

PREMIUM EFFICIENCY
CAST IRON MOTOR

Xtrem-E

Meet or Exceed NEMA Premium
Maximize Energy Efficiency
Inverter Duty
High Torque



Pumps
Crushers
Steel Mills
Compressors
Chemical Plants
Pump & Paper Mills

Premium Efficiency Cast Iron Motors



CONNEX ELECTRIC MOTORS

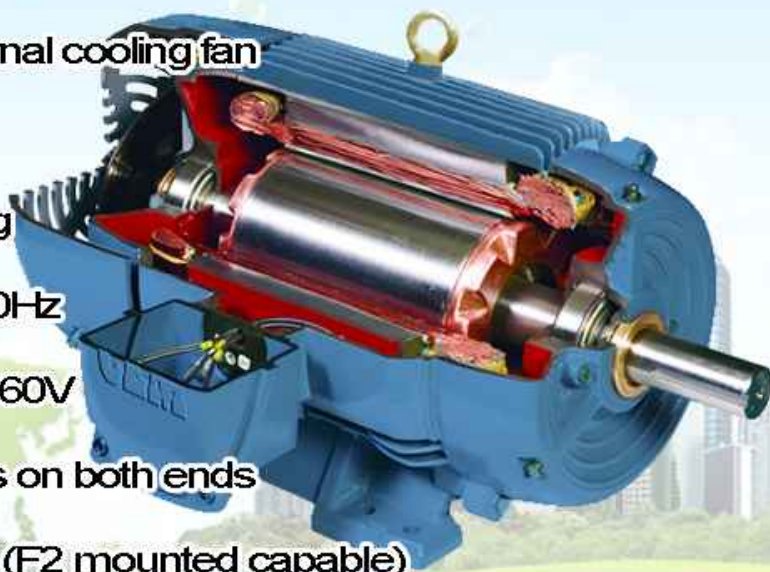
Division of Connex Ind. Corp.

4975 Avalon Ridge Parkway, Suite 200
Norcross, GA 30071, USA



Xtrem-E Features

- * Heavy duty cast iron frame, end shields and fan guard
- * 100% copper windings with non-hygroscopic class F
- * Class B temperature rise at service factor
- * Epoxy painted exterior for superior corrosion protection
- * Epoxy coated rotor and stator for internal corrosion protection
- * Stainless steel nameplate with laser etching
- * Non-sparking external cooling fan
- * Continuous duty
- * 40°C ambient rating
- * Three phase, 50/60Hz
- * Voltage: 208-230/460V
- * Oversized bearings on both ends
- * F1 mounted T-box (F2 mounted capable)
- * Synchronous speed: 3600, 1800, 1200 RPM
- * Efficiency meets or exceeds NEMA Premium
- * Inverter Duty with all kinds of inverter switches



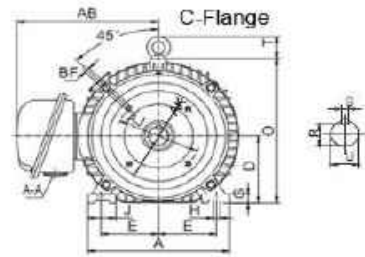
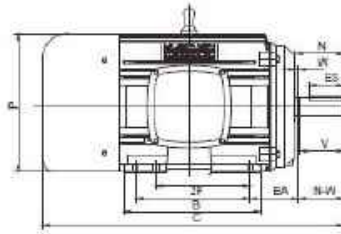
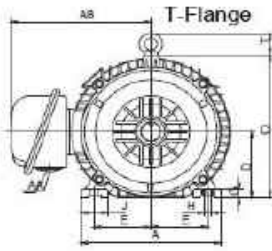


Premium Efficiency Cast Iron Motor Performance Data

PERFORMANCE DATA

HP	Frame	Full Load RPM	Efficiency %	Power Factor	Amps @ 480 V		Full Load LBS-FT	Locked Rotor Torque % FLT	Pull Out Torque % FLT	Approx Weight (lbs)	Bearings	
			100% F. L.	100% F. L.	Full Load	Locked Rotor					DE	ODE
1	143T	3480	78.0	0.83	1.55	15.0	1.5			44	6205	6205
	143T	1740	85.5	0.65	1.50	15.0	3.0	275	300	46	6205	6205
	145T	1140	82.5	0.64	1.70	15.0	4.6	170	265	53	6205	6205
1 1/2	143T	3500	84.0	0.83	2.00	20.0	2.3	175	250	46	6205	6205
	145T	1740	86.5	0.70	2.20	20.0	4.5	250	280	51	6205	6205
	182T	1165	87.5	0.64	2.30	20.0	6.8	165	250	87	6306	6306
2	145T	3500	85.5	0.85	2.42	25.0	3.0	170	240	48	6205	6205
	145T	1740	86.5	0.79	2.80	25.0	6.0	235	270	55	6205	6205
	184T	1185	88.5	0.69	2.90	25.0	9.0	160	240	91	6306	6306
3	182T	3510	86.5	0.86	3.70	32.0	4.5	160	230	86	6306	6306
	182T	1745	89.5	0.79	4.00	32.0	9.0	215	250	89	6306	6306
	213T	1170	89.5	0.71	4.20	32.0	13.5	155	230	156	6308	6308
5	184T	3515	88.5	0.86	5.80	46.0	7.5	150	215	102	6306	6306
	184T	1740	89.5	0.79	6.30	46.0	15.1	185	225	94	6306	6306
	215T	1170	89.5	0.75	6.70	46.0	22.4	150	215	172	6308	6308
7 1/2	213T	3525	89.5	0.88	8.80	63.5	11.2	140	200	154	6308	6308
	213T	1750	91.7	0.83	9.00	63.5	22.5	175	215	172	6308	6308
	254T	1175	91.0	0.71	9.80	63.5	33.5	150	205	242	6309	6309
10	215T	3525	90.2	0.88	11.2	81.0	14.9	135	200	163	6308	6308
	215T	1750	91.7	0.83	12.0	81.0	30.0	165	200	196	6308	6308
	256T	1170	91.0	0.75	13.2	81.0	44.9	150	200	261	6309	6309
15	254T	3515	91.0	0.88	17.2	116.0	22.4	130	200	260	6309	6309
	254T	1750	92.4	0.85	18.0	116.0	45.0	160	200	275	6309	6309
	284T	1175	91.7	0.77	18.5	116.0	67.0	140	200	363	6311	6311
20	256T	3530	91.0	0.89	22.5	145.0	29.8	130	200	268	6309	6309
	256T	1750	93.0	0.84	24.0	145.0	60.0	150	200	317	6309	6309
	286T	1175	91.7	0.79	24.5	145.0	89.4	135	200	394	6311	6311
25	284TS	3530	91.7	0.91	28.0	182.5	37.2	130	200	383	6311	6311
	284T	1760	93.6	0.87	28.5	182.5	74.6	150	200	389	6311	6311
	324T	1175	93.0	0.78	29.5	182.5	111.7	135	200	510	6312	6312
30	286TS	3530	91.7	0.91	33.7	217.5	44.6	130	200	418	6311	6311
	286T	1760	93.6	0.85	34.0	217.5	89.5	150	200	427	6311	6311
	326T	1180	93.0	0.78	35.5	217.5	133.5	135	200	539	6312	6312
40	324TS	3540	92.4	0.88	44.5	290.0	59.3	125	200	532	6312	6312
	324T	1760	94.1	0.87	45.0	290.0	119.4	140	200	541	6312	6312
	364T	1180	94.1	0.82	46.5	290.0	178.0	135	200	724	6313	6313
50	326TS	3545	93.0	0.91	55.0	362.5	74.1	120	200	568	6312	6312
	326T	1765	94.5	0.87	56.0	362.5	148.8	140	200	616	6312	6312
	365T	1180	94.1	0.86	58.0	362.5	222.5	135	200	779	6313	6313
60	364TS	3560	93.6	0.87	66.0	435.0	88.5	120	200	805	6313	6313
	364T	1780	95.0	0.85	67.0	435.0	177.0	140	200	788	6313	6313
	404T	1180	94.5	0.83	68.0	435.0	267.1	135	200	959	6315	6314
75	365TS	3560	93.6	0.87	82.5	542.5	110.6	105	200	807	6313	6313
	365T	1780	95.4	0.84	83.0	542.5	221.3	140	200	869	6313	6313
	405T	1180	94.5	0.81	85.0	542.5	333.8	135	200	1085	6315	6314
100	405TS	3560	94.1	0.86	109	725.0	147.5	105	200	1107	6314	6314
	405T	1780	95.4	0.85	110	725.0	295.1	125	200	1276	6315	6314
	444T	1185	95.0	0.89	113	725.0	443.2	125	200	1364	NU319	6318
125	444TS	3565	95.0	0.90	135	907.5	184.2	100	200	1331	6314	6314
	444T	1780	95.4	0.88	137	907.5	368.8	110	200	1430	NU319	6318
	445T	1185	95.0	0.88	140	907.5	554.0	125	200	1562	NU319	6318
150	445TS	3570	95.0	0.90	162	1085	221	100	200	1459	6314	6314
	445T	1780	95.8	0.89	164	1085	443	110	200	1756	NU319	6318
	447T	1185	95.8	0.88	165	1085	665	120	200	1826	NU319	6318
200	447TS	3570	95.4	0.91	213	1450	294	100	200	1668	6314	6314
	447T	1780	96.2	0.89	216	1450	590	100	200	1866	NU319	6318
	449T	1185	95.8	0.88	220	1450	886	120	200	2134	NU319	6318
250	449TS	3570	95.8	0.90	266	1825	368	70	175	1954	6314	6314
	449T	1780	96.2	0.90	270	1825	738	80	175	2064	NU319	6318
	449TS	3570	95.8	0.89	320	2200	441	70	175	2087	6314	6314
300	449T	1780	96.2	0.88	325	2200	885	80	175	2196	NU319	6318

Premium Efficiency Cast Iron Motor Dimensional Data



Frame	Mounting				Shaft					General				C-Flange		
	2E	2F	H	BA	N-W	U	S	R	ES	C	D	O	AA	AB	AJ	AK
143T	5.5	4	0.34	2.25	2.25	0.875	0.188	0.771	1.41	15.35	3.5	7.02	3/4	5.90	/	/
145T		5		2.75											4.5	
143TC		4	5.875	4.5												
145TC		5														
182T	7.5	4.5	0.41	2.75	2.75	1.125	0.25	0.988	1.78	17.72	4.5	8.9	3/4	7.03	/	/
184T		5.5		8.5												
182TC		4.5	7.25	8.5												
184TC		5.5														
213T	8.5	5.5	0.41	3.5	3.38	1.375	0.312	1.201	2.41	22.25	5.25	10.45	1	7.8	/	/
215T		7		8.5												
213TC		5.5	7.25	8.5												
215TC		7														
254T	10	8.25	0.53	4.25	4	1.625	0.375	1.416	2.91	27.00	6.25	12.44	1 1/4	9.96	/	/
256T		10		8.5												
254TC		8.25	7.25	8.5												
256TC		10														
284T	11	9.50	0.53	4.75	4.62	1.875	0.5	1.591	3.28	30.20	7	13.94	1 1/2	10.83	9	10.5
286T		11														
284TS		9.50	28.83													
286TS		11														
324T	12.5	10.5	0.66	5.25	5.25	2.125	0.5	1.845	3.91	32.40	8	15.94	2	12.88	11	12.5
326T		12														
324TS		10.5	30.90													
326TS		12														
364T	14	11.25	0.66	5.88	5.88	2.375	0.625	2.021	4.28	36.50	9	17.95	3	14	11	12.5
365T		12.25														
364TS		11.25	34.02													
365TS		12.25														
404T	16	12.25	0.81	6.62	7.25	2.875	0.75	2.45	5.85	41.36	10	19.85	3	15.13	11	12.5
405T		13.75														
404TS		12.25	38.36													
405TS		13.75														
444T	18	14.5	0.81	7.5	8.5	3.375	0.875	2.88	6.91	47.25	11	22.05	3	17.97	14	16
445T		16.5														
444TS		14.5	43.50													
445TS		16.5														
447T	18	20	0.81	7.5	8.5	3.375	0.875	2.88	6.91	53.55	11	22.05	3	17.97	14	16
449T		25														
447TS		20	49.80													
449TS		25														