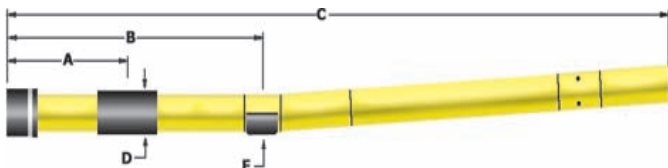




*5" (127 mm)*

*Mud Motors*



	Imperial		Metric	
<b>A.</b> Distance to stabilizer	19	inch	483	mm
<b>B.</b> Box to Bend	60	inch	1,524	mm
<b>C.</b> Overall Length	290	inch	7,366	mm
<b>D.</b> Thread Prot. Diameter	5.38	inch	137	mm
<b>E.</b> Kick Pad Diameter	5.25	inch	133	mm

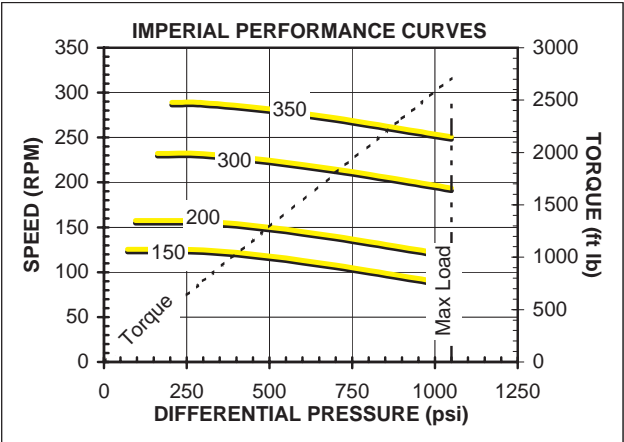
Top Connection	AS PER REQUEST				
Bottom Connection	3 1/2" Reg		3 1/2" Reg		
Weight	1,144	lb	509	daN	
Maximum Flow Rate	360	gpm	1.36	m <sup>3</sup> /min	
Maximum Torque	2,736	ft-lb	3,710	N-m	
Maximum Power	221	hp	165	kW	
Maximum Weight on bit	Dynamic	43,000	lb	19,000	daN
	Static	118,000	lb	52,000	daN
Maximum Allowable Pull	118,000	lb	52,000	daN	
Pull to Yield Motor	200,000	lb	90,000	daN	

Build Rate (degrees/100ft(30 m))		
Bend Settings (degrees)	Hole Sizes (in, mm)	
	6 1/8"	6 1/4"
	156 mm	159 mm
0.26	0.76	0.00
0.52	1.49	1.02
0.78	3.74	3.27
1.03	5.90	5.43
1.27	7.98	7.50
1.50	9.97	9.49
1.72	11.87	11.40
1.93	13.68	13.21
2.12	15.33	14.86
2.30	16.89	16.42
2.60	19.49	19.02
2.82	21.38	20.92
2.95	22.52	22.05
3.00	22.96	22.48

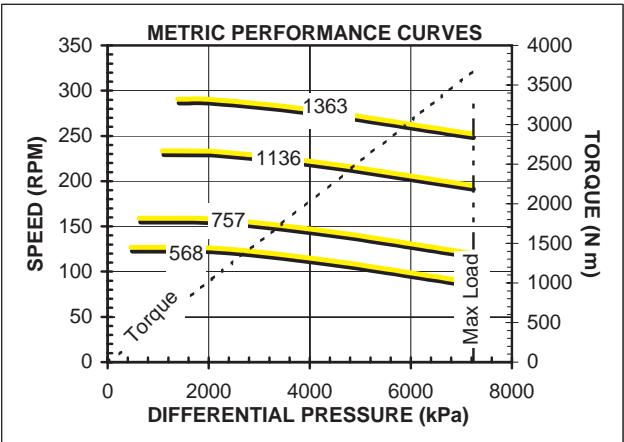
# 5" (127 mm) 6-7 6.0 Stage



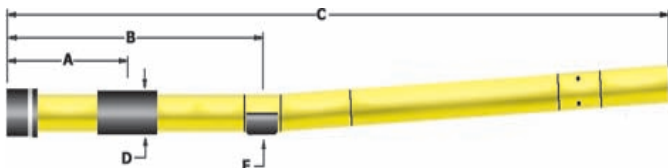
Maximum Pump Rate	350 gpm	1,363 Lpm
Revolutions per unit volume	0.817 rev/gal	0.216 rev/L
Pressure at full Load	1,047 psi	7,219 kPa
Torque at full load	2,736 ft lb	3,710 N m



Drilling Fluid Flow (GPM)	150	200	300	350
Pressure Drop Across Motor with No Load (off-bottom pressure) (PSI)	71	95	161	205
Maximum Allowable Differential Pressure (on-bottom - off-bottom pressure) (PSI)	979	955	889	845



Drilling Fluid Flow (L/min)	568	757	1136	1325
Pressure Drop Across Motor with No Load (off-bottom pressure) (kPa)	490	655	1110	1413
Maximum Allowable Differential Pressure (on-bottom - off-bottom pressure) (kPa)	6750	6584	6129	5826



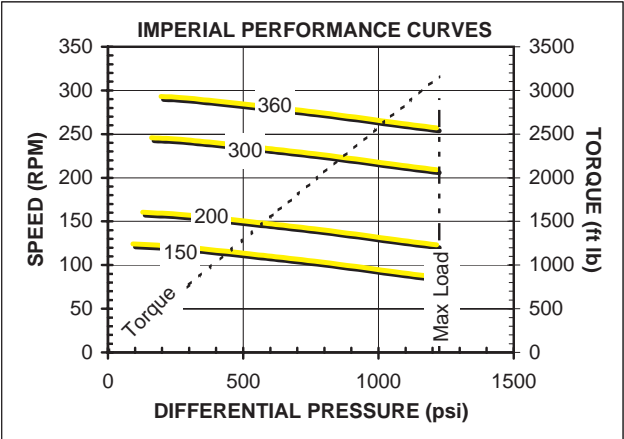
	Imperial		Metric	
<b>A.</b> Distance to stabilizer	19	inch	483	mm
<b>B.</b> Box to Bend	60	inch	1,524	mm
<b>C.</b> Overall Length	324	inch	8,230	mm
<b>D.</b> Thread Prot. Diameter	5.38	inch	137	mm
<b>E.</b> Kick Pad Diameter	5.25	inch	133	mm

Top Connection	AS PER REQUEST				
Bottom Connection	3 1/2" Reg		3 1/2" Reg		
Weight	1,182	lb	526	daN	
Maximum Flow Rate	360	gpm	1.36	m <sup>3</sup> /min	
Maximum Torque	3,265	ft-lb	4,427	N-m	
Maximum Power	257	hp	192	kW	
Maximum Weight on bit	Dynamic	43,000	lb	19,000	daN
	Static	118,000	lb	52,000	daN
Maximum Allowable Pull	118,000	lb	52,000	daN	
Pull to Yield Motor	200,000	lb	90,000	daN	

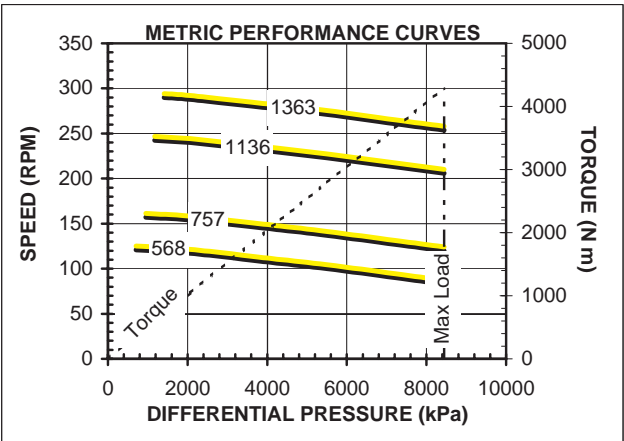
Build Rate (degrees/100ft(30 m))		
Bend Settings (degrees)	Hole Sizes (in, mm)	
	6 1/8" 156 mm	6 1/4" 159 mm
0.26	0.67	0.00
0.52	1.15	0.77
0.78	2.98	2.60
1.03	4.73	4.35
1.27	6.41	6.03
1.50	8.03	7.65
1.72	9.57	9.19
1.93	11.04	10.66
2.12	12.38	12.00
2.30	13.64	13.26
2.60	15.75	15.37
2.82	17.29	16.91
2.95	18.21	17.82
3.00	18.56	18.18

# 5" (127 mm) 6-7 7.0 Stage

Maximum Pump Rate	360 gpm	1,363 Lpm
Revolutions per unit volume	0.817 rev/gal	0.216 rev/L
Pressure at full load	1,225 psi	8,446 kPa
Torque at full load	3,262 ft lb	4,427 N m



Drilling Fluid Flow (GPM)	150	200	300	360
Pressure Drop Across Motor with No Load (off-bottom pressure) (PSI)	102	138	170	205
Maximum Allowable Differential Pressure (on-bottom - off-bottom pressure) (PSI)	1123	1087	1055	1020



Drilling Fluid Flow (L/min)	568	757	1136	1363
Pressure Drop Across Motor with No Load (off-bottom pressure) (kPa)	703	951	1172	1413
Maximum Allowable Differential Pressure (on-bottom - off-bottom pressure) (kPa)	7743	7495	7274	7033

