



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	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
3	1800	182T	171623.60	112	208-230/460	7.8	90.2	16.64
	1200	213T	171634.60	180	208-230/460	9.4	89.5	18.69
5	1800	184T	171630.60	120	208-230/460	12.8	89.5	17.30
	1200	215T	171635.60	186	208-230/460	14.4	89.5	20.11
7½	3600	213T	171616.60	155	208-230/460	18	91.0	18.69
	1800	213T	171622.60	165	208-230/460	18.6	91.7	18.69
	1200	254T	171636.60	263	208-230/460	22.2	91.7	23.69
10	3600	215T	171617.60	190	208-230/460	23	91.7	20.11
	1800	215T	171631.60	187	208-230/460	25	91.7	20.11
	1200	256T	171637.60	312	208-230/460	29	91.7	25.42
15	3600	254T	171620.60	294	208-230/460	34.6	92.4	23.69
	1800	254T	171632.60	294	208-230/460	36	92.4	23.69
	1200	284T	171638.60	346	208-230/460	40.6	92.4	26.76
20	3600	256T	171621.60	330	208-230/460	46	92.4	25.42
	1800	256T	171633.60	335	208-230/460	49	93.0	25.42
	1200	286T	171639.60	405	208-230/460	54	92.4	28.33

IEEE 841 PREMIUM EFFICIENT MOTORS

HP	SYN RPM	NEMA Frame	IEEE 841 Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 460V	% F.L. Eff.	"C" Dim. (Inches)
1	1800	143T	811541.00 A	55	460	1.5	85.5	10.43
1½	3600	143T	811542.00 A	58	460	2.0	86.5	10.43
	1800	145T	811543.00 A	65	460	2.2	84.0	11.43
2	3600	145T	811544.00 A	68	460	2.5	85.5	11.43
	1800	145T	811545.00 A	68	460	3.0	85.5	11.43
3	3600	182T	811546.00	105	460	3.8	87.5	12.71
	1800	182T	811547.00	100	460	4.0	90.2	12.71
5	3600	184T	811548.00 A	142	460	5.9	89.5	16.19
	1800	184T	811549.00	130	460	6.2	90.2	16.19
7½	3600	213T	811550.00 A	200	460	8.9	91.7	17.18
	1800	213T	811551.00	200	460	9.6	91.7	19.73
10	3600	215T	811552.00	218	460	11.2	91.7	20.97
	1800	215T	811553.00	225	460	12.5	91.7	19.73
15	3600	254T	811554.00	345	460	17.5	91.7	23.52
	1800	254T	811555.00	350	460	18.8	92.4	23.52
20	3600	256T	811556.00	375	460	23.4	92.4	25.27
	1800	256T	811557.00 A	425	460	24.1	93.0	25.27
25	3600	284TS	811558.00 A	481	460	28.1	93.6	24.97
	1800	284T	811559.00 A	478	460	31.0	93.6	26.34
30	3600	286TS	811560.00	500	460	33.8	93.6	26.44
	1800	286T	811561.00	525	460	36.5	94.1	27.84
40	3600	324TS	811562.00	656	460	47	93.6	27.37
	1800	324T	811563.00	700	460	47.5	94.1	28.87
50	3600	326TS	811564.00	725	460	58	93.6	28.87
	1800	326T	811565.00	775	460	60	94.5	30.37
60	3600	364TS	811566.00	925	460	67	94.5	29.38
	1800	364T	811567.00	1000	460	69	95	31.50
75	3600	365TS	811568.00	1002	460	84	94.5	30.38
	1800	365T	811569.00	1100	460	86	95.4	32.50
100	3600	405TS	811570.00	1295	460	108	95	34.12
	1800	405T	811571.00	1330	460	113	95.4	37.12

A Subject to Availability.

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

All three phase motors, 1 HP and above, are inverter rated.

Specifications are subject to change without notice