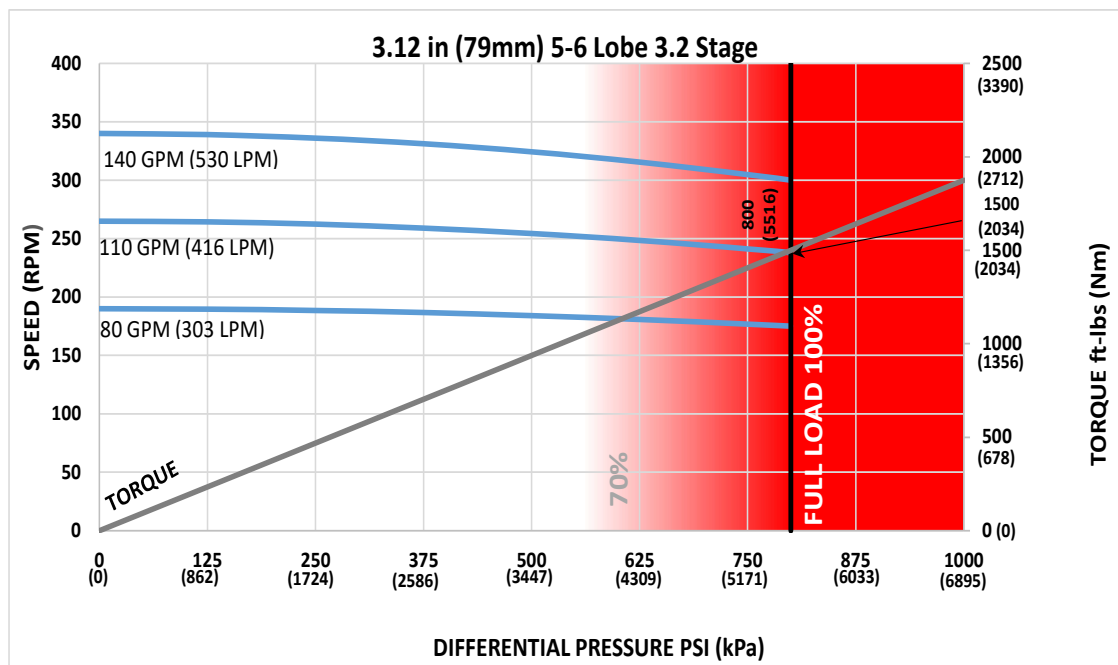




<b>Bit Size Range</b>	3-7/8 - 4-1/2 in	98 - 114 mm
<b>Bit Box Connection</b>	2-3/8 REGULAR	
<b>Dynamic Bearing Load On/Off Bottom</b>	31850 lbf	14200 daN
<b>Static Bearing Load On/Off Bottom</b>	83280 lbf	37000 daN
<b>Max. Overpull (For Re-run)</b>	78100 lbf	34700 daN
<b>Absolute Overpull</b>	130200 lbf	57900 daN
<b>Adjustable Makeup Torque</b>	3500 ft-lbs	4700 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>	Adjustable	42.6 in / 1.08 m
	Fixed	33.7 in / 0.86 m
<b>C = Overall (With Dump Sub)</b>	166.2 in	4.22 m
<b>Weight</b>	246 lb	112 kg

<b>Lobe Configuration</b>	5-6 Lobe 3.2 Stage	
<b>Displacement (No Load)</b>	2.4 rev/gal	0.63 rev/l
<b>Max. Differential (Full Load)</b>	800 psi	5516 kPa
<b>Max. Torque</b>	1500 ft-lbs	2034 Nm
<b>Max. Power</b>	86 HP	64 kW

Flow Rate		Speed
GPM	LPM	RPM
80	303	175 - 190
110	416	238 - 265
140	530	300 - 340



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

### ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	2.7	0.5	-	-	N/A	N/A	N/A	N/A
0.78	8.7	6.5	5.4	3.2	N/A	N/A	N/A	N/A
1.15	14.5	12.2	11.1	8.9	N/A	N/A	N/A	N/A
1.50	19.9	17.7	16.5	14.3	N/A	N/A	N/A	N/A
1.83	25.0	22.8	21.7	19.4	N/A	N/A	N/A	N/A
2.12	29.5	27.3	26.2	23.9	N/A	N/A	N/A	N/A
2.38	33.5	31.3	30.2	28.0	N/A	N/A	N/A	N/A
2.60	36.9	34.7	33.6	31.4	N/A	N/A	N/A	N/A
2.77	39.5	37.3	36.2	34.0	N/A	N/A	N/A	N/A
2.90	41.6	39.3	38.2	36.0	N/A	N/A	N/A	N/A
2.97	42.6	40.4	39.3	37.1	N/A	N/A	N/A	N/A
3.00	43.1	40.9	39.8	37.6	N/A	N/A	N/A	N/A

Note: Stabilizers are 1/8" undergauge

### FBH BUILD RATE

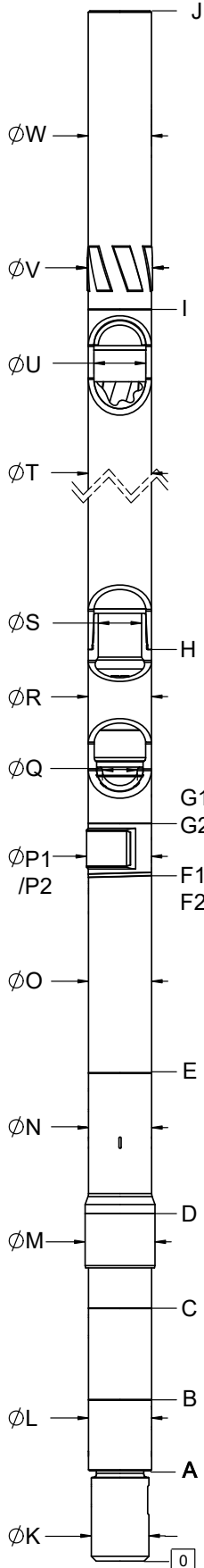
Hole Size	SLICK				STABILIZED			
	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	15.0	12.3	10.9	8.2	N/A	N/A	N/A	N/A
1.50	18.8	16.1	14.8	12.1	N/A	N/A	N/A	N/A
1.75	22.7	20.0	18.7	16.0	N/A	N/A	N/A	N/A
2.00	26.6	23.9	22.5	19.8	N/A	N/A	N/A	N/A
2.25	30.5	27.8	26.4	23.7	N/A	N/A	N/A	N/A
2.50	34.3	31.6	30.3	27.6	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	5.0	0.13
BEARING HOUSING	B	8.2	0.21
PISTON HOUSING	C	13.5	0.34
STABILIZER SHOULDER	D	--	--
KICK/FIXED HOUSING	E	28.7	0.73
BIT TO BEND (ADJUSTABLE)	F1	42.6	1.08
ADAPTOR HOUSING (ADJUSTABLE)	G1	47.4	1.20
BIT TO BEND (FIXED)	F2	33.7	0.86
ADAPTOR HOUSING (FIXED)	G2	47.4	1.20
STATOR START	H	59.7	1.52
STATOR END	I	143.7	3.65
OVERALL LENGTH	J	166.2	4.22
BIT BOX Ø	K	3.09	78.5
END CAP/BEARING HOUSING Ø	L	3.12	79.2
THREAD PROTECTOR Ø	M	--	--
PISTON HOUSING Ø	N	3.12	79.2
KICK/FIXED HOUSING Ø	O	3.12	79.2
PAD (ADJUSTABLE) Ø	P1	3.38	85.9
PAD (FIXED) Ø	P2	3.38	85.9
ADJUSTABLE MANDREL PIN Ø	Q	1.82	46.2
ADAPTOR HOUSING Ø	R	3.12	79.2
ADAPTOR PIN Ø	S	2.25	57.2
STATOR TUBE OUTER Ø	T	3.13	79.5
STATOR TUBE INNER Ø	U	2.63	66.8
ROTOR CATCH SUB BLADE Ø	V	3.38	85.9
ROTOR CATCH SUB Ø	W	3.13	79.5



INTERNALS		USC	SI
BIT BOX	A	4.5	0.11
THRUST SHOULDER	B	9.9	0.25
WASHPIPE START	C	12.1	0.31
HEX END	D	17.1	0.43
BEARING ASSEMBLY ADAPTOR	E	28.1	0.71
BAA CAP	F	35.6	0.90
ROTOR ADAPTOR CAP	G	54.0	1.37
ROTOR START	H	59.6	1.51
ROTOR END	I	139.6	3.55
CATCH STEM	J	149.1	3.79
BIT BOX Ø	K	3.09	78.5
MANDREL Ø	L	2.25	57.2
THRUST Ø	M	1.63	41.4
WASHPIPE LARGE Ø	N	2.13	54.1
WASHPIPE SMALL Ø	O	1.75	44.5
BEARING ASSEMBLY ADAPTOR Ø	P	2.35	59.7
DRIVESHAFT Ø	Q	1.06	26.9
ROTOR ADAPTOR Ø	R	2.35	59.7
ROTOR MAJOR DIA. Ø	S	2.10	53.3
ROTOR CATCH STEM Ø	T	1.70	43.2

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.