

Motor Specifications Summary Table

Motor Size	Lobe Ratio	No. of Stages	Length	Weight (lbs.)	Max. Flow (gpm)	Max. RPM (off bottom)	Max. Rec. Diff. Press. (psi)	Optimum Diff. Press. (psi)	Max. Rec. Bit Press. Drop (psi)	Full Load Torque (ft-lbs.)	Torque Diff. Press. Ratio	Max. Rec. WOB (lbs.)	Overpull To Yield Motor (lbs.)	Rec. Hole Size (in.)
3.50"	4:5	5.0	14' 4"	420	125	395	650	100-500	500	580	0.9	10,000	75,000	4 1/16 -4 3/4
3.50" XT	7:8	4.3	15' 11"	460	125	230	690	100-550	500	1000	1.4	10,000	75,000	4 1/16 -4 3/4
3.75"	1:2	4.4	21' 3"	550	150	630	480	100-400	500	345	0.7	15,000	90,000	4 3/4"-5 7/8"
3.75"	4:5	3.5	16' 9"	510	160	260	410	100-320	500	720	1.8	15,000	90,000	4 3/4"-5 7/8"
3.75"	7:8	2.3	16' 9"	530	175	155	225	100-200	500	680	3.0	15,000	90,000	4 3/4"-5 7/8"
3.75" Air	7:8	2.3	16' 9"	530	1316 CFM	155	225	100-200	500	680	3.0	15,000	90,000	4 3/4"-5 7/8"
3.75" SR	7:8	3.5	11' 7"	440	200	380	410	100-310	500	560	1.4	15,000	90,000	4 3/4"-5 7/8"
4.75"	1:2	3.0	19' 8"	825	200	460	310	100-275	750	405	1.3	20,000	120,000	5 7/8"-7 7/8"
4.75"	4:5	3.5	16' 6"	700	325	330	400	100-345	750	1185	3.0	20,000	120,000	5 7/8"-7 7/8"
4.75" ERT*	4:5	3.6	23' 6"	1015	300	320	See Graph	See Spec. Sheet	750	4000	Nonlinear	20,000	120,000	5 7/8"-7 7/8"
4.75" XT	4:5	6.0	22' 4"	975	325	330	775	100-600	750	2100	2.7	20,000	120,000	5 7/8"-7 7/8"
4.75" SR	7:8	2.0	20' 11"	530	275	280	190	100-150	750	490	2.6	20,000	120,000	5 7/8"-7 7/8"
4.75" Air	7:8	2.0	20' 7"	975	2632 CFM	115	170	50-150	750	1350	7.9	20,000	120,000	5 7/8"-7 7/8"
4.75"	7:8	2.2	17' 5"	700	325	175	235	100-200	750	1170	5.0	20,000	120,000	5 7/8"-7 7/8"

XT - Extended SR - Short Radius SE - Super Extended Thunder Motor (ERT) - Even Rubber Thickness *ERT is a trademark of R&M Energy Systems

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Motor Size	Lobe Ratio	No. of Stages	Length (in.)	Weight (lbs.)	Max. Flow (gpm)	Max. RPM (off bottom)	Max. Rec. Diff. Press. (psi)	Optimum Diff. Press. (psi)	Max. Rec. Bit Press. Drop (psi)	Full Load Torque (ft-lbs.)	Torque Diff. Press. Ratio	Max. Rec. WOB (lbs.)	Overpull To Yield Motor (lbs.)	Rec. Hole Size (in.)
4.75" XT	7:8	3.8	23' 4"	1000	325	190	400	100-300	750	1800	4.5	20,000	120,000	5 7/8"-7 7/8"
4.75" SE	1:2	7.6	25' 2"	950	250	810	860	100-650	750	800	0.9	20,000	120,000	5 7/8"-7 7/8"
4.75" SR	7:8	2.0	13' 2"	700	200	205	210	100-175	750	550	2.6	20,000	120,000	5 7/8"-7 7/8"
6.25 " XT	7:8	4.8	27' 8"	1600	400	135	680	100-575	1000	5300	7.8	40,000	160,000	7 7/8"-8 3/4"
6.50"	1:2	3.0	23'	1700	500	485	275	100-225	1000	860	3.1	50,000	210,000	7 7/8"-9 7/8"
6.50"	4:5	4.8	21'	1600	700	350	575	100-450	1000	3250	5.7	50,000	210,000	7 7/8"-9 7/8"
6.50" XT	4:5	7.0	26' 8"	2000	700	348	875	100-650	1000	5100	5.8	50,000	210,000	7 7/8"-9 7/8"
6.50" ERT*	6:7	2.2	25' 8"	1900	500	117	See Graph	See Spec. Sheet	1000	9500	Nonlinear	50,000	210,000	7 7/8"-9 7/8"
6.50" ERT*	6:7	2.7	28' 5"	2150	500	112	See Graph	See Spec. Sheet	1000	11500	Nonlinear	50,000	210,000	7 7/8"-9 7/8"
6.50" ERT*	6:7	3.1	19' 11"	1500	650	240	See Graph	See Spec. Sheet	1000	9000	Nonlinear	50,000	210,000	7 7/8"-9 7/8"
6.50"	7:8	2.0	22'	1790	700	108	212	100-150	1000	3700	17.5	50,000	210,000	7 7/8"-9 7/8"
6.50" Air	7:8	2.0	23' 4"	2050	3008 CFM	57	225	50-200	1000	4200	18.7	50,000	210,000	7 7/8"-9 7/8"
6.50"	7:8	3.0	21'	1600	700	198	375	100-300	1000	3200	8.5	50,000	210,000	7 7/8"-9 7/8"
6.50" SE	7:8	3.3	29' 8"	1600	700	99	410	100-310	1000	7800	19.0	50,000	210,000	7 7/8"-9 7/8"

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6.50" Air	7:8	3.3	29' 8"	2660	3000 CFM	57	450	100-375	1000	8200	18.2	50,000	210,000	7 7/8"-9 7/8"
6.50" XT	7:8	5.0	25' 5"	2050	700	195	675	100-575	1000	6400	9.5	50,000	210,000	7 7/8"-9 7/8"
6.50"	8:9	3.0	19'	1600	500	122	410	100-310	1000	4400	10.7	50,000	210,000	7 7/8"-9 7/8"
6.75"	1:2	3.0	23'	1900	500	485	275	100-225	1000	860	3.1	50,000	210,000	8 1/2"-9 7/8"
6.75"	4:5	4.8	21'	1785	700	350	575	100-450	1000	3250	5.7	50,000	210,000	8 1/2"-9 7/8"
6.75" XT	4:5	7.0	26' 8"	2240	700	348	875	100-650	1000	5100	5.8	50,000	210,000	8 1/2"-9 7/8"
6.75" Air	7:8	2.0	23' 4"	2260	3008 CFM	57	225	50-200	1000	4200	18.7	50,000	210,000	8 1/2"-9 7/8"
6.75"	7:8	3.0	21'	1750	700	198	375	100-300	1000	3200	8.5	50,000	210,000	8 1/2"-9 7/8"
6.75" SE	7:8	3.3	29' 8"	1860	700	99	410	100-310	1000	7800	19.0	50,000	210,000	8 1/2"-9 7/8"
6.75" Air	7:8	3.3	29' 8"	2930	3000 CFM	57	450	100-375	1000	8200	18.2	50,000	210,000	8 1/2"-9 7/8"
6.75" XT	7:8	5.0	25' 5"	2270	700	195	675	100-575	1000	6400	9.5	50,000	210,000	8 1/2"-9 7/8"
6.75"	8:9	3.0	19'	1770	500	122	410	100-310	1000	4400	10.7	50,000	210,000	8 1/2"-9 7/8"
7.25" SE	7:8	7.7	33' 6"	2800	750	230	1100	100-850	1000	9600	8.7	50,000	220,000	8 1/2"-9 7/8"
7.75" XT	4:5	5.3	31'	3725	1000	250	640	100-550	1000	7100	11.1	65,000	240,000	9 1/2"-13 1/2"

XT - Extended

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SE - Super Extended

Thunder Motor (ERT) - Even Rubber Thickness

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7.75"	7:8	3.0	25' 5"	3250	1000	162	320	100-250	1000	5200	16.3	65000.0	240,000	9 1/2"-13 1/2"
7.75" XT	7:8	4.0	29'	3575	1000	160	470	100-350	1000	7800	16.6	65000.0	240,000	9 1/2"-13 1/2"
7.75"	9:10	3.0	21' 3"	3050	600	85	190	100-150	1000	3600	18.9	65000.0	240,000	9 1/2"-13 1/2"
8.0" XT	4:5	5.3	31'	4050	1000	250	640	100-550	1000	7100	11.1	65,000	240,000	9 1/2"-13 1/2"
8.0"	7:8	3.0	25' 5"	3450	1000	162	320	100-250	1000	5200	16.3	65,000	240,000	9 1/2"-13 1/2"
8.0" XT	7:8	4.0	29'	3710	1000	160	470	100-350	1000	7800	16.6	65,000	240,000	9 1/2"-13 1/2"
8.0"	9:10	3.0	21' 3"	3275	600	85	190	100-150	1000	3600	18.9	65,000	240,000	9 1/2"-13 1/2"
9 5/8"	1:2	4.0	25' 6"	4200	800	390	360	100-300	1000	2220	6.2	100,000	490,000	12 1/4"-26"
9 5/8"	3:4	4.5	29'	4900	1500	340	470	100-400	1000	6100	13.0	100,000	490,000	12 1/4"-26"
9 5/8" XT	3:4	6.0	34'	5840	1500	340	675	100-550	1000	8700	12.9	100,000	490,000	12 1/4"-26"
9 5/8"	5:6	3.0	29'	5350	1500	166	285	100-225	1000	7100	24.9	100,000	490,000	12 1/4"-26"
9 5/8" SE	7:8	5.7	35'	6400	1500	186	720	100-600	1000	15600	21.7	100,000	490,000	12 1/4"-26"
9 5/8"	9:10	3.0	23' 4"	4200	800	128	450	100-350	1000	6900	15.3	100,000	490,000	12 1/4"-26"
11.5" XT	3:4	3.6	33' 4"	7200	2000	235	325	100-250	1000	8000	24.6	130,000	1,120,000	14 3/4"-36"

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