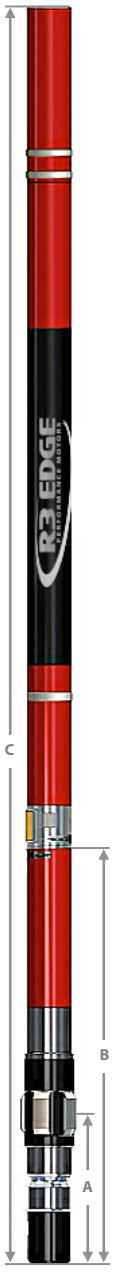
4.75" (121 mm) | 5.00" (127 mm) 7837 CONFIGURATION

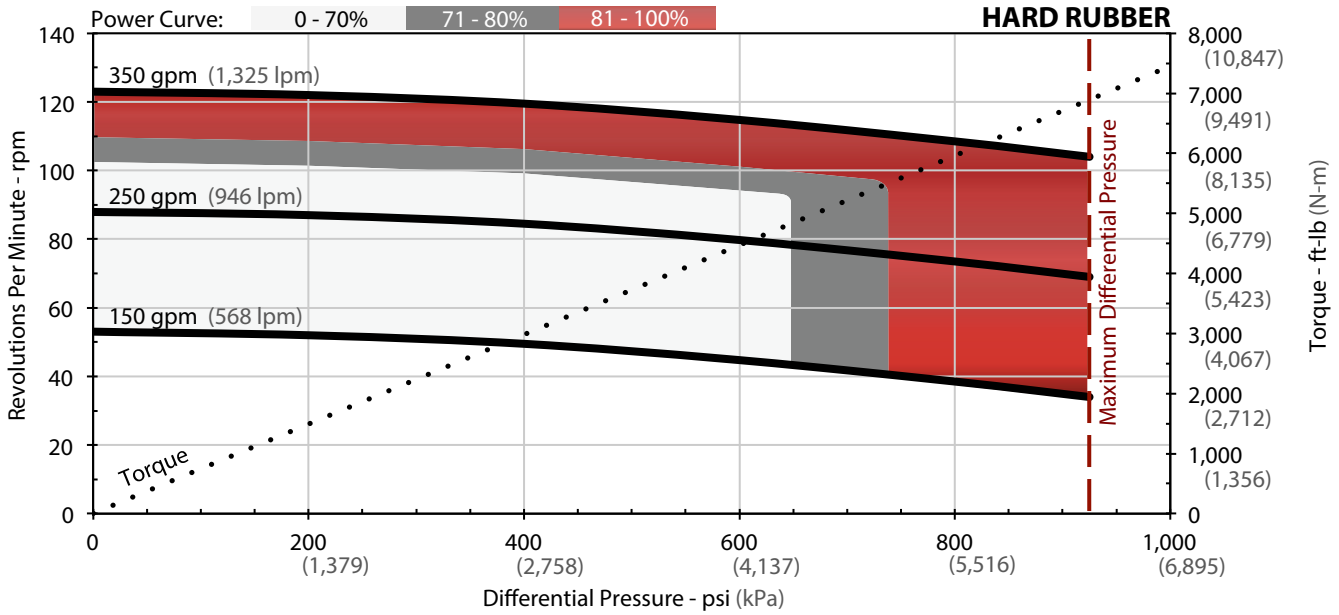
R3 EDGE PERFORMANCE MOTORS

SPECIFICATIONS	IMPERIAL	METRIC
Maximum Differential Pressure	925 psi	(6,380 kPa)
Torque at Maximum Differential	6,895 ft-lb	(9,350 N-m)
Stall Torque	10,340 ft-lb	(14,020 N-m)
Flow Range	150 - 350 gpm	(568 - 1,325 lpm)
RPM Ratio	0.35 Revolutions / g	(0.09 Revolutions / l)
RPM Range	53 - 123 rpm	(53 - 123 rpm)
Recommended Hole Sizes	6.00 - 6.75 in	(152 - 171 mm)
Maximum Weight on Bit	77,000 lb	(34,300 daN)
Maximum Overpull (Static)	212,000 lb	(94,300 daN)
Overall Weight	1,265 lb	(574 kg)

LENGTH	IMPERIAL	METRIC
(A) to Stabilizer	13.50 in	(0.34 m)
(B) to Adj. Bend	54.76 in	(1.39 m)
(B) to Fixed Bend	48.00 in	(1.22 m)
(C) Overall	331.51 in	(8.42 m)

ADJUSTABLE	IMPERIAL	METRIC
Make-Up Value	12,000 ft-lb	(16,300 N-m)





0 - 3° ADJUSTABLE

Degrees / 100 ft (30 m)

BEND	6.00" HOLE SIZE		6.25" HOLE SIZE		6.75" HOLE SIZE	
	SLICK	1 STAB	SLICK	1 STAB	SLICK	1 STAB
0.39°	1.5	2.5	0.2	2.6	-	3.0
0.78°	4.0	5.0	2.7	5.2	0.2	5.5
1.15°	6.4	7.4	5.1	7.6	2.6	7.9
1.50°	8.7	9.7	7.4	9.9	4.9	10.2
1.83°	10.8	11.9	9.6	12.0	7.1	12.4
2.12°	12.7	13.7	11.5	13.9	8.9	14.3
2.38°	14.4	15.4	13.2	15.6	10.6	15.9
2.60°	15.9	16.9	14.6	17.0	12.1	17.4
2.77°	17.0	18.0	15.7	18.2	13.2	18.5
2.90°	17.8	18.8	16.6	19.0	14.0	19.3
2.97°	18.3	19.3	17.0	19.5	14.5	19.8
3.00°	18.5	19.5	17.2	19.7	14.7	20.0

PREDICTED BUILDS

FIXED HOUSING

Degrees / 100 ft (30 m)

BEND	6.00" HOLE SIZE		6.25" HOLE SIZE		6.75" HOLE SIZE	
	SLICK	1 STAB	SLICK	1 STAB	SLICK	1 STAB
1.50°	8.9	9.9	7.7	10.1	5.1	10.4
1.75°	10.6	11.6	9.3	11.8	6.8	12.1
1.90°	11.6	12.6	10.3	12.8	7.8	13.1
2.00°	12.3	13.3	11.0	13.4	8.5	13.8
2.12°	13.1	14.1	11.8	14.3	9.3	14.6
2.25°	13.9	15.0	12.7	15.1	10.2	15.5
2.50°	15.6	16.6	14.4	16.8	11.8	17.1
2.60°	16.3	17.3	15.0	17.5	12.5	17.8

PREDICTED BUILDS

Figures are for reference only. Stabilized build rates assume a lower stabilizer 0.125" undergauge. Actual performance may vary based on tool and operating conditions. Refer to temperature and mud scaling curves for optimal performance and reliability. Rotating above 1.50° may cause damage to the performance motor at certain RPM's. Running above 80% will be done so at client's risk. Contact your R3 EDGE representative to confirm ideal operating specifications. Updated July 2014.