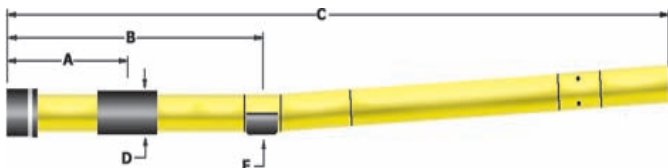




*6 1/4" (159 mm)*

*Mud Motors*



	Imperial		Metric	
<b>A.</b> Distance to stabilizer	19	inch	483	mm
<b>B.</b> Box to Bend	76	inch	1,930	mm
<b>C.</b> Overall Length	353	inch	8,966	mm
<b>D.</b> Thread Prot. Diameter	7.32	inch	186	mm
<b>E.</b> Kick Pad Diameter	7.00	inch	178	mm

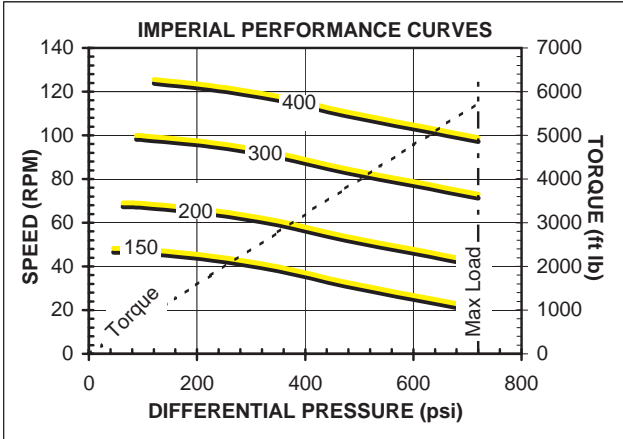
Top Connection	AS PER REQUEST				
Bottom Connection	4 1/2" Reg		4 1/2" Reg		
Weight	2,081	lb	926	daN	
Maximum Flow Rate	400	gpm	1.51	m <sup>3</sup> /min	
Maximum Torque	5,740	ft-lb	7,790	N-m	
Maximum Power	129	hp	96	kW	
Maximum Weight on bit	Dynamic	87,300	lb	38,800	daN
	Static	247,000	lb	109,000	daN
Maximum Allowable Pull	218,500	lb	97,000	daN	
Pull to Yield Motor	475,000	lb	212,000	daN	

Build Rate (degrees/100ft(30 m))				
Bend Settings (degrees)	Hole Sizes (in, mm)			
	7 7/8"	8 1/2"	8 3/4"	9 7/8"
	200 mm	216 mm	223 mm	251 mm
<b>0.26</b>	0.04	0.00	0.00	0.00
<b>0.52</b>	2.11	0.12	0.68	0.00
<b>0.78</b>	4.18	2.19	1.39	0.00
<b>1.03</b>	6.17	4.18	3.38	0.20
<b>1.27</b>	8.08	6.09	5.29	1.71
<b>1.50</b>	9.91	7.92	7.12	3.54
<b>1.72</b>	11.60	9.67	8.87	5.29
<b>1.93</b>	13.33	11.31	10.55	6.96
<b>2.12</b>	14.85	12.85	12.06	8.48
<b>2.30</b>	16.28	14.29	13.49	9.91
<b>2.60</b>	18.67	16.68	15.88	12.30
<b>2.82</b>	20.43	18.43	17.64	14.05
<b>2.95</b>	21.46	19.46	18.67	15.09
<b>3.00</b>	21.86	19.87	19.07	15.49

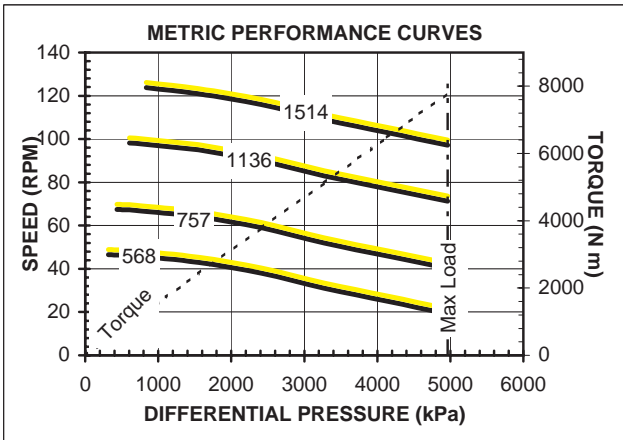
# 6 1/4" (159 mm) 7-8 4.8 Stage



Maximum Pump Rate	400	gpm	1,510	Lpm
Revolutions per unit volume	0.330	rev/gal	0.087	rev/L
Pressure at full Load	720	psi	4,960	kPa
Torque at full load	5,740	ft lb	7,790	N m



Drilling Fluid Flow (GPM)	150	200	300	400
Pressure Drop Across Motor with No Load (off-bottom pressure) (PSI)	46	63	88	121
Maximum Allowable Differential Pressure (on-bottom - off-bottom pressure) (PSI)	674	657	632	599



Drilling Fluid Flow (L/min)	568	757	1136	1514
Pressure Drop Across Motor with No Load (off-bottom pressure) (kPa)	317	434	607	834
Maximum Allowable Differential Pressure (on-bottom - off-bottom pressure) (kPa)	4647	4530	4357	4130

