-	-	6.4	7.7	9.1
1.15	4.4	-	-	8.4	9.7	11.2
1.50	6.5	1.9	-	10.4	11.7	13.2
1.83	8.6	3.9	-	12.2	13.5	15.0
2.12	10.3	5.6	-	13.8	15.1	16.6
2.38*	11.9	7.2	2.1	15.3	16.6	18.1
2.60*	13.2	8.6	3.4	16.5	17.8	19.3
2.77*	14.3	9.6	4.4	17.4	18.8	20.2
2.90*	15.1	10.4	5.2	18.2	19.5	20.9
2.97*	15.5	10.8	5.7	18.6	19.9	21.3
3.00*	15.7	11.0	5.8	18.7	20.0	21.5

*Bend Setting not recommended for Rotary Drilling

Theoretical Performance Curve



Performance curves based on testing at 70°F. Actual field performance may vary with field operation conditions.