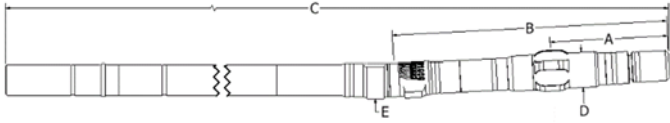


### RVPP-96: 7/8 Lobe 4.8 Stage



#### Dimensions

Bit to Stabilizer Center	A	25 in
Bit to Bend, ABH	B	93 in
Bit to Top Sub	C	411 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

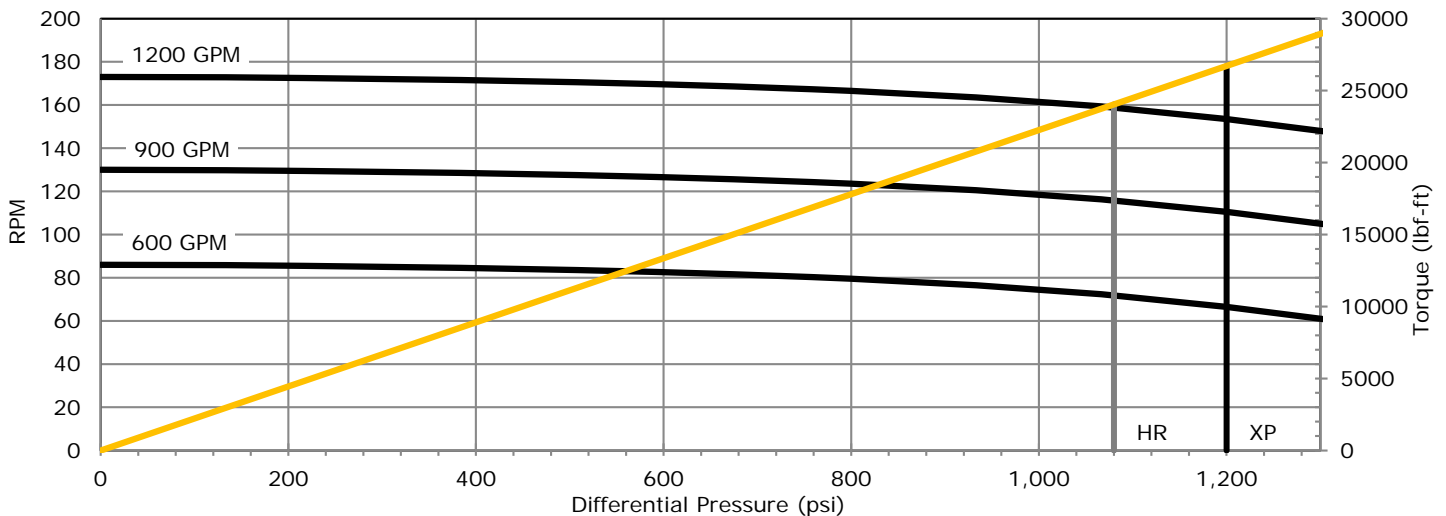
Performance Details	HR	XP
Max Diff Pressure	1080	1190 psi
Max Torque	24,050	26,460 lbf-ft
Stall Torque	36,070	39,680 lbf-ft
Rotation	0.144	0.144 rev/gal
Flow Range	600-1,200	600-1,200 gpm
Speed Range	86-180	86-180 rpm

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

Bend Setting	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>Deg</b>						
<b>0.39</b>	-	-	-	2.4	3.4	4.6
<b>0.78</b>	-	-	-	4.2	5.2	6.4
<b>1.15</b>	3.2	-	-	5.9	6.9	8.1
<b>1.50</b>	5.1	1.5	-	7.5	8.5	9.7
<b>1.83</b>	7.0	3.4	-	9.0	10.1	11.2
<b>2.12</b>	8.6	5.0	-	10.4	11.4	12.6
<b>2.38*</b>	10.1	6.5	2.5	11.6	12.6	13.7
<b>2.60*</b>	11.3	7.7	3.7	12.6	13.6	14.8
<b>2.77*</b>	12.3	8.7	4.7	13.4	14.4	15.5
<b>2.90*</b>	13.0	9.4	5.4	14.0	15.0	16.1
<b>2.97*</b>	13.4	9.8	5.8	14.3	15.3	16.5
<b>3.00*</b>	13.6	10.0	6.0	14.4	15.5	16.6

\*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.