6.50" (165 mm) | 6.75" (171 mm) 7850 CONFIGURATION

TEXAS PRO DYNO EDGE

SPECIFICATIONS

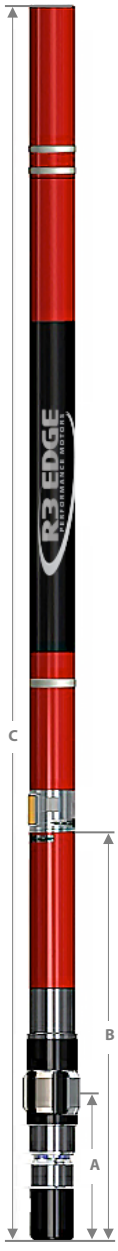
	IMPERIAL	METRIC
Maximum Differential Pressure	1,130 psi	(7,790 kPa)
Torque at Maximum Differential	10,460 ft-lb	(14,180 N-m)
Stall Torque	15,690 ft-lb	(21,270 N-m)
Flow Range	300 - 600 gpm	(1,136 - 2,271 lpm)
RPM Ratio	0.29 Revolutions / g	(0.08 Revolutions / l)
RPM Range	86 - 173 rpm	(86 - 173 rpm)
Recommended Hole Sizes	7.875 - 8.75 in	(200 - 222 mm)
Maximum Weight on Bit	105,000 lb	(46,700 daN)
Maximum Overpull (Static)	479,000 lb	(213,100 daN)
Overall Weight	2,281 lb	(1,035 kg)

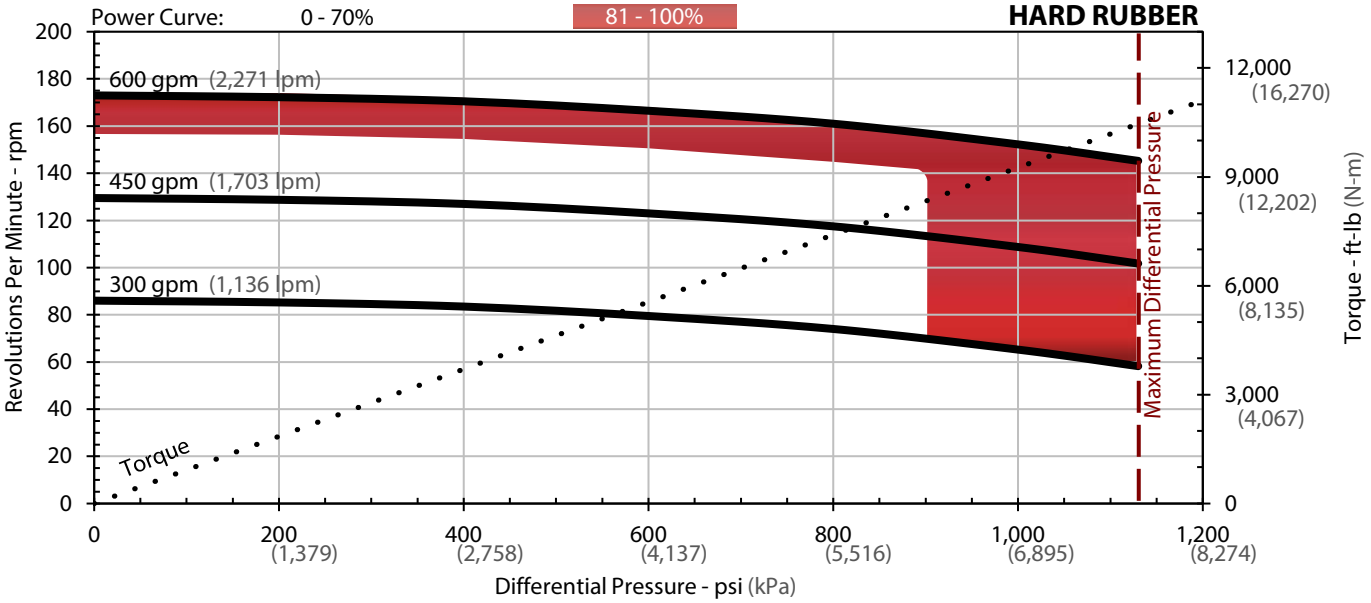
LENGTH

	IMPERIAL	METRIC
(A) to Stabilizer	15.10 in	(0.38 m)
(B) to Adj. Bend	56.70 in	(1.44 m)
(B) to Fixed Bend	53.50 in	(1.36 m)
(C) Overall	315.04 in	(8.00 m)

ADJUSTABLE

	IMPERIAL	METRIC
Make-Up Value	30,000 ft-lb	(40,700 N-m)





0 - 3° ADJUSTABLE

Degrees / 100 ft (30 m)

BEND	7.875" HOLE SIZE		8.50" HOLE SIZE		8.75" HOLE SIZE	
	SLICK	1 STAB	SLICK	1 STAB	SLICK	1 STAB
0.39°	0.9	2.7	-	3.1	-	3.3
0.78°	4.2	5.6	2.2	6.0	1.4	6.2
1.15°	7.2	8.3	5.3	8.7	4.5	8.9
1.50°	10.2	10.8	8.2	11.3	7.4	11.5
1.83°	12.9	13.3	11.0	13.7	10.2	13.9
2.12°	15.4	15.4	13.4	15.8	12.6	16.0
2.38°	17.5	17.3	15.6	17.7	14.8	17.9
2.60°	19.4	18.9	17.4	19.4	16.6	19.5
2.77°	20.8	20.2	18.8	20.6	18.1	20.8
2.90°	21.9	21.1	19.9	21.6	19.2	21.7
2.97°	22.5	21.6	20.5	22.1	19.7	22.2
3.00°	22.7	21.8	20.8	22.3	20.0	22.5

PREDICTED

FIXED HOUSING

Degrees / 100 ft (30 m)

BEND	7.875" HOLE SIZE		8.50" HOLE SIZE		8.75" HOLE SIZE	
	SLICK	1 STAB	SLICK	1 STAB	SLICK	1 STAB
1.50°	10.4	11.0	8.4	11.4	7.6	11.6
1.75°	12.5	12.8	10.5	13.2	9.7	13.4
1.90°	13.8	13.9	11.7	14.4	10.9	14.5
2.00°	14.6	14.7	12.6	15.1	11.8	15.3
2.12°	15.6	15.6	13.6	16.0	12.8	16.2
2.25°	16.7	16.5	14.7	17.0	13.9	17.1
2.50°	18.8	18.4	16.8	18.8	15.9	19.0
2.60°	19.6	19.1	17.6	19.6	16.8	19.7

PREDICTED

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.