

## 575V 841XL (Exceeds IEEE841) Totally Enclosed - IP55

### Electrical Characteristics

**Phase:** 3  
**Frequency:** 60 Hz  
**Ambient:** 40° C  
**Service Factor:** 1.15

**Duty Cycle:** Continuous  
**Insulation:** Class F  
**Temp. Rise:** Class B

### Key Information

#### Definitions:

NEMA Premium efficient meeting or exceeding the requirements of IEEE841 specifications.

**Warranty (From Date Of Manufacture / From Date Of Installation):**  
841XL (60/48)

**Nameplate Agency Approvals:**  
CE, CSA, UR

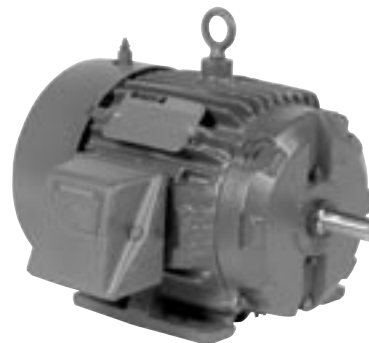
### Application Information

Exceeds IEEE841 requirements, designed for long life and reliable operation in severe industrial applications. Built extra tough for durability in moist, contaminated, harsh environments such as chemical plants, petroleum refineries and paper mills. 841XL motors used on inverter power may not meet temperature rise and noise level per IEEE841.

### CONSTRUCTION FEATURES

#### 140T Frames

**Materials:** Cast iron frame, end shields, conduit box and fan cover  
**Conduit Box:** F1 location,  
**Bearing Type:** Double shielded  
**Bearing Protection:** Inpro seals both ends  
**Shaft Material:** High strength carbon steel  
**Nameplate Material:** Stainless steel  
**Drain Type & Location:** T-drains in both end shields



#### 180T - 449T Frames

**Materials:** Cast iron frame, end shields, conduit box and fan cover  
**Conduit Box:** F1 location, diagonally split, rotatable in 90 degree increments, gasketed cover, NPT threaded lead outlet, lead separator gasket to frame, UL listed clamp-type ground lug.  
**Bearing Type:** Open ball, PLS (Positive Lubrication System)  
**Bearing Protection:** Inpro seal each end plus cast iron inner caps inboard  
**Shaft Material:** High strength carbon steel  
**Nameplate Material:** Stainless steel  
**Drain Type & Location:** Stainless steel T-drain in each end shield  
**Additional Features:** RTV sealed bracket-to-frame fits, epoxy coated rotor and stator, alemite grease fittings, automatic grease relief fittings, lead lugs, low vibration, and quiet operation (below 90 dBA sound power). Motors are inverter capable. Motor insulation rated 1600 volts on 460 volt motors and 1800 volts on 575 volt motors per NEMA MG1 part 31.40.4.2.



Explosion Proof

Washdown Duty

Single Phase

Brake Motor

575 Volt

IEC

For additional product information, go to [www.reliance.com](http://www.reliance.com)

# 575V 841XL (Exceeds IEEE841) Totally Enclosed - IP55



## Foot Mounted 1/2 - 250 HP

HP	Synch RPM	Voltage	Frame	Enclosure	Product	Efficiency Standard	Model Number	List Price	Price Symbol	"C" Dim.	Eff. @ Full Load	Notes	Approx. Wt. (lb)
1/2	1800	575	145T	TENV	841XL	Prem	◆ P14G7740	\$564	RXL04	12.94	80		79
	1200	575	145T	TENV	841XL	Prem	◆ P14G7741	633	RXL04	12.94	80		80
3/4	1800	575	143T	TENV	841XL	Prem	◆ P14G7742	588	RXL04	12.94	82.5		79
	1200	575	143T	TENV	841XL	Prem	◆ P14G7743	643	RXL04	12.94	78.5		80
1	3600	575	143T	TENV	841XL	NEMA Prem	◆ P14G7744	570	RXL04	12.94	84		79
	1800	575	143T	TENV	841XL	NEMA Prem	◆ P14G7745	594	RXL04	12.94	82.5		80
	1200	575	145T	TEFC	841XL	NEMA Prem	◆ P14G7746	664	RXL04	14.61	80		82
	900	575	L182T	TEFC	841XL	Prem	◆ P18G5314	1,032	RXL22	14.61	86.5		105
1.5	3600	575	143T	TEFC	841XL	NEMA Prem	◆ P14G7747	618	RXL04	14.61	84		80
	1800	575	145T	TEFC	841XL	NEMA Prem	◆ P14G7748	620	RXL04	14.61	84		81
	1200	575	182T	TEFC	841XL	NEMA Prem	◆ P18G5300	717	RXL22	15.62	87.5		105
	900	575	L182T	TEFC	841XL	Prem	◆ P18G5315	1,091	RXL22	17.12	86.5		120
2	3600	575	145T	TEFC	841XL	NEMA Prem	◆ P14G7749	664	RXL04	14.61	85.5		81
	1800	575	145T	TEFC	841XL	NEMA Prem	◆ P14G7750	646	RXL04	14.61	84		82
	1200	575	L184T	TEFC	841XL	NEMA Prem	◆ P18G5301	759	RXL22	17.12	88.5		120
	900	575	L213T	TEFC	841XL	Prem	◆ P21G5293	1,314	RXL22	20.19	85.5		160
3	3600	575	182T	TEFC	841XL	NEMA Prem	◆ P18G5302	769	RXL22	15.62	88.5		105
	1800	575	182T	TEFC	841XL	NEMA Prem	◆ P18G5303	705	RXL22	15.62	88.5		105
	1200	575	213T	TEFC	841XL	NEMA Prem	◆ P21G5283	915	RXL22	19.31	89.5		160
	900	575	L215T	TEFC	841XL	Prem	◆ P21G5294	1,554	RXL22	20.19	85.5		185
5	3600	575	184T	TEFC	841XL	NEMA Prem	◆ P18G5304	835	RXL22	15.62	88.5		120
	1800	575	L184T	TEFC	841XL	NEMA Prem	◆ P18G5305	765	RXL22	17.12	89.5		120
	1200	575	L215T	TEFC	841XL	NEMA Prem	◆ P21G5284	1,132	RXL22	20.19	89.5		175
	900	575	254T	TEFC	841XL	Prem	◆ P25G5287	2,581	RXL22	24.56	89.5		310
7.5	3600	575	213T	TEFC	841XL	NEMA Prem	◆ P21G5285	1,043	RXL22	19.31	90.2		160
	1800	575	213T	TEFC	841XL	NEMA Prem	◆ P21G5286	980	RXL22	19.31	91.7		160
	1200	575	254T	TEFC	841XL	NEMA Prem	◆ P25G5282	1,856	RXL22	24.56	91		310
	900	575	256T	TEFC	841XL	Prem	◆ P25G5288	2,944	RXL22	24.56	90.2		345
10	3600	575	215T	TEFC	841XL	NEMA Prem	◆ P21G5287	1,144	RXL22	19.31	91		185
	1800	575	L215T	TEFC	841XL	NEMA Prem	◆ P21G5288	1,048	RXL22	20.19	91.7		185
	1200	575	256T	TEFC	841XL	NEMA Prem	◆ P25G5283	2,143	RXL22	24.56	91		345
	900	575	284T	TEFC	841XL	Prem	◆ P28G5290	3,629	RXL22	27.86	90.2		400
15	3600	575	254T	TEFC	841XL	NEMA Prem	◆ P25G5278	1,883	RXL22	24.56	91.7		310
	1800	575	254T	TEFC	841XL	NEMA Prem	◆ P25G5280	1,749	RXL22	24.56	92.4		310
	1200	575	284T	TEFC	841XL	NEMA Prem	◆ P28G5286	3,000	RXL22	27.86	92.4		400
	900	575	286T	TEFC	841XL	Prem	◆ P28G5291	4,392	RXL22	27.86	90.2		420
20	3600	575	256T	TEFC	841XL	NEMA Prem	◆ P25G5279	2,133	RXL22	24.56	91.7		310
	1800	575	256T	TEFC	841XL	NEMA Prem	◆ P25G5281	1,976	RXL22	24.56	93		345
	1200	575	286T	TEFC	841XL	NEMA Prem	◆ P28G5287	3,514	RXL22	27.86	92.4		420
	900	575	324T	TEFC	841XL	Prem	◆ P32G5257	5,451	RXL22	30.44	91		530
25	3600	575	284TS	TEFC	841XL	NEMA Prem	◆ P28G5282	2,832	RXL22	26.06	93		380
	1800	575	284T	TEFC	841XL	NEMA Prem	◆ P28G5284	2,666	RXL22	27.86	93.6		425
	1200	575	324T	TEFC	841XL	NEMA Prem	◆ P32G5253	4,446	RXL22	30.44	93		530
	900	575	326T	TEFC	841XL	Prem	◆ P32G5258	6,217	RXL22	30.44	90.7		560
30	3600	575	286TS	TEFC	841XL	NEMA Prem	◆ P28G5283	3,196	RXL22	26.06	93		425
	1800	575	286T	TEFC	841XL	NEMA Prem	◆ P28G5285	3,000	RXL22	27.86	93.6		455
	1200	575	326T	TEFC	841XL	NEMA Prem	◆ P32G5254	4,962	RXL22	30.44	93.6		560
	900	575	364T	TEFC	841XL	Prem	◆ P36G5248	7,281	RXL22	33.44	92.4		865
40	3600	575	324TS	TEFC	841XL	NEMA Prem	◆ P32G5249	4,176	RXL22	28.94	94.1		520
	1800	575	324T	TEFC	841XL	NEMA Prem	◆ P32G5251	4,051	RXL22	30.44	94.1		540
	1200	575	364T	TEFC	841XL	NEMA Prem	◆ P36G5244	6,633	RXL22	33.44	94.1		865
	900	575	365T	TEFC	841XL	Prem	◆ P36G5249	8,633	RXL22	33.44	93		890
50	3600	575	326TS	TEFC	841XL	NEMA Prem	◆ P32G5250	5,098	RXL22	28.94	94.1		630
	1800	575	326T	TEFC	841XL	NEMA Prem	◆ P32G5252	4,615	RXL22	30.44	94.5		630
	1200	575	365T	TEFC	841XL	NEMA Prem	◆ P36G5245	7,562	RXL22	33.44	94.1		890
	900	575	404T	TEFC	841XL	Prem	◆ P40G541	10,313	RXL22	38.31	93		1220

◆ - Inverter Duty. See page M-273

Cast Iron Frame

ee CC049A – "EPAct" and "NEMA Prem" model numbers

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)

# 575V 841XL (Exceeds IEEE841) Totally Enclosed - IP55



## Foot Mounted 1/2 - 250 HP

HP	Synch RPM	Voltage	Frame	Enclosure	Product	Efficiency Standard		Model Number	List Price	Price Symbol	"C" Dim.	Eff. @ Full Load	Notes	Approx. Wt. (lb)
60	3600	575	364TS	TEFC	841XL	NEMA Prem	◆	P36G5240	\$6,837	RXL22	31.31	95		850
	1800	575	364T	TEFC	841XL	NEMA Prem	◆	P36G5242	6,616	RXL22	33.44	95		850
	1200	575	404T	TEFC	841XL	NEMA Prem	◆	P40G475	8,830	RXL22	38.31	95		1220
	900	575	405T	TEFC	841XL	Prem	◆	P40G542	11643	RXL22	38.31	93		1260
75	3600	575	365TS	TEFC	841XL	NEMA Prem	◆	P36G5241	8,174	RXL22	31.31	95		885
	1800	575	365T	TEFC	841XL	NEMA Prem	◆	P36G5243	7839	RXL22	33.44	95.4		890
	1200	575	405T	TEFC	841XL	NEMA Prem	◆	P40G476	9698	RXL22	38.31	95		1260
	900	575	444T	TEFC	841XL	Prem	◆	P44G794	15067	RXL22	44.62	94.5		1670
100	3600	575	405TS	TEFC	841XL	NEMA Prem	◆	P40G473	10522	RXL22	35.31	95		1260
	1800	575	405T	TEFC	841XL	NEMA Prem	◆	P40G474	9651	RXL22	38.31	95.4		1260
	1200	575	444T	TEFC	841XL	NEMA Prem	◆	P44G727	12482	RXL22	44.62	95		1670
	900	575	445T	TEFC	841XL	Prem	◆	P44G795	18392	RXL22	44.62	94.5		1860
125	3600	575	444TS	TEFC	841XL	NEMA Prem	◆	P44G723	13446	RXL22	40.88	95.4		1655
	1800	575	444T	TEFC	841XL	NEMA Prem	◆	P44G725	12434	RXL22	44.62	95.8		1670
	1200	575	445T	TEFC	841XL	NEMA Prem	◆	P44G728	14871	RXL22	44.62	95.4		1860
	900	575	449T	TEFC	841XL	Prem	◆	P44G1643	19982	RXL22	53.13	95		2590
	900	575	449T	TEFC	841XL	Prem	◆	P44G798	19982	RXL22	53.13	95	5	2590
150	3600	575	445TS	TEFC	841XL	NEMA Prem	◆	P44G724	15916	RXL22	40.88	96.2		1845
	1800	575	445T	TEFC	841XL	NEMA Prem	◆	P44G726	14287	RXL22	44.62	96.2		1860
	1200	575	447T	TEFC	841XL	NEMA Prem	◆	P44G733	18108	RXL22	48.13	96.2	5	2300
	1200	575	447T	TEFC	841XL	NEMA Prem	◆	P44G5262	18108	RXL22	48.13	96.2		2300
	900	575	449T	TEFC	841XL	Prem	◆	P44G1645	25061	RXL22	53.13	95		2590
	900	575	449T	TEFC	841XL	Prem	◆	P44G799	25061	RXL22	53.13	95	5	2590
200	3600	575	445TS	TEFC	841XL	NEMA Prem	◆	P44G729	19819	RXL22	40.88	96.2		1845
	1800	575	447T	TEFC	841XL	NEMA Prem	◆	P44G5264	17614	RXL22	48.13	96.2		2400
	1800	575	447T	TEFC	841XL	NEMA Prem	◆	P44G731	17614	RXL22	48.13	96.2	5	2400
	1200	575	449T	TEFC	841XL	NEMA Prem	◆	P44G734	20142	RXL22	53.13	96.2	5	2590
	1200	575	449T	TEFC	841XL	NEMA Prem	◆	P44G5263	20142	RXL22	53.13	96.2		2590
	900	575	449T	TEFC	841XL	Prem	◆	P44G5258	25367	RXL22	53.13	95		2590
250	3600	575	449TS	TEFC	841XL	NEMA Prem	◆	P44G730	25052	RXL22	49.37	96.2		2550
	1800	575	449T	TEFC	841XL	NEMA Prem	◆	P44G732	20436	RXL22	53.13	96.2	5	2550

◆ - Inverter Duty. See page M-273

Cast Iron Frame

ee CC049A – "EPAct" and "NEMA Prem" model numbers

Explosion Proof

Washdown Duty

Single Phase

Brake Motor

575 Volt

IEC

For additional product information, go to [www.reliance.com](http://www.reliance.com)

# 575V 841XL (Exceeds IEEE841)

## Totally Enclosed - IP55



### C-Face Foot Mounted 2 - 50 HP

HP	Synch RPM	Voltage	Frame	Enclosure	Product	Efficiency Standard		Model Number	List Price	Price Symbol	"C" Dim	Eff. @ Full Load	Notes	Approx. Wt.
2	1800	575	FL145TC	TEFC	841XL	NEMA Prem	◆	P14G7761	\$701	RXL04	15.1	84		82
3	1800	575	182TC	TEFC	841XL	NEMA Prem	◆	P18G1185	784	RXL22	16.38	88.5		105
5	1800	575	L184TC	TEFC	841XL	NEMA Prem	◆	P18G1186	845	RXL22	17.88	88.5		120
7.5	1800	575	213TC	TEFC	841XL	NEMA Prem	◆	P21G1160	1,060	RXL22	20.06	90.2		160
10	1800	575	L215TC	TEFC	841XL	NEMA Prem	◆	P21G1161	1,128	RXL22	20.94	90.2		185
15	1800	575	254TC	TEFC	841XL	NEMA Prem	◆	P25G1148	1,854	RXL22	25.06	92.4		310
20	1800	575	256TC	TEFC	841XL	NEMA Prem	◆	P25G1149	2,081	RXL22	25.06	92.4		350
25	1800	575	284TC	TEFC	841XL	NEMA Prem	◆	P28G1079	2,811	RXL22	27.44	93.6		430
30	1800	575	286TC	TEFC	841XL	NEMA Prem	◆	P28G1080	3,145	RXL22	27.44	93.6		460
40	1800	575	324TC	TEFC	841XL	NEMA Prem	◆	P32G1060	4,276	RXL22	30.44	94.1		540
50	1800	575	326TC	TEFC	841XL	NEMA Prem	◆	P32G1061	4,840	RXL22	30.44	94.5		650

◆ - Inverter Duty. See page M-273

Cast Iron Frame



CC049A – "EPAct" and "NEMA Prem" model numbers  
CC019A – "EM" and "XE" model numbers with suffix "c"

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)