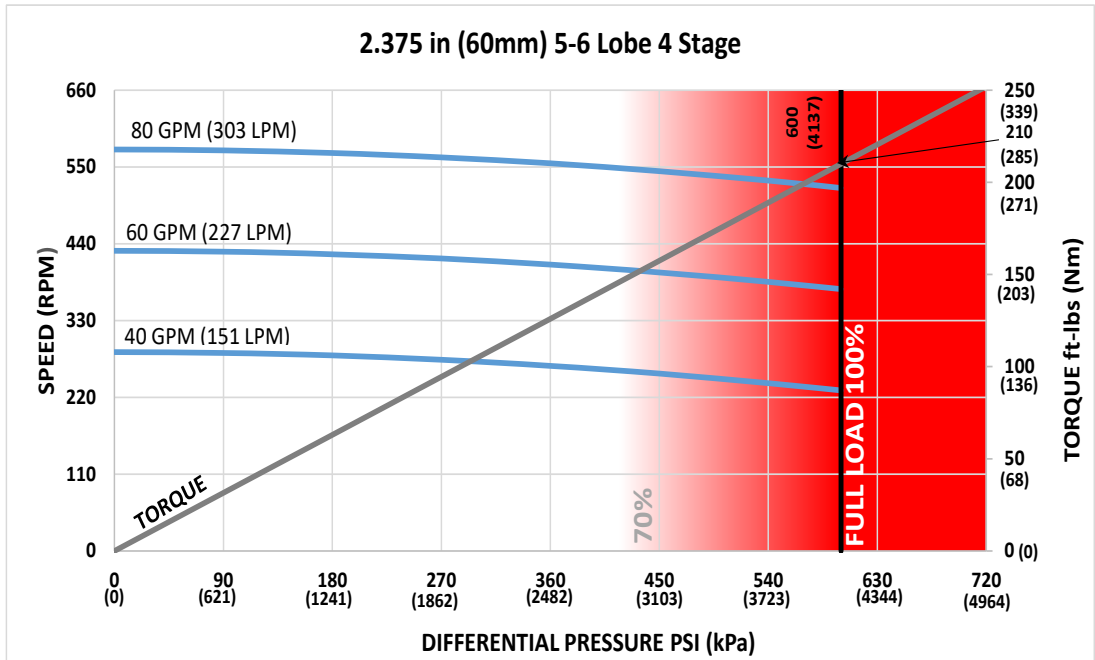




<b>Bit Size Range</b>	3 - 3-1/2 in	76 - 89 mm
<b>Bit Box Connection</b>	1-1/2 REGULAR	
<b>Dynamic Bearing Load On/Off Bottom</b>	8800 lbf	3900 daN
<b>Static Bearing Load On/Off Bottom</b>	21300 lbf	9500 daN
<b>Max. Overpull (For Re-run)</b>	20000 lbf	8900 daN
<b>Absolute Overpull</b>	118000 lbf	52500 daN
<b>Adjustable Makeup Torque</b>	1600 ft-lbs	2200 Nm
<b>Stab/Thread Protector Makeup Torque</b>	N/A	N/A
<b>A = Bit to Stabilizer (Centre)</b>	N/A	N/A
<b>B = Bit to Bend</b>	<b>Adjustable</b>	35 in / 0.89 m
	<b>Fixed</b>	35 in / 0.89 m
<b>C = Overall (With Dump Sub)</b>	133 in	3.38 m
<b>Weight</b>	122 lb	55 kg

<b>Lobe Configuration</b>	5-6 Lobe 4.0 Stage	
<b>Displacement (No Load)</b>	7.175 rev/gal	1.9 rev/l
<b>Max. Differential (Full Load)</b>	600 psi	4137 kPa
<b>Max. Torque</b>	210 ft-lbs	285 Nm
<b>Max. Power</b>	21 HP	16 kW

Flow Rate		Speed
GPM	LPM	RPM
40	151	230 - 285
60	227	375 - 430
80	303	520 - 575



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

### ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	3 (76mm)	3-1/8 (79mm)	3-1/4 (83mm)	3-1/2 (89mm)	3 (76mm)	3-1/8 (79mm)	3-1/4 (83mm)	3-1/2 (89mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	4.0	2.4	0.8	-	N/A	N/A	N/A	N/A
0.78	11.0	9.4	7.8	4.7	N/A	N/A	N/A	N/A
1.15	17.6	16.1	14.5	11.3	N/A	N/A	N/A	N/A
1.50	23.9	22.4	20.8	17.6	N/A	N/A	N/A	N/A
1.83	29.9	28.3	26.7	23.6	N/A	N/A	N/A	N/A
2.12	35.1	33.5	31.9	28.8	N/A	N/A	N/A	N/A
2.38	39.7	38.2	36.6	33.5	N/A	N/A	N/A	N/A
2.60	43.7	42.1	40.6	37.4	N/A	N/A	N/A	N/A
2.77	46.8	45.2	43.6	40.5	N/A	N/A	N/A	N/A
2.90	49.1	47.5	46.0	42.8	N/A	N/A	N/A	N/A
2.97	50.3	48.8	47.2	44.1	N/A	N/A	N/A	N/A
3.00	50.9	49.3	47.7	44.6	N/A	N/A	N/A	N/A

Note: Stabilizers are 1/8" undergauge

### FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	3 (76mm)	3-1/8 (79mm)	3-1/4 (83mm)	3-1/2 (89mm)	3 (76mm)	3-1/8 (79mm)	3-1/4 (83mm)	3-1/2 (89mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	19.4	17.9	16.3	13.1	N/A	N/A	N/A	N/A
1.50	23.9	22.4	20.8	17.6	N/A	N/A	N/A	N/A
1.75	28.4	26.8	25.3	22.1	N/A	N/A	N/A	N/A
2.00	32.9	31.3	29.8	26.6	N/A	N/A	N/A	N/A
2.25	37.4	35.8	34.3	31.1	N/A	N/A	N/A	N/A
2.50	41.9	40.3	38.8	35.6	N/A	N/A	N/A	N/A

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
END CAP	A	6.1	0.15
BEARING HOUSING	B	8.0	0.20
PISTON HOUSING	C	14.0	0.36
STABILIZER SHOULDER	D	--	--
KICK/FIXED HOUSING	E	24.5	0.62
BIT TO BEND (ADJUSTABLE)	F1	35.0	0.89
ADAPTOR HOUSING (ADJUSTABLE)	G1	40.0	1.02
BIT TO BEND (FIXED)	F2	35.0	0.89
ADAPTOR HOUSING (FIXED)	G2	40.0	1.02
STATOR START	H	51.9	1.32
STATOR END	I	123.5	3.14
OVERALL LENGTH	J	133.0	3.38
BIT BOX Ø	K	2.30	58.4
END CAP/BEARING HOUSING Ø	L	2.38	60.5
THREAD PROTECTOR Ø	M	--	--
PISTON HOUSING Ø	N	2.38	60.5
KICK/FIXED HOUSING Ø	O	2.38	60.5
PAD (ADJUSTABLE) Ø	P1	2.64	67.1
PAD (FIXED) Ø	P2	2.64	67.1
ADJUSTABLE MANDREL PIN Ø	Q	1.42	36.1
ADAPTOR HOUSING Ø	R	2.38	60.5
ADAPTOR PIN Ø	S	1.64	41.5
STATOR TUBE OUTER Ø	T	2.38	60.3
STATOR TUBE INNER Ø	U	1.87	47.5
ROTOR CATCH SUB BLADE Ø	V	2.63	66.8
ROTOR CATCH SUB Ø	W	2.38	60.5



INTERNALS		USC	SI
BIT BOX	A	5.5	0.14
THRUST SHOULDER	B	11.2	0.28
WASHPIPE START	C	13.2	0.34
HEX END	D	17.9	0.45
BEARING ASSEMBLY ADAPTOR	E	23.9	0.61
BAA CAP	F	30.4	0.77
ROTOR ADAPTOR CAP	G	48.4	1.23
ROTOR START	H	51.9	1.32
ROTOR END	I	119.9	3.05
CATCH STEM	J	--	--
BIT BOX Ø	K	2.25	57.2
MANDREL Ø	L	1.38	35.1
THRUST Ø	M	1.19	30.2
WASHPIPE LARGE Ø	N	1.38	35.1
WASHPIPE SMALL Ø	O	1.25	31.8
BEARING ASSEMBLY ADAPTOR Ø	P	1.80	45.7
DRIVESHAFT Ø	Q	0.87	22.1
ROTOR ADAPTOR Ø	R	1.70	43.2
ROTOR MAJOR DIA. Ø	S	1.46	37.0
ROTOR CATCH STEM Ø	T	--	--

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.