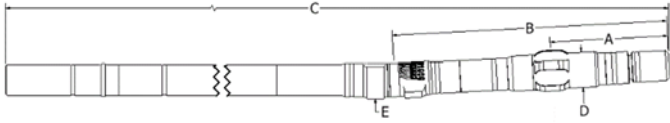


**RVPP-96: 7/8 Lobe 3.9 Stage**



**Dimensions**

Bit to Stabilizer Center	A	25 in
Bit to Bend, ABH	B	93 in
Bit to Top Sub	C	464 in
Body OD, Slick	D	9.63 in
Body OD, Stabilizer	D	11.0 in
Pad Radius, ABH	E	4.94 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 7/58 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	972,000 lbf

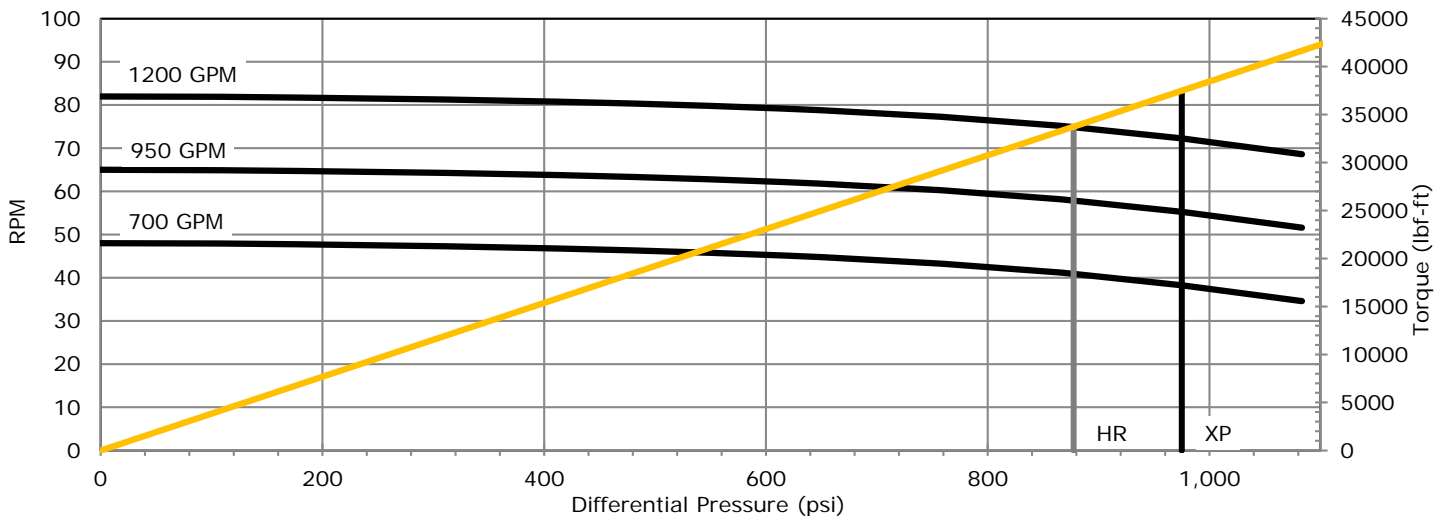
Performance Details	HR	XP
Max Diff Pressure	880	970 psi
Max Torque	33,750	37,130 lbf-ft
Stall Torque	50,630	55,700 lbf-ft
Rotation	0.068	0.068 rev/gal
Flow Range	700-1,200	700-1,200 gpm
Speed Range	47-82	47-82 rpm

**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
<b>0.39</b>	-	-	-	2.0	2.9	3.8
<b>0.78</b>	-	-	-	3.7	4.5	5.4
<b>1.15</b>	2.8	-	-	5.2	6.1	7.0
<b>1.50</b>	4.5	1.3	-	6.7	7.5	8.4
<b>1.83</b>	6.2	3.0	-	8.1	8.9	9.8
<b>2.12</b>	7.6	4.4	-	9.3	10.1	11.0
<b>2.38*</b>	8.9	5.7	2.2	10.4	11.2	12.1
<b>2.60*</b>	10.0	6.8	3.3	11.3	12.2	13.0
<b>2.77*</b>	10.9	7.7	4.2	12.1	12.9	13.8
<b>2.90*</b>	11.5	8.3	4.8	12.6	13.4	14.3
<b>2.97*</b>	11.9	8.7	5.2	12.9	13.7	14.6
<b>3.00*</b>	12.0	8.8	5.3	13.0	13.8	14.7

\*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.