

LEESON® 575 & 200-208 VOLT MOTORS

THREE PHASE



575 VOLT • THREE PHASE • TEFC • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 575 V.	% F.L. Eff.	"C" Dim. (Inches)
1/2	3450	56	110714●	\$318	A	25	575	0.6	82.5	10.40
	1725	56	110199●†	347	A	25	575	0.8	78.5	9.88
	1725	S56	101051	347	A	24	575	0.8	68.0	9.94
3/4	3450	56	110354	351	A	22	575	0.9	75.5	10.81
	1725	56	110178	369	A	22	575	1.1	77.0	10.81
	1140	56	111394	526	A	30	575	1.2	75.5	11.81
1	3450	56	110715	410	A	24	575	1.3	77.0	10.81
	1725	56	110206	387	A	24	575	1.5	77.0	11.31
	1740	143T	120122	432	B	31	575	1.2	82.5	12.75
	1140	145T	120167	576	B	32	575	1.4	80.0	13.25
1 1/2	3450	145T	120170	468	B	36	575	1.6	82.5	12.75
	1725	56	110893	436	A	30	575	2.0	78.5	11.81
	1740	145T	120021	413	B	36	575	1.8	84.0	12.75
	1140	182T	131548	635	B	76	575	2.5	85.5	14.96
2	3450	145T	120171	549	B	44	575	2.1	84.0	13.25
	1740	145T	120019	438	B	45	575	2.25	84.0	13.75
	1140	184T	131529	709	B	89	575	2.9	86.5	15.46
3	3450	145T	120423	629	B	50	575	3.0	85.5	13.75
	1740	182T	131460	540	B	74	575	3.3	87.5	13.96
5	3450	184T	131552	764	B	75	575	4.8	87.5	14.46
	1740	184T	131461	622	B	85	575	5.2	87.5	14.96
7 1/2	3500	213T	150196	906	C	158	575	7.4	85.5	18.19
	1750	213T	140593	813	B	144	575	8.2	89.5	17.71
10	3500	215T	150197	1056	C	172	575	9.5	85.5	19.61
	1750	215T	150212	1048	C	186	575	9.8	86.5	19.61
15	3500	254T	150198	1477	C	270	575	14.4	86.5	23.19
	1750	254T	150116	1517	C	284	575	14.8	90.2	23.19
20	3500	256T	150199	1975	C	328	575	19.2	89.5	24.92
	1750	256T	150117	1914	C	367	575	19.2	91.7	24.92
25	3500	284TS	150224	2369	C	402	575	24.0	90.2	24.88
	1750	284T	150118	2336	C	390	575	24.0	91.0	26.26
30	3500	286TS	150228	2964	C	442	575	28.0	89.5	26.46
	1750	286T	150119	2692	C	411	575	28.0	91.0	27.83
40	3500	324TS	150232	3726	C	554	575	36.8	91.0	28.03
	1750	324T	150120	3563	C	548	575	36.8	91.7	29.53
50	1750	326T	150121	4394	C	594	575	45.8	91.7	31.02
60	1750	364T	150239	6688	C	778	575	56.0	91.7	32.64
75	1750	365T	150244	2369	C	850	575	68.8	92.4	33.62
100	1750	405T	150253	10051	C	1175	575	92.0	93.0	37.91

575 VOLT • TEFC • C FACE LESS BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 575 V.	% F.L. Eff.	"C" Dim. (Inches)
1/2	1725	56C	110176●†	\$369	A	20	575	0.8	79.0	9.94
3/4	1725	56C	110177	396	A	21	575	1.1	77.0	10.81
	1740	143TC	120176	435	B	32	575	1.2	82.5	12.25
1	1725	56C	110204	423	A	30	575	1.5	77.0	11.31
	1740	145TC	120177	472	B	31	575	1.8	84.0	12.75
1 1/2	1725	56C	111444	448	A	33	575	2.0	78.5	11.81
	1740	145TC	120177	472	B	31	575	1.8	84.0	12.75
2	3450	56C	111611	495	A	34	575	2.2	82.5	12.31
	1740	145TC	120178	503	B	45	575	2.25	84.0	13.75
3	1740	182TC	131498	579	B	68	575	3.3	87.5	13.97
	1740	184TC	131499	699	B	76	575	5.2	87.5	14.97



200-208 VOLT/400-416 VOLT • THREE PHASE DRIP-PROOF • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 575 V.	% F.L. Eff.	"C" Dim. (Inches)
5	1740	184T	131500	\$497	B	62	200-208/400-416	15.4	86.0	13.19
7 1/2	1740	S213T	131547~	707	B	105	200-208/400-416	22.0	84.0	17.09
10	1740	215T	140004	865	B	122	200-208/400-416	32.0	86.5	15.76

200-208 VOLT/400-416 VOLT • THREE PHASE TEFC • RIGID BASE

HP	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 200 V.	% F.L. Eff.	"C" Dim. (Inches)
1	56	110255	\$406	A	30	200-208	4.4	77.0	11.31
	143T	120047	406	B	32	200-208	4.4	77.0	12.75
1 1/2	145T	120032	412	B	35	200-208	5.6	80.0	12.75
2	145T	120034†	435	B	38	200-208	7.2	81.5	12.75
3	182T	131465	508	B	82	200-208/400-416	10.0	84.0	12.96
5	184T	131466	586	B	63	200-208/400-416	15.4	86.0	13.96
7 1/2	S213T	131467♣	749	B	106	200-208/400-416	23.0	87.0	17.58
10	215T	140013	910	B	168	200-208/400-416	29.6	87.5	18.21

All 200-208 motors have a 1.15 Service Factor, Class F insulation

Other stock 575V motors are available from LEESON through our Canadian facility. Contact LEESON for availability.

- These motors are totally enclosed, non-ventilated, all others totally enclosed fan cooled.
- † Class F insulated.
- ♣ 1.0 Service Factor, Class F insulation.
- ~ Open fan cooled design.

All 180 and 210 frame Rolled Steel motors have Class F Insulation.

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

SEVERE DUTY WATSAVER PLUS & IEEE PREMIUM EFFICIENT MOTORS



General Specifications:

Designed specifically to meet severe duty environments that you may find in applications such as chemical plants, foundries, pulp and paper mills, waste management facilities, refineries, above ground mines or other applications that demand corrosion protection for long motor life and dependability.



Mechanical Protection Features:

- Full cast iron construction
- Two-part Epoxy paint
- Inpro Shaft Seal on output shaft and Forsheda seal on non-drive end
- Internal corrosion protection
- Regreasable bearings 250 Frame and above
- Three Year warranty
- Stainless Steel nameplate
- Corrosion Resistant hardware

Electrical Performance and Protection Features:

- 1.15 Service Factor
- Meets IP 55 enclosure protection
- Dual voltage design
- Normally Closed Thermostats

Standards and Approvals:

- UL and CSA recognized
- Construction is CSA Certified for safety report number LR62104
- UL recognized construction, file number E57948

General Specifications:

Designed for harsh environments that you may find in refineries, above-ground mines, foundries, paper and pulp mills, cement plants or other severe duty applications requiring a premium efficient motor.



Mechanical Protection Features:

- Inpro Shaft Seals installed
- Re-greasable bearings by using extended grease tubes.
- Five-year warranty
- Two part epoxy painted
- Brass breather and drain plug

Electrical Performance and Protection Features:

- Tested to IEEE-841 Standards
- Actual test and vibration Data supplied with each motor
- Meets NEMA MG1 – 1.26.6 Waterproof Specification
- Nameplate stamped to Division 2 CSA certification for hazardous locations, Class 1 Groups A, B, C, D, Temperature code T2B
- Meets NEMA Premium Efficient standards
- 1.15 Service Factor
- Class F Insulation System

Standards and Approvals:

- UL Recognized and CSA Certified
- Tested to IEEE45 USCG Marine Duty, API RP14F for offshore platforms
- Meets IP56

SEVERE DUTY • WATSAVER PLUS

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
3	1760	182T	171623	\$910	C	112	208-230/460	7.8	90.2	16.64
	1180	213T	171634	1284	C	180	208-230/460	9.4	89.5	18.69
5	1760	184T	171630	942	C	120	208-230/460	12.8	89.5	17.30
	1180	215T	171635	1437	C	186	208-230/460	14.4	89.5	20.11
7½	3510	213T	171616	1309	C	155	208-230/460	18	91.0	18.69
	1760	213T	171622	1264	C	165	208-230/460	18.6	91.7	18.69
	1170	254T	171636	1868	C	263	208-230/460	22.2	91.7	23.69
10	3510	215T	171617	1553	C	190	208-230/460	23	91.7	20.11
	1760	215T	171631	1506	C	187	208-230/460	25	91.7	20.11
	1170	256T	171637	2672	C	312	208-230/460	29	91.7	25.42
15	3525	254T	171620	2111	C	294	208-230/460	34.6	92.4	23.69
	1770	254T	171632	2041	C	294	208-230/460	36	92.4	23.69
	1170	284T	171638	3616	C	346	208-230/460	40.6	92.4	26.76
20	3525	256T	171621	2579	C	330	208-230/460	46	92.4	25.42
	1770	256T	171633	2550	C	335	208-230/460	49	93.0	25.42
	1170	286T	171639	4520	C	405	208-230/460	54	92.4	28.33

IEEE 841 PREMIUM EFFICIENT MOTORS

HP	RPM	NEMA Frame	IEEE 841 Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1	1725	143T	811541	\$723	C	55	460	1.5	85.5	10.43
1½	3460	143T	811542	896	C	58	460	2.0	86.5	10.43
	1730	145T	811543	830	C	65	460	2.2	84.0	11.43
2	3500	145T	811544	941	C	68	460	2.5	85.5	11.43
	1735	145T	811545	869	C	68	460	3.0	85.5	11.43
3	3525	182T	811546	1363	C	105	460	3.8	87.5	12.71
	1760	182T	811547	1154	C	100	460	4.0	90.2	12.71
5	3505	184T	811548	1464	C	142	460	5.9	89.5	16.19
	1755	184T	811549	1349	C	130	460	6.2	90.2	16.19
7½	3540	213T	811550	1728	C	200	460	8.9	91.7	17.18
	1770	213T	811551	1636	C	200	460	9.6	91.7	19.73
10	3535	215T	811552	2021	C	218	460	11.2	91.7	20.97
	1765	215T	811553	1981	C	225	460	12.5	91.7	19.73
15	3550	254T	811554	2503	C	345	460	17.5	91.7	23.52
	1775	254T	811555	2380	C	350	460	18.8	92.4	23.52
20	3537	256T	811556	3094	C	375	460	23.4	92.4	25.27
	1775	256T	811557	2960	C	425	460	24.1	93.0	25.27
25	3560	284TS	811558	3840	C	481	460	28.1	93.6	24.97
	1775	284T	811559	3508	C	478	460	31.0	93.6	26.34

SHADED FRAME INDICATES CAST IRON CONSTRUCTION