

11.25 in (286mm) Bottom w/ 9.62 in (244mm) 7-8 Lobe 5.7 Stage HR MUD LUBE

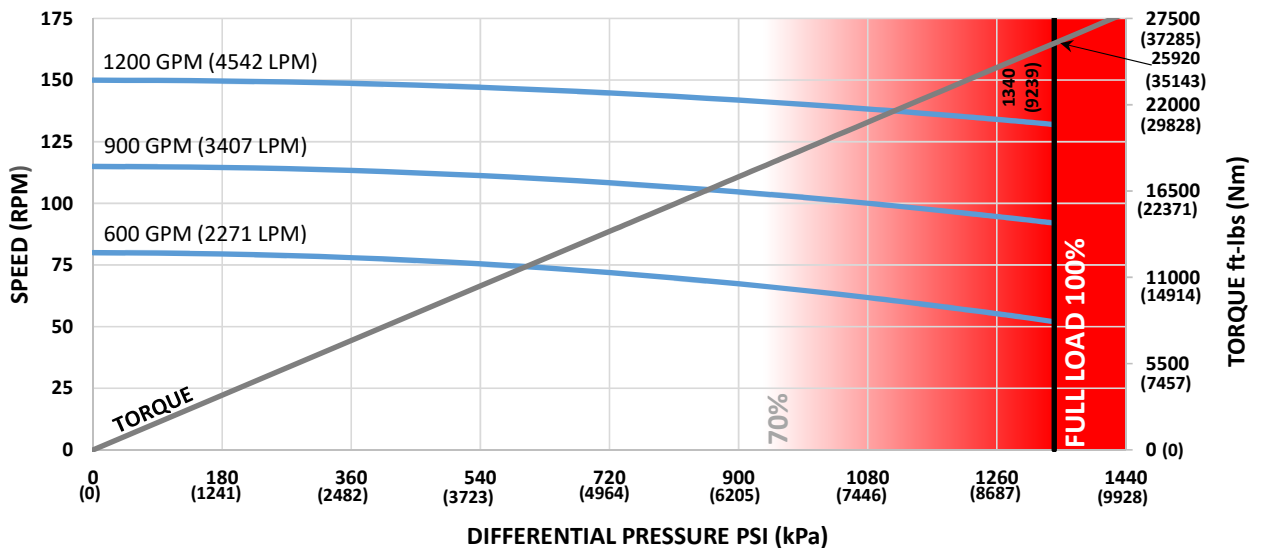


Bit Size Range	16 - 36 in	406 - 914 mm
Bit Box Connection	7-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	232226 lbf	103300 daN
Static Bearing Load On/Off Bottom	1202590 lbf	534900 daN
Max. Overpull (For Re-run)	1065400 lbf	473900 daN
Absolute Overpull	1775700 lbf	789900 daN
Adjustable Makeup Torque	75000 ft-lbs	101700 Nm
Stab/Thread Protector Makeup Torque	50000 ft-lbs	67800 Nm
A = Bit to Stabilizer (Centre)	21.935 in	0.56 m
B = Bit to Bend	Adjustable 94.8 in	2.41 m
	Fixed N/A	N/A
C = Overall (With Dump Sub)	403.9 in	10.26 m
Weight	6922 lb	3140 kg

Lobe Configuration	7-8 Lobe 5.7 Stage HR	
Displacement (No Load)	0.13 rev/gal	0.03 rev/l
Max. Differential (Full Load)	1340 psi	9239 kPa
Max. Torque	25920 ft-lbs	35143 Nm
Max. Power	651 HP	486 kW

Flow Rate		Speed
GPM	LPM	RPM
600	2271	52 - 80
900	3407	92 - 115
1200	4542	132 - 150

9.62 in (244mm) 7-8 Lobe 5.7 Stage HR



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	16 (406mm)	17-1/2 (445mm)	24 (610mm)	36 (914mm)	16 (406mm)	17-1/2 (445mm)	24 (610mm)	36 (914mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	-	-	-	-	4.4	-	-	-
0.78	-	-	-	-	6.3	7.1	-	-
1.15	1.7	-	-	-	8.2	8.9	12.2	-
1.50	3.8	1.5	-	-	9.9	10.6	14.0	-
1.83	5.9	3.5	-	-	11.5	12.3	15.6	-
2.12	7.7	5.3	-	-	12.9	13.7	17.0	-
2.38	9.3	6.9	-	-	14.2	15.0	18.3	24.4
2.60	10.7	8.3	-	-	15.3	16.0	19.4	25.5
2.77	11.7	9.4	-	-	16.1	16.9	20.2	26.3
2.90	12.5	10.2	-	-	16.7	17.5	20.8	27.0
2.97	13.0	10.6	0.4	-	17.1	17.8	21.2	27.3
3.00	13.1	10.8	0.6	-	17.2	18.0	21.3	27.4

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	16 (406mm)	17-1/2 (445mm)	24 (610mm)	36 (914mm)	16 (406mm)	17-1/2 (445mm)	24 (610mm)	36 (914mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	-	-	-	-	-	-	-	-
1.50	-	-	-	-	-	-	-	-
1.75	-	-	-	-	-	-	-	-
2.00	-	-	-	-	-	-	-	-
2.25	-	-	-	-	-	-	-	-
2.50	-	-	-	-	-	-	-	-

This information is for reference only. Build rates are theoretical calculations using three-point geometry and new motor builds. Actual rate predictions will depend on formation characteristics, bit profiles, and WOB.

For custom motor configurations and build rates, please contact your DYNOMAX office.

FISHING DIMENSIONS

USC - IMPERIAL (Lengths, Diameters = in)
SI - METRIC (Lengths = m, Diameters = mm)



EXTERNALS		USC	SI
LOWER HSG FLOW REST.	A	16.0	0.41
BEARING HOUSING START	B	24.4	0.62
STABILIZER SHOULDER	C	49.4	1.25
BEARING HOUSING END	D	65.9	1.67
BIT TO BEND (ADJUSTABLE)	E1	94.8	2.41
ADAPTOR HOUSING (ADJUSTABLE)	F1	101.9	2.59
BIT TO BEND (FIXED)	E2	--	--
ADAPTOR HSG (FIXED)	F2	--	--
STATOR START	G	124.9	3.17
STATOR END	H	364.9	9.27
OVERALL LENGTH	I	403.9	10.26
BIT BOX ϕ	J	10.50	266.7
LOWER HOUSING FLOW RESTRICTOR ϕ	K	11.25	285.8
THREAD PROTECTOR ϕ	L	12.25	311.2
BEARING HOUSING ϕ	M	11.25	285.8
KICK OR FIXED HSG ϕ	N	11.25	285.8
KICK PAD ϕ (ADJUSTABLE)	O1	11.75	298.5
KICK PAD ϕ (FIXED)	O2	--	--
ADJ MANDREL PIN ϕ	P	7.25	184.2
ADAPTOR HOUSING ϕ	Q	11.25	285.8
ADAPTOR HOUSING PIN ϕ	R	7.00	177.8
STATOR TUBE OUTER ϕ	S	9.62	244.3
STATOR TUBE INNER ϕ	T	7.88	200.2
ROTOR CATCH SUB BLADE ϕ	U	9.87	250.7
ROTOR CATCH ϕ	V	9.63	244.6



INTERNALS		USC	SI
BIT BOX	A	11.0	0.28
LOWER SHAFT FLOW RESTRICTOR DIAMETER	B	30.4	0.77
COMPRESSION NUT	C	46.4	1.18
BEARING ASSEMBLY ADAPTOR	D	58.1	1.48
BAA ADAPTOR CAP	E	80.2	2.04
ROTOR ADAPTOR CAP	F	113.6	2.89
ROTOR START	G	123.6	3.14
ROTOR	H	354.5	9.00
CATCH STEM	I	370.5	9.41
BIT BOX ϕ	J	10.50	266.7
FLOW RESTRICTOR ϕ	K	8.20	208.3
MANDREL ϕ	L	6.62	168.1
COMPRESSION NUT ϕ	M	7.94	201.7
BEARING ASSEMBLY ADAPTOR ϕ	N	8.00	203.2
DRIVESHAFT ϕ	O	3.89	98.8
ROTOR ADAPTOR ϕ	P	7.10	180.3
ROTOR MAJOR ϕ	Q	6.43	163.3
ROTOR CATCH HEAD ϕ	R	4.38	111.3

This information is for reference only. Assemblies are displayed in an "Adjustable Configuration"

Rotor Catch and Rotor Catch Float Sub Lengths may vary based on configuration, and use of Dump Subs or combination Rotor Catch and Float Housings.

If any additional information is required, please contact your local DYNOMAX office.