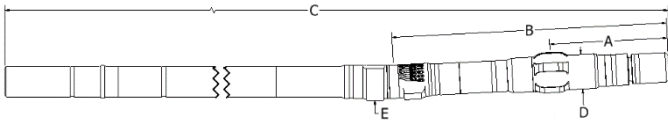


RVEN-65 : 7/8 Lobe 4.8 Stage



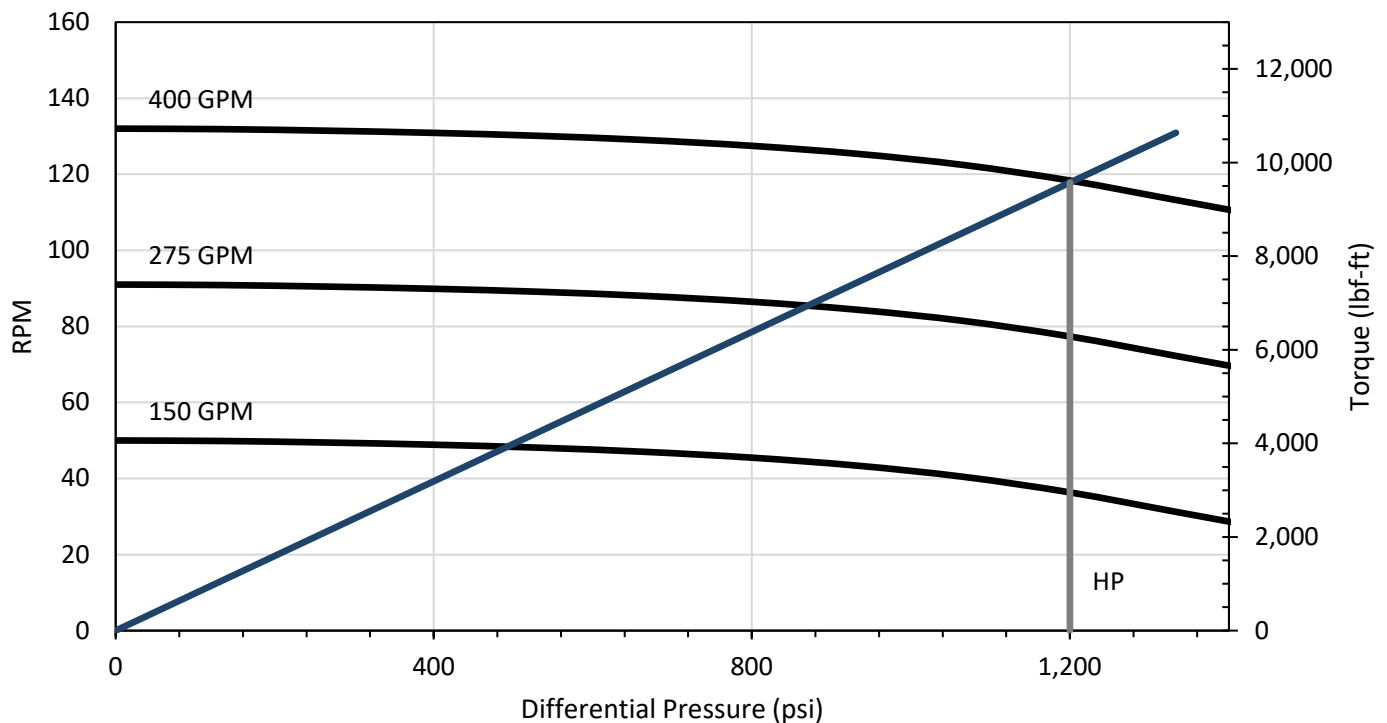
Dimensions

Bit to Stabilizer Center	A	28 in
Bit to Bend, Fixed	B	59.6 in
Bit to Top Sub	C	324 in
Body OD, Slick	D	6.5 in
Body OD, Stabilizer	D	6.5 in
Pad Radius, Fixed	E	3.38 in
Bottom Connection	4-1/2 IF Box 4-1/2 IF Pin	
Top Connection	4-1/2 XH Box	
Top Sub Float Bore	4R	

Recommended Operating Limits

Max WOB	87,000 lbf
Max Overpull, Backream	126,000 lbf
Max Overpull, Re-Run	234,000 lbf
Max Overpull, POOH	898,000 lbf

Theoretical Performance Curve



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

Predicted Build Rates (Fixed) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
	7 7/8	8 1/2	8 3/4	7 7/8	8 1/2	8 3/4
0.78	2.5	-	-	5.2	5.7	5.9
1.15	5.2	3.4	2.7	7.6	8.1	8.2
1.50	7.7	5.9	5.2	9.9	10.3	10.5
1.75	9.5	7.7	7.0	11.5	11.9	12.1
1.83	10.0	8.3	7.5	12.0	12.4	12.6
2.00	11.2	9.5	8.8	13.1	13.5	13.7
2.12	12.1	10.3	9.6	13.8	14.3	14.4
2.25*	13.0	11.2	10.5	14.7	15.1	15.3
2.38*	14.0	12.2	11.5	15.5	15.9	16.1
2.50*	14.8	13.0	12.3	16.3	16.7	16.9

*Bend Setting not recommended for Rotary Drilling

Performance Details

HP	
Max Diff Pressure	1,200 psi
Max Torque	9,570 lbf-ft
Stall Torque	14,360 lbf-ft
Rotation	0.330 rev/gal
Flow Range	150-400 gpm
Speed Range	50-132 rpm