

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	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
3	1760	182T	171623	C	112	208-230/460	7.8	90.2	16.64
	1180	213T	171634	C	180	208-230/460	9.4	89.5	18.69
5	1760	184T	171630	C	120	208-230/460	12.8	89.5	17.30
	1180	215T	171635	C	186	208-230/460	14.4	89.5	20.11
7½	3510	213T	171616	C	155	208-230/460	18	91.0	18.69
	1760	213T	171622	C	165	208-230/460	18.6	91.7	18.69
	1170	254T	171636	C	263	208-230/460	22.2	91.7	23.69
10	3510	215T	171617	C	190	208-230/460	23	91.7	20.11
	1760	215T	171631	C	187	208-230/460	25	91.7	20.11
	1170	256T	171637	C	312	208-230/460	29	91.7	25.42
15	3525	254T	171620	C	294	208-230/460	34.6	92.4	23.69
	1770	254T	171632	C	294	208-230/460	36	92.4	23.69
	1170	284T	171638	C	346	208-230/460	40.6	92.4	26.76
20	3525	256T	171621	C	330	208-230/460	46	92.4	25.42
	1770	256T	171633	C	335	208-230/460	49	93.0	25.42
	1170	286T	171639	C	405	208-230/460	54	92.4	28.33

IEEE 841 PREMIUM EFFICIENT MOTORS

HP	RPM	NEMA Frame	IEEE 841 Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 460V	% F.L. Eff.	"C" Dim. (Inches)
1	1725	143T	811541	C	55	460	1.5	85.5	10.43
1½	3460	143T	811542	C	58	460	2.0	86.5	10.43
	1730	145T	811543	C	65	460	2.2	84.0	11.43
2	3500	145T	811544	C	68	460	2.5	85.5	11.43
	1735	145T	811545	C	68	460	3.0	85.5	11.43
3	3525	182T	811546	C	105	460	3.8	87.5	12.71
	1760	182T	811547	C	100	460	4.0	90.2	12.71
5	3505	184T	811548	C	142	460	5.9	89.5	16.19
	1755	184T	811549	C	130	460	6.2	90.2	16.19
7½	3540	213T	811550	C	200	460	8.9	91.7	17.18
	1770	213T	811551	C	200	460	9.6	91.7	19.73
10	3535	215T	811552	C	218	460	11.2	91.7	20.97
	1765	215T	811553	C	225	460	12.5	91.7	19.73
15	3550	254T	811554	C	345	460	17.5	91.7	23.52
	1775	254T	811555	C	350	460	18.8	92.4	23.52
20	3537	256T	811556	C	375	460	23.4	92.4	25.27
	1775	256T	811557	C	425	460	24.1	93.0	25.27
25	3560	284TS	811558	C	481	460	28.1	93.6	24.97
	1775	284T	811559	C	478	460	31.0	93.6	26.34
30	3550	286TS	811560	C	500	460	33.8	93.6	26.44
	1770	286T	811561	C	525	460	36.5	94.1	27.84
40	3550	324TS	811562	C	656	460	47.0	93.6	27.37
	1780	324T	811563	C	700	460	47.5	94.1	28.87
50	3550	326TS	811564	C	725	460	58.0	93.6	28.87
	1780	326T	811565	C	775	460	60.0	94.5	30.37
60	3550	364TS	811566	C	925	460	67.0	94.5	29.38
	1770	364T	811567	C	1000	460	69.0	95.0	31.50
75	3570	365TS	811568	C	1002	460	84.0	94.5	30.38
	1780	365T	811569	C	1100	460	86.0	95.4	32.50
100	3570	405TS	811570	C	1295	460	108.0	95.0	34.12
	1780	405T	811571	C	1330	460	113.0	95.4	37.12

All three phase motors, 1 HP and above, are inverter rated. Refer to page 5 for speed ranges.

SHADED FRAME INDICATES CAST IRON CONSTRUCTION