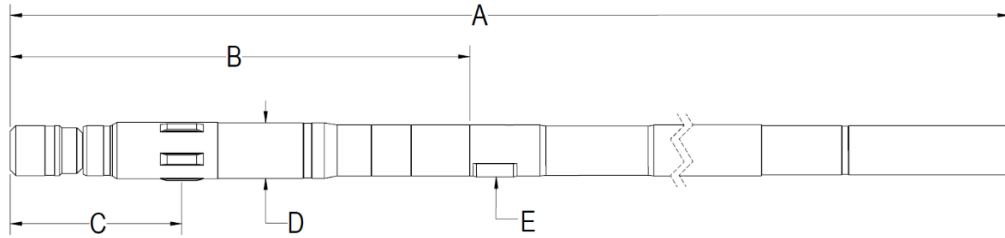


# 7-3/8" 7/8 8.5 High-Flow Motor

7.38" Bearing Assembly  
7.00" and 7.25" 7/8 8.5 Power Section



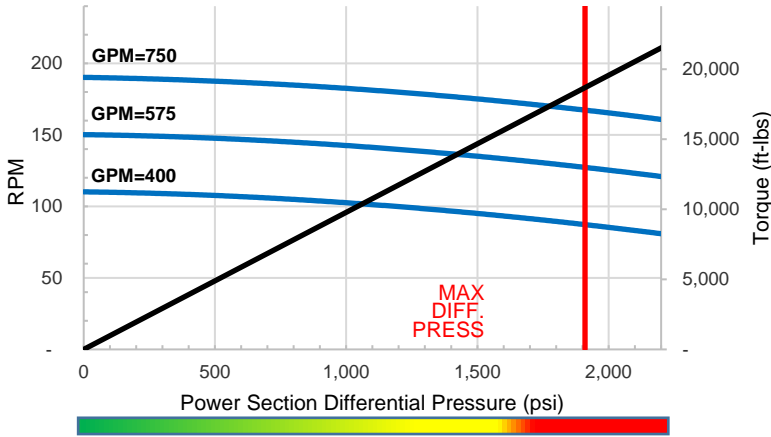
### Power Section Specifications

Flow Range	400-750	GPM
Rotation	0.26	Rev/Gal
Speed Range	104-195	RPM
Torque Slope	9.783	ft-lb/psi
Off Bottom Pressure	166	psi
Max Diff. Pressure	1910	psi
Max Torque	18,710	ft-lbs
Stall Diff. Pressure	2870	psi
Stall Torque	28,060	ft-lbs

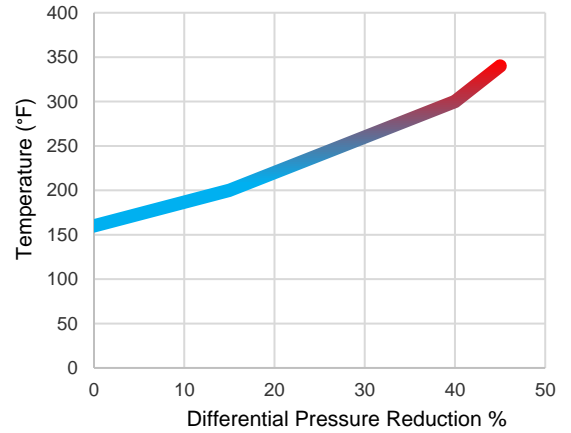
### Motor Dimensions

Overall Length	A	466	in
Bit-to-Bend (FBH)	B	63.0	in
Bit-to-Stabilizer (Center)	C	24.5	in
Maximum Motor OD	D	7.63	in
Pad Radius (FBH)	E	3.81	in
Weight		3200	lbs

7" 7/8 8.5 Power Curve



Differential Pressure Reduction Chart



Predicted Build Rates, deg/100 ft - Fixed Bent Housing

Bend Setting	Slick			Partially Stabilized			Fully Stabilized		
	Hole Size			Hole Size			Hole Size		
	8.50	8.75	9.88	8.50	8.75	9.88	8.50	8.75	9.88
1.15°	3.7	3.2	1.2	5.0	5.1	5.5	4.6	4.6	4.6
1.50°	5.4	4.9	2.8	6.7	6.8	7.2	6.3	6.3	6.3
1.75°	6.6	6.1	4.0	7.9	8.0	8.4	7.5	7.5	7.5
1.83°	6.9	6.5	4.4	8.3	8.4	8.8	7.9	7.9	7.9
2.12°	8.3	7.9	5.8	9.7	9.8	10.2	9.2	9.2	9.2
2.25°	9.0	8.5	6.4	10.3	10.4	10.8	9.9	9.9	9.9
2.38°	9.6	9.1	7.1	11.0	11.0	11.4	10.5	10.5	10.5
2.60°	10.6	10.2	8.1	12.0	12.1	12.5	11.6	11.6	11.6