

# 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	<b>171623</b>	\$910	C	112	208-230/460	7.8	90.2	16.64
	1180	213T	<b>171634</b>	1284	C	180	208-230/460	9.4	89.5	18.69
5	1760	184T	<b>171630</b>	942	C	120	208-230/460	12.8	89.5	17.30
	1180	215T	<b>171635</b>	1437	C	186	208-230/460	14.4	89.5	20.11
7½	3510	213T	<b>171616</b>	1309	C	155	208-230/460	18	91.0	18.69
	1760	213T	<b>171622</b>	1264	C	165	208-230/460	18.6	91.7	18.69
	1170	254T	<b>171636</b>	1868	C	263	208-230/460	22.2	91.7	23.69
10	3510	215T	<b>171617</b>	1553	C	190	208-230/460	23	91.7	20.11
	1760	215T	<b>171631</b>	1506	C	187	208-230/460	25	91.7	20.11
	1170	256T	<b>171637</b>	2672	C	312	208-230/460	29	91.7	25.42
15	3525	254T	<b>171620</b>	2111	C	294	208-230/460	34.6	92.4	23.69
	1770	254T	<b>171632</b>	2041	C	294	208-230/460	36	92.4	23.69
	1170	284T	<b>171638</b>	3616	C	346	208-230/460	40.6	92.4	26.76
20	3525	256T	<b>171621</b>	2579	C	330	208-230/460	46	92.4	25.42
	1770	256T	<b>171633</b>	2550	C	335	208-230/460	49	93.0	25.42
	1170	286T	<b>171639</b>	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	<b>811541</b>	\$723	C	55	460	1.5	85.5	10.43
1½	3460	143T	<b>811542</b>	896	C	58	460	2.0	86.5	10.43
	1730	145T	<b>811543</b>	830	C	65	460	2.2	84.0	11.43
2	3500	145T	<b>811544</b>	941	C	68	460	2.5	85.5	11.43
	1735	145T	<b>811545</b>	869	C	68	460	3.0	85.5	11.43
3	3525	182T	<b>811546</b>	1363	C	105	460	3.8	87.5	12.71
	1760	182T	<b>811547</b>	1154	C	100	460	4.0	90.2	12.71
5	3505	184T	<b>811548</b>	1464	C	142	460	5.9	89.5	16.19
	1755	184T	<b>811549</b>	1349	C	130	460	6.2	90.2	16.19
7½	3540	213T	<b>811550</b>	1728	C	200	460	8.9	91.7	17.18
	1770	213T	<b>811551</b>	1636	C	200	460	9.6	91.7	19.73
10	3535	215T	<b>811552</b>	2021	C	218	460	11.2	91.7	20.97
	1765	215T	<b>811553</b>	1981	C	225	460	12.5	91.7	19.73
15	3550	254T	<b>811554</b>	2503	C	345	460	17.5	91.7	23.52
	1775	254T	<b>811555</b>	2380	C	350	460	18.8	92.4	23.52
20	3537	256T	<b>811556</b>	3094	C	375	460	23.4	92.4	25.27
	1775	256T	<b>811557</b>	2960	C	425	460	24.1	93.0	25.27
25	3560	284TS	<b>811558</b>	3840	C	481	460	28.1	93.6	24.97
	1775	284T	<b>811559</b>	3508	C	478	460	31.0	93.6	26.34

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

SHADED FRAME INDICATES CAST IRON CONSTRUCTION