

BUILT TO OUTPERFORM IN TODAY'S MOST CHALLENGING DRILLING ENVIRONMENTS

The nDURANCE® motor series patented design delivers increased torque capabilities, proven reliability and outstanding drilling performance.

With established success in the most demanding areas of Western Canada and the United States, the nDURANCE drilling motor series has proven to increase rate of penetration (ROP), enhance bit life and significantly reduce well costs.



Size (in)	Model	Name	Power Section Performance					
			Flow Range (m ³ /min) MIN	Flow Range (m ³ /min) MAX	Speed Ratio (Rev/m ³)	Max Differential Pressure (kPa)	Max Operating Torque (Nm)	Torque Slope (Nm/kPa)
5.00"	9/10 Lobe 2.1 Stage	5.00" 9/10 Lobe 2.1 Stage	0.57	1.14	0.046	3,450	9,836	2.851
5.00"	7/8 Lobe 2.6 Stage	5.00" 7/8 Lobe 2.6 Stage	0.57	1.14	0.069	4,250	7,480	1.760
5.00"	7/8 Lobe 3.7 Stage	5.00" 7/8 Lobe 3.7 Stage	0.57	1.32	0.097	6,000	8,142	1.357
5.00"	8/9 Lobe 6.0 Stage	5.00" 8/9 Lobe 6.0 Stage	0.76	1.32	0.135	9,750	9,399	0.964
5.00"	REACT 520	5.00" REACT 520	0.57	1.14	0.138	6,200	6,343	1.023
5.00"	7/8 Lobe 3.8 Stage	5.00" 7/8 Lobe 3.8 Stage	0.57	1.14	0.138	6,200	6,343	1.023
5.00"	7/8 Lobe 5.7 Stage	5.00" 7/8 Lobe 5.7 Stage	0.76	1.40	0.138	9,250	8,390	0.907
5.00"	5/6 Lobe 6.7 Stage	5.00" 5/6 Lobe 6.7 Stage	0.57	1.42	0.166	10,900	8,622	0.791
5.00"	7/8 Lobe 6.4 Stage	5.00" 7/8 Lobe 6.4 Stage	0.57	1.14	0.166	10,400	7,571	0.728
5.00"	7/8 Lobe 8.2 Stage	5.00" 7/8 Lobe 8.2 Stage	0.57	1.32	0.185	13,300	9,496	0.714
5.00"	REACT 800	5.00" REACT 800	0.57	1.32	0.214	11,350	7,094	0.625
5.00"	6/7 Lobe 7.0 Stage	5.00" 6/7 Lobe 7.0 Stage	0.57	1.32	0.214	11,350	7,094	0.625
5.00"	6/7 Lobe 8.0 Stage	5.00" 6/7 Lobe 8.0 Stage	0.57	1.32	0.214	13,000	8,125	0.625
5.00"	6/7 Lobe 11.7 Stage	5.00" 6/7 Lobe 11.7 Stage	0.57	1.32	0.235	19,000	10,317	0.543
5.00"	5/6 Lobe 8.3 Stage	5.00" 5/6 Lobe 8.3 Stage	0.57	1.14	0.264	13,450	6,819	0.507
5.00"	4/5 Lobe 6.3 Stage	5.00" 4/5 Lobe 6.3 Stage	0.57	1.14	0.267	10,250	5,238	0.511
5.00"	REACT 1050	5.00" REACT 1050	0.57	1.32	0.277	15,100	7,248	0.480

Size (in)	Model	Name	Power Section Performance					
			Flow Range (m3/min) MIN	Flow Range (m3/min) MAX	Speed Ratio (Rev/m3)	Max Differential Pressure (kPa)	Max Operating Torque (Nm)	Torque Slope (Nm/kPa)
5.00"	Hummingbird	5.00" Hummingbird	0.57	1.32	0.98	16,250	3,981	0.245
5.15"	Claw 480	5.15" Claw 480	0.76	1.52	0.127	13,450	12,644	0.940
5.15"	Claw 640 ERT	5.15" Claw 640 ERT	0.76	1.52	0.169	12,650	10,641	0.841
5.15"	Claw 640	5.15" Claw 640	0.76	1.52	0.169	14,300	10,439	0.730
5.15"	Claw 700	5.15" Claw 700	0.57	1.32	0.182	13,300	9,310	0.700
5.15"	Claw 750	5.15" Claw 750	0.76	1.52	0.198	17,700	11,349	0.641
5.15"	Claw 850	5.15" Claw 850	0.76	1.52	0.216	16,250	10,074	0.620
5.15"	Claw 1000	5.15" Claw 1000	0.76	1.52	0.264	16,700	8,517	0.510
5.25"	Claw 520	5.25" Claw 520	0.76	1.61	0.137	13,800	14,380	1.042
5.25"	Claw 650	5.25" Claw 650	0.57	1.52	0.172	15,400	11,654	0.757
5.62"	Claw 650	5.62" Claw 650	0.57	1.52	0.172	15,400	11,654	0.757
6.50"	REACT 330	6.50" REACT 330	0.76	1.89	0.087	7,800	12,238	1.569
6.50"	7/8 Lobe 4.8 Stage	6.50" 7/8 Lobe 4.8 Stage	0.76	1.89	0.087	7,800	12,238	1.569
6.50"	6/7 Lobe 5.0 Stage	6.50" 6/7 Lobe 5.0 Stage	0.76	1.89	0.09	9,750	14,596	1.497
6.50"	Hummingbird	6.50" Hummingbird	1.00	2.50	0.44	7,650	2,762	0.361
6.60"	Claw 410	6.60" Claw 410	1.23	2.75	0.108	13,150	16,438	1.250
6.75"	7/8 Lobe 3.0 Stage (Slow)	6.75" 7/8 Lobe 3.0 Stage (Slow)	1.14	2.27	0.041	4,900	15,415	3.146
6.75"	7/8 Lobe 5.7 Stage	6.75" 7/8 Lobe 5.7 Stage	1.14	2.27	0.064	9,250	19,462	2.104
6.75"	REACT 270	6.75" REACT 270	1.14	2.27	0.071	8,150	14,523	1.782
6.75"	7/8 Lobe 5.0 Stage	6.75" 7/8 Lobe 5.0 Stage	1.14	2.27	0.071	8,150	14,523	1.782
6.75"	7/8 Lobe 6.0 Stage	6.75" 7/8 Lobe 6.0 Stage	1.14	2.27	0.071	9,750	17,375	1.782
6.75"	7/8 Lobe 6.4 Stage	6.75" 7/8 Lobe 6.4 Stage	1.14	2.27	0.076	10,400	19,022	1.829
6.75"	4/5 Lobe 7.0 Stage	6.75" 4/5 Lobe 7.0 Stage	1.14	2.27	0.131	11,350	1,487	0.131
7.00"	Claw 250	7.00" Claw 250	1.23	2.75	0.066	13,450	26,057	1.937
7.00"	Claw 350	7.00" Claw 350	1.14	2.46	0.092	10,800	18,882	1.748
7.00"	Claw 400	7.00" Claw 400	1.14	2.75	0.106	15,250	17,927	1.176
8.00"	7/8 Lobe 3.0 Stage	8.00" 7/8 Lobe 3.0 Stage	1.51	3.41	0.041	4,900	15,195	3.101
8.00"	7/8 Lobe 4.0 Stage	8.00" 7/8 Lobe 4.0 Stage	1.51	3.41	0.041	6,500	20,157	3.101
8.00"	7/8 Lobe 5.9 Stage	8.00" 7/8 Lobe 5.9 Stage	1.51	3.41	0.041	9,600	29,770	3.101
9.62"	6/7 Lobe 5.0 Stage	9.62" 6/7 Lobe 5.0 Stage	2.27	4.54	0.033	8,150	33,831	4.151
9.62"	5/6 Lobe 5.0 Stage	9.62" 5/6 Lobe 5.0 Stage	2.27	4.54	0.036	8,150	34,434	4.225
9.62"	3/4 Lobe 6.0 Stage	9.62" 3/4 Lobe 6.0 Stage	2.27	4.54	0.058	9,750	24,443	2.507



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