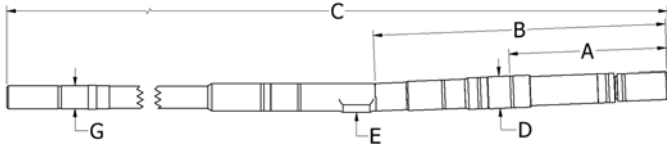


RVPP-96 Combo: 7/8 Lobe 5.9 Stage



Dimensions

Bit to Stabilizer Center	A	25 in
Bit to Bend, ABH	B	93 in
Bit to Top Sub	C	455 in
Body OD, Slick	D	9.63 in
Body OD, Stabilizer	D	11.0 in
Pad Radius, ABH	E	4.94 in
Power Section OD	G	8.0 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	168,000 lbf
Max Overpull, Backream	220,000 lbf
Max Overpull, Re-Run	220,000 lbf
Max Overpull, POOH	938,000 lbf

Performance Details

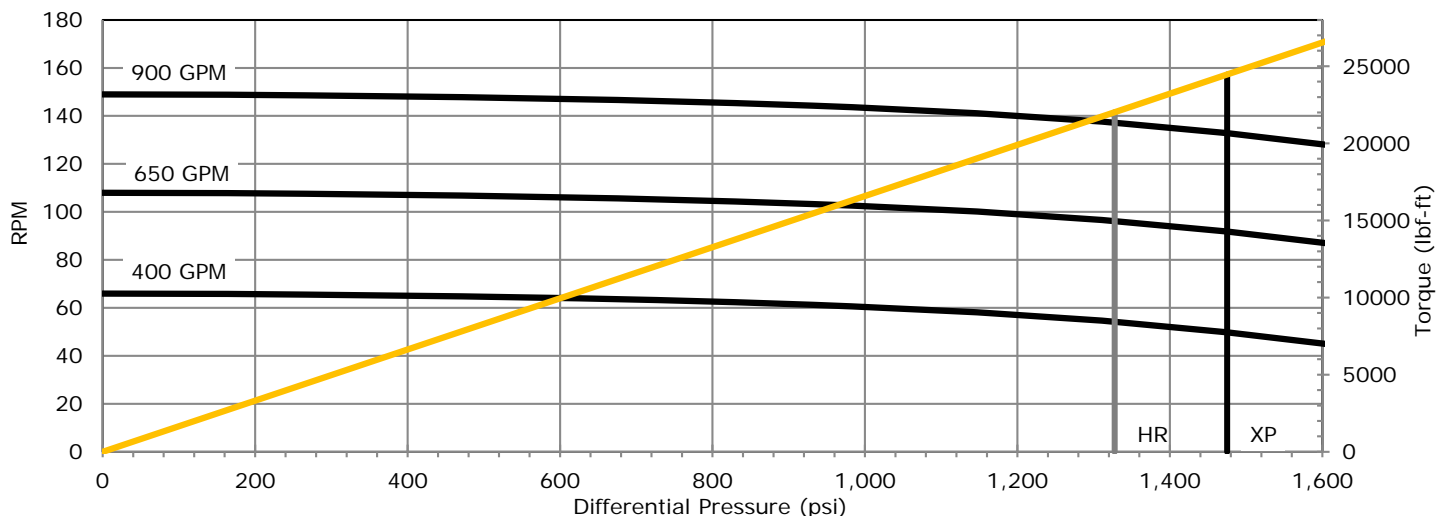
	HR	XP
Max Diff Pressure	1,330	1,460 psi
Max Torque	22,020	24,220 lbf-ft
Stall Torque	33,030	36,330 lbf-ft
Rotation	0.166	0.166 rev/gal
Flow Range	400-900	400-900 gpm
Speed Range	66-150	66-150 rpm

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

Bend Setting Deg	Slick Hole Size			Stabilized Hole Size		
	12 1/4	14 3/4	17 1/2	12 1/4	14 3/4	17 1/2
0.39	-	-	-	2.6	3.5	4.4
0.78	1.6	-	-	4.3	5.2	6.1
1.15	3.5	-	-	5.9	6.7	7.7
1.50	5.3	2.0	-	7.4	8.2	9.2
1.83	7.0	3.7	-	8.8	9.6	10.6
2.12	8.5	5.2	1.6	10.0	10.9	11.8
2.38*	9.8	6.5	2.9	11.1	12.0	12.9
2.60*	10.9	7.6	4.0	12.1	12.9	13.9
2.77*	11.8	8.5	4.9	12.8	13.7	14.6
2.90*	12.4	9.2	5.6	13.4	14.2	15.1
2.97*	12.8	9.5	5.9	13.7	14.5	15.4
3.00*	12.9	9.7	6.1	13.8	14.6	15.6

*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.