

575V Extra Tough - XT / XEX Totally Enclosed - IP54

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:

XT = Extra Tough motors that meets EPEfficiencies
XEX = NEMA Premium Efficient motors that have Extra Tough features

Warranty (From Date Of Manufacture / From Date Of Installation):

XT = (24 / 12)

XEX = (36 / 24)

Nameplate Agency Approvals:

CE, CSA, UR, IEEE45 / ABS (10)

Application Information

Extra Tough Duty motors are built with the rugged cast iron construction and key features for long life in moist, contaminated environments such as chemical plants, petroleum refineries and paper mills.

CONSTRUCTION FEATURES

56 - 140T Frames

Materials:	Non-Shaded M/N's - Plated steel frame, conduit box and fan shroud, cast iron end shields Shaded M/N's - Cast iron frame, conduit box, fan shroud and end shields
Conduit Box:	Oversized, Top mounted with F1 & F2 lead outlets.
Bearing Type:	Non-Shaded M/N's - Double sealed, permanently lubricated ball bearings Shaded M/N's - Doubled shielded regreasable ball bearings with grease relief fittings
Bearing Protection:	Non-Shaded M/N's - Lip seals on both ends of the motor. Shaded M/N's - Non-metallic V-ring shaft slinger on drive end.
Shaft Material:	High strength carbon steel
Nameplate Material:	Non-Shaded M/N's - Adhesive Mylar, Shaded M/N's - Stainless Steel
Drain Type & Location:	T-drain in drive end shield. Weep hole in opposite drive end shield on TEFC. TENV has T-drain both ends for Non-Shaded M/N's.
Additional Features:	XT And XEX motors with a (♦) are inverter duty at 575 volts and below. Motor insulation is rated 1800 volts on 575 volt motors per NEMA MG1 part 31.40.4.2

180T - 449T Frames

Materials:	Cast Iron construction: frame, conduit box, fan cover, end shields and inner caps
Conduit Box:	F1 location, Diagonally split, neoprene gasketed, rotatable in 90 degree increments and NPT threaded lead hole. UL listed clamp type grounding lug in box.
Bearing Type;	Regreasable, open ball bearings with PLS. (180T - 449T frames)
Bearing Protection:	Non-metallic V-ring shaft slinger on drive end
Shaft Material;	High strength carbon steel
Nameplate Material:	Stainless steel
Drain Type & Location;	Stainless steel T-drains mounted in both end shields
Additional Features;	<ul style="list-style-type: none"> The motor's stator and rotor are completely epoxy coated for corrosion protection Extra Tough motors are provided with alemite grease fittings for easy bearings maintenance Silicone rubber sealed fits provide superior protection against contaminants entering the motor body XT and XEX motors with a (♦) are inverter duty 575 volt and below. <p>Motor insulation is rated 1800 volts on 575 volt motors per NEMA MG1 part 31.40.4.2</p>



Explosion Proof

Washdown Duty

Single Phase

Brake Motor

575 Volt

IEC

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575V Extra Tough - XT / XEX Totally Enclosed - IP54



Foot Mounted 1/2 - 350HP

HP	Synch RPM	Voltage	Frame	Enclosure	Product	Efficiency Standard	Model Number	List Price	Price Symbol	"C" Dim	Eff. @ Full Load	Notes	Approx. Wt.
1/2	1800	575	56	TENV	XT		P56X3844	\$377	REM03	10.14	80		51
	1800	575	143T	TENV	XEX	Prem	P14G7540	640	RXM03	11.68	84	50	79
	1200	575	143T	TENV	XEX	Prem	P14G7541	793	RXM03	11.68	84	50	80
3/4	1800	575	56	TENV	XT		P56X3845	406	REM03	11.14	82.5		53
	1800	575	143T	TENV	XEX	Prem	P14G7542	681	RXM03	11.68	86.5	50	79
	1200	575	143T	TENV	XEX	Prem	P14G7543	810	RXM03	11.68	81.5	50	80
1	3600	575	143T	TENV	XEX	NEMA Prem	P14G7544	674	RXM03	11.68	87.5	50	79
	1800	575	143T	TEFC	XT	EPAct	P14X3828	413	REM03	12.23	82.5		39
	1800	575	143T	TENV	XEX	NEMA Prem	P14G7545	690	RXM03	11.68	86.5	50	80
	1200	575	145T	TEFC	XEX	NEMA Prem	P14G7546	850	RXM03	16.04	82.5	50	82
1.5	3600	575	143T	TEFC	XEX	NEMA Prem	P14G7547	760	RXM03	11.68	87.5	50	80
	1800	575	145T	TEFC	XT	EPAct	P14X3829	430	REM03	13.66	84		43
	1800	575	145T	TEFC	XEX	NEMA Prem	P14G7548	734	RXM03	16.04	87.5	50	81
	1200	575	182T	TEFC	XEX	NEMA Prem	P18G3411	604	RXE22	15.62	87.5		105
2	3600	575	145T	TEFC	XEX	NEMA Prem	P14G7549	842	RXM03	16.04	87.5	50	81
	1800	575	145T	TEFC	XT	EPAct	P14X3830	391	REM03	14.29	84		51
	1800	575	145T	TEFC	XEX	NEMA Prem	P14G7550	779	RXM03	16.04	87.5	50	82
	1200	575	L184T	TEFC	XEX	NEMA Prem	P18G3390	675	RXE22	17.12	88.5		120
3	3600	575	182T	TEFC	XT	EPAct	P18G4702	555	REM22	15.62	85.5		110
	3600	575	182T	TEFC	XEX	NEMA Prem	P18G3391	600	RXE22	15.62	88.5		105
	1800	575	182T	TEFC	XT	EPAct	P18G4752	565	REM22	15.62	87.5		110
	1800	575	L182T	TEFC	XEX	NEMA Prem	P18G3373	583	RXE22	17.12	89.5		105
	1200	575	213T	TEFC	XT	EPAct	P21G4852	815	REM22	19.3	87.5		160
5	1200	575	213T	TEFC	XEX	NEMA Prem	P21G3353	820	RXE22	19.3	89.5		160
	3600	575	184T	TEFC	XT	EPAct	P18G4703	707	REM22	15.62	87.5		120
	3600	575	184T	TEFC	XEX	NEMA Prem	P18G3392	712	RXE22	15.62	88.5		120
	1800	575	184T	TEFC	XT	EPAct	P18G4753	662	REM22	15.62	87.5		120
	1800	575	L184T	TEFC	XEX	NEMA Prem	P18G3374	684	RXE22	17.12	89.5		120
	1200	575	215T	TEFC	XT	EPAct	P21G4853	1,160	REM22	19.3	87.5		175
	1200	575	L215T	TEFC	XEX	NEMA Prem	P21G3354	1,165	RXE22	20.19	89.5		175
7.5	900	575	254T	TEFC	XEX	Prem	P25G493	1,917	RXE22	24.56	89.5		310
	3600	575	213T	TEFC	XT	EPAct	P21G4702	925	REM22	19.3	88.5		160
	3600	575	213T	TEFC	XEX	NEMA Prem	P21G3355	930	RXE22	19.3	90.2		160
	1800	575	213T	TEFC	XT	EPAct	P21G4752	894	REM22	19.3	89.5		160
	1800	575	213T	TEFC	XEX	NEMA Prem	P21G3336	924	RXE22	19.3	91.7		160
	1200	575	254T	TEFC	XT	EPAct	P25G4656	1,542	REM22	24.56	89.7		310
	1200	575	254T	TEFC	XEX	NEMA Prem	P25G3322	1,547	RXE22	24.56	91		310
10	900	575	256T	TEFC	XEX	Prem	P25G494	2,423	RXE22	24.56	90.2		345
	3600	575	215T	TEFC	XT	EPAct	P21G4703	1,085	REM22	19.31	89.5		185
	3600	575	215T	TEFC	XEX	NEMA Prem	P21G3356	1,090	RXE22	19.3	91		185
	1800	575	215T	TEFC	XT	EPAct	P21G4753	998	REM22	19.31	89.5		185
	1800	575	L215T	TEFC	XEX	NEMA Prem	P21G3337	1,031	RXE22	20.19	91.7		185
	1200	575	256T	TEFC	XT	EPAct	P25G4657	1,893	REM22	24.56	89.5		345
	1200	575	256T	TEFC	XEX	NEMA Prem	P25G3323	1,898	RXE22	24.56	91		345
	900	575	284T	TEFC	XEX	Prem	P28G489	2,828	RXE22	27.44	90.2		400

♦ - 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 pricing information or to place orders, go to www.PTplace.com

575V Extra Tough - XT / XEX Totally Enclosed - IP54



Foot Mounted 1/2 - 350HP

HP	Synch RPM	Voltage	Frame	Enclosure	Product	Efficiency Standard		Model Number	List Price	Price Symbol	"C" Dim	Eff. @ Full Load	Notes	Approx. Wt.
15	3600	575	254T	TEFC	XT	EPAct	◆	P25G4506	\$1,491	REM22	24.56	90.2		280
	3600	575	254T	TEFC	XEX	NEMA Prem	◆	P25G405	1,496	RXE22	24.56	91.7		310
	1800	575	254T	TEFC	XT	EPAct	◆	P25G4556	1,371	REM22	24.56	91.3		310
	1800	575	254T	TEFC	XEX	NEMA Prem	◆	P25G3318	1,418	RXE22	24.56	92.4		310
	1200	575	284T	TEFC	XEX	NEMA Prem	◆	P28G3321	2,525	RXE22	27.44	92.4		400
20	900	575	286T	TEFC	XEX	Prem	◆	P28G490	3,684	RXE22	27.44	90.2		420
	3600	575	256T	TEFC	XT	EPAct	◆	P25G4507	1,796	REM22	24.56	90.2		315
	3600	575	256T	TEFC	XEX	NEMA Prem	◆	P25G406	1,801	RXE22	24.56	91.7		345
	1800	575	256T	TEFC	XT	EPAct	◆	P25G4557	1,638	REM22	24.56	91.4		345
	1800	575	256T	TEFC	XEX	NEMA Prem	◆	P25G3319	1,694	RXE22	24.56	93		345
	1200	575	286T	TEFC	XEX	NEMA Prem	◆	P28G3322	3,133	RXE22	27.44	92.4		420
25	900	575	324T	TEFC	XEX	Prem	◆	P32G471	4,504	RXE22	30.44	91		530
	3600	575	284TS	TEFC	XT	EPAct	◆	P28G4506	2,090	REM22	26.06	91		380
	3600	575	284TS	TEFC	XEX	NEMA Prem	◆	P28G401	2,256	RXE22	26.06	93		425
	1800	575	284T	TEFC	XT	EPAct	◆	P28G4556	2,003	REM22	27.44	92.4		425
	1800	575	284T	TEFC	XEX	NEMA Prem	◆	P28G3317	2,162	RXE22	27.44	93.6		425
30	1200	575	324T	TEFC	XEX	NEMA Prem	◆	P32G3329	3,668	RXE22	30.44	93		530
	3600	575	286TS	TEFC	XT	EPAct	◆	P28G4507	2,455	REM22	26.06	91		415
	3600	575	286TS	TEFC	XEX	NEMA Prem	◆	P28G402	2,653	RXE22	26.06	93		453
	1800	575	286T	TEFC	XT	EPAct	◆	P28G4557	2,336	REM22	27.44	92.7		455
	1800	575	286T	TEFC	XEX	NEMA Prem	◆	P28G3318	2,525	RXE22	27.44	93.6		455
40	1200	575	326T	TEFC	XEX	NEMA Prem	◆	P32G3330	4,184	RXE22	30.44	93.6		560
	3600	575	324TS	TEFC	XEX	NEMA Prem	◆	P32G401	3,301	RXE22	28.94	94.1		537
	1800	575	324T	TEFC	XT	EPAct	◆	P32G4556	3,027	REM22	30.44	93.2		540
	1800	575	324T	TEFC	XEX	NEMA Prem	◆	P32G3325	3,272	RXE22	30.44	94.1		540
50	1200	575	364T	TEFC	XEX	NEMA Prem	◆	P36G3316	5,771	RXE22	33.44	94.1		865
	3600	575	326TS	TEFC	XEX	NEMA Prem	◆	P32G402	4,223	RXE22	28.94	94.1		607
	1800	575	326T	TEFC	XT	EPAct	◆	P32G4557	3,546	REM22	30.44	93		560
	1800	575	326T	TEFC	XEX	NEMA Prem	◆	P32G3326	3,836	RXE22	30.44	94.5		610
60	1200	575	365T	TEFC	XEX	NEMA Prem	◆	P36G3317	6,700	RXE22	33.44	94.1		890
	3600	575	364TS	TEFC	XEX	NEMA Prem	◆	P36G403	5,877	RXE22	31.31	95		844
	1800	575	364T	TEFC	XEX	NEMA Prem	◆	P36G3312	5,755	RXE22	33.44	95		865
	1200	575	404T	TEFC	XEX	NEMA Prem	◆	P40G275	7,794	RXE22	38.31	95		1220
75	3600	575	365TS	TEFC	XEX	NEMA Prem	◆	P36G404	7,215	RXE22	31.31	95		884
	1800	575	365T	TEFC	XEX	NEMA Prem	◆	P36G3313	6,977	RXE22	33.44	95.4		890
	1200	575	405T	TEFC	XEX	NEMA Prem	◆	P40G277	8,664	RXE22	38.31	95		1260
100	3600	575	405TS	TEFC	XEX	NEMA Prem	◆	P40G271	9,342	RXE22	35.31	95		1260
	1800	575	405T	TEFC	XEX	NEMA Prem	◆	P40G273	8,617	RXE22	38.31	95.4		1260
	1200	575	444T	TEFC	XEX	NEMA Prem	◆	P44G495	11,669	RXE22	44.62	95		1670
125	3600	575	444TS	TEFC	XEX	NEMA Prem	◆	P44G752	12,203	RXE22	40.88	95.4		1654
	1800	575	444T	TEFC	XEX	NEMA Prem	◆	P44G617	11,337	RXE22	44.62	95.8		1670
	1200	575	445T	TEFC	XEX	NEMA Prem	◆	P44G496	14,057	RXE22	44.62	95.4		1860
150	3600	575	445TS	TEFC	XEX	NEMA Prem	◆	P44G753	\$14,674	RXE22	40.88	96.2		1844
	1800	575	445T	TEFC	XEX	NEMA Prem	◆	P44G618	13,190	RXE22	44.62	96.2		1860
	1200	575	447T	TEFC	XEX	NEMA Prem	◆	P44G5207	17,030	RXE22	48.4	96.2	5	2110

◆ - 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

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575V Extra Tough - XT / XEX Totally Enclosed - IP54

Foot Mounted 1/2 - 350HP

HP	Synch RPM	Voltage	Frame	Enclosure	Product	Efficiency Standard	Model Number	List Price	Price Symbol	"C" Dim	Eff. @ Full Load	Notes	Approx. Wt.
200	3600	575	445TS	TEFC	XEX	NEMA Prem	◆ P44G5663	18,577	RXE22	40.88	96.2		1844
	1800	575	447T	TEFC	XEX	NEMA Prem	◆ P44G5206	16,545	RXE22	48.4	96.2	5	2400
	1800	575	447T	TEFC	XEX	NEMA Prem	◆ P44G5212	16,545	RXE22	48.4	96.2		2400
	1200	575	447T	TEFC	XEX	NEMA Prem	◆ P44G5213	19,053	RXE22	48.4	95.8		2400
	1200	575	449T	TEFC	XEX	NEMA Prem	◆ P44G5208	19,053	RXE22	53.4	96.2	5	2590
250	3600	575	447TS	TEFC	XEX	NEMA Prem	◆ P44G5243	23,935	RXE22	44.65	96.2		2550
	1800	575	449T	TEFC	XEX	NEMA Prem	◆ P44G5246	19,347	RXE22	53.4	96.2		2500
	1200	575	449T	TEFC	XEX	NEMA Prem	◆ P44G5249	24,602	RXE22	53.4	96.2	5	2500
300	3600	575	449TS	TEFC	XEX	NEMA Prem	◆ P44G5244	29,681	RXE22	49.65	95.8		2500
	1800	575	449T	TEFC	XEX	NEMA Prem	◆ P44G5247	22,654	RXE22	53.4	96.5		2500
350	3600	575	449TS	TEFC	XEX	NEMA Prem	◆ P44G5245	33,470	RXE22	49.65	96.2		2500
	1800	575	449T	TEFC	XEX	NEMA Prem	◆ P44G5248	26,359	RXE22	53.4	96.2		2500

◆ - Inverter Duty. See page M-273


Cast Iron Frame

 CC049A – "EPAAct" and "NEMA Prem" model numbers

C-Face Footless 1/2 - 2 HP

HP	Synch RPM	Voltage	Frame	Enclosure	Product	Efficiency Standard	Model Number	List Price	Price Symbol	"C" Dim	Eff. @ Full Load	Notes	Approx. Wt.
1/2	1800	575	56C	TENV	XT		◆ P56X3846	\$388	REM03	10.45	80		33
3/4	1800	575	56C	TENV	XT		◆ P56X3847	416	REM03	11.45	82.5		39
1	1800	575	143TC	TEFC	XT	EPAAct	◆ P14X3831	424	REM03	13.22	82.5		42
1.5	1800	575	145TC	TEFC	XT	EPAAct	◆ P14X3832	440	REM03	13.65	84		41
2	1800	575	145TC	TEFC	XT	EPAAct	◆ P14X3833	470	REM03	14.28	84		43

◆ - Inverter Duty. See page M-273

 CC049A – "EPAAct" and "NEMA Prem" model numbers