

MEET THE NEW
marathon[®]

WAUSAU, WISCONSIN, USA



**BLUECHIP[®] XRI[®] SEVERE DUTY AND
BLUECHIP[®] XRI[®] IEEE-841 MOTORS**
FEB 2026 | NORTH AMERICA | BROCHURE

BLUE CHIP® XRI®-SD SEVERE DUTY

APPLICATIONS

Chemical plants, paper mills, refineries, mines, food processing, foundries, and other severe duty environments where long life and ultra-high efficiency are desired.

Guaranteed efficiencies offer an extra return on your Investment (ROI) when using these premium efficiency motors on high cycle or long run applications.

FEATURES

- Meets or exceeds NEMA® Premium efficiencies
- NEMA Premium® models are in compliance with EISA 2007
- Bearing Current Protection (BCP) on selected items
- Blue Chip® series quality, 100% cast iron construction for rigidity and reduced vibration
- Internal and external epoxy paint
- MAX GUARD® motor Class H insulation system
- Inverter duty rated on the nameplate
- Bearing caps (182T and larger)
- Precision balanced to .08"/sec
- Extended grease tubes, regreasable in service
- Bronze sintered drain and breather
- Meets IEEE45 USCG Marine Duty, IP55 construction
- Meets Ford® EM1 automotive duty specification
- Hazardous Duty motor Division 2 CSA® certification nameplate
- Division 2/ Zone 2 Class I (gases), Groups A, B, C, D
- Meets temperature code T2B
- Actual test and vibration data supplied with each motor
- Ball bearings or roller bearings available
- UL® recognized and CSA certified and CE® mark
- Three year warranty⁽¹⁾

SEE OUR ACCESSORY KITS AND MODIFICATION SECTIONS FOR ADDITIONAL OPTIONS:

- C-face
- D-flange
- Nameplate changes such as 50HZ, higher ambient

Cast iron fan guard Inlet closing plug



Outlet closing plug

NDE grease outlet extended
pipe with pipe plug

(1) The warranty terms and conditions of sale is available through this link <https://www.marathonelectric.com> Please contact the nearest Marathon regional office or applicable Seller product catalog or seller for more information regarding duration of warranty period.

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THE DISTANCE

V-ring seal on
opposite drive
end

NDE grease inlet zerk fitting

Epoxy coated rotor & stator assembly

DE grease inlet zerk fitting

DE grease outlet pipe plug

V-ring seal on drive end

BLUE CHIP® XRI® - SEVERE DUTY CATALOG

HP	RPM	Voltage	Frame	CAT. No.	Model No.	CT Speed Range	Nom EFF	F.L. Amps	WT	C DIM	Foot Notes
1 1/2	1200	230/460	182T	E465A	182TTTCD6578	10:1	87.5	4.6/2.3	106	12.82	N
	1200	460	182T	E632A	182TTTCD6576	10:1	87.5	2.3	109	12.82	N
	1200	460	182T	E380B	182TTFC6584	10:1	87.5	2.3	118	15.20	
2	1200	230/460	184T	E468A	184TTTCD6582	10:1	88.5	6.0/3.0	124	13.62	N
	1200	460	184T	E633A	184TTTCD6576	10:1	88.5	3.0	102	13.82	N
	1200	460	184T	E388B	184TTFC6576	10:1	88.5	3.0	129	16.20	
3	3600	230/460	182T	E390A	182TTFC6501	10:1	86.5	8.0/4.0	97	15.20	
	3600	460	182T	E601A	182TTTCD6501	2:1	89.5	3.5	103	13.82	N
	3600	575	182T	E392A	182TTFC6505	2:1	86.5	3.2	100	15.20	
	3600	575	182T	E853A	182TTTCD6505	2:1	89.5	2.8	54	13.82	N
	1800	230/460	182T	E470A	182TTTCD6538	10:1	89.5	7.8/3.9	112	13.82	N
	1800	460	182T	E616A	182TTTCD6526	10:1	89.5	3.9	112	13.82	N
	1800	575	182T	E669A	182TTTCD6530	10:1	89.5	3.1	120	13.82	N
	1200	230/460	213T	E471B	213TTFC6594	20:1	89.5	8.6/4.3	179	18.53	
1200	460	213T	E634B	213TTFC6576	20:1	89.5	4.3	179	18.53		
5	3600	230/460	184T	E472A	184TTFC6810	20:1	88.5	12.0/6.0	103	16.20	
	3600	460	184T	E602A	184TTFC6501	10:1	88.5	6.0	106	16.20	
	3600	575	184T	E655A	184TTFC6505	2:1	88.5	4.8	111	16.20	
	1800	230/460	184T	E473A	184TTFC6844	20:1	89.5	13.0/6.5	126	16.20	
	1800	460	184T	E617A	184TTFC6526	20:1	89.5	6.5	118	16.20	
	1800	575	184T	E670A	184TTFC6530	10:1	89.5	5.2	118	16.20	
	1200	230/460	215T	E474B	215TTFC6881	20:1	89.5	13.6/6.8	209	20.03	
	1200	460	215T	E635B	215TTFC6576	20:1	89.5	6.8	203	20.03	
1200	575	215T	E683B	215TTFC6580	10:1	89.5	5.5	194	20.03		
7 1/2	3600	230/460	213T	E475B	213TTTCD6502	2:1	91.0	17.4/8.7	176	15.97	N
	3600	460	213T	E603B	213TTTCD6501	2:1	91.0	8.7	176	15.97	N
	3600	460	213T	E396B	213TTFC6501	20:1	89.5	9.2	156	18.53	
	3600	575	213T	E656B	213TTTCD6505	2:1	91.0	7.0	188	15.97	N
	1800	230/460	213T	E476B	213TTFC6531	20:1	91.7	19.0/9.5	197	18.53	
	1800	460	213T	E618B	213TTFC6526	20:1	91.7	9.5	205	18.53	
	1800	575	213T	E671B	213TTFC6530	10:1	91.7	7.6	201	18.53	
	1200	230/460	254T	E477A	254TTFC6590	10:1	91.0	19.8/9.9	299	24.15	
1200	460	254T	E636A	254TTFC6576	10:1	91.0	9.9	299	24.15		
1200	575	254T	E684A	254TTFC6578	10:1	91.0	7.9	297	24.15		
10	3600	230/460	215T	E478B	215TTFC6807	20:1	90.2	23.6/11.8	210	20.03	
	3600	460	215T	E604B	215TTFC6501	20:1	90.2	11.8	227	20.03	
	3600	575	215T	E657B	215TTFC6505	2:1	90.2	9.5	195	20.03	
	1800	230/460	215T	E479B	215TTFC6527	20:1	91.7	25.0/12.5	228	20.03	
	1800	460	215T	E619B	215TTFC6526	20:1	91.7	12.5	212	20.03	
	1800	575	215T	E672B	215TTFC6530	10:1	91.7	10.0	216	20.03	
	1200	230/460	256T	E480A	256TTFC6596	10:1	91.0	25.8/12.9	319	25.89	
	1200	460	256T	E637A	256TTFC6576	10:1	91.0	12.9	344	25.89	
1200	575	256T	E685A	256TTFC6578	10:1	91.0	10.3	317	25.89		
15	3600	230/460	254T	E481A	254TTFC6515	20:1	91.0	35.5/17.8	335	24.15	
	3600	460	254T	E605A	254TTFC6501	20:1	91.0	17.8	333	24.15	
	3600	575	254T	E658A	254TTFC6503	2:1	91.0	14.3	335	24.15	
	1800	230/460	254T	E482A	254TTFC6529	10:1	92.4	37.5/18.8	345	24.15	
	1800	460	254T	E620A	254TTFC6526	20:1	92.4	18.8	347	24.15	
	1800	575	254T	E673A	254TTFC6528	10:1	92.4	15.1	327	24.15	
	1200	230/460	284T	E483A	284TTFC6876	10:1	91.7	40.0/20.0	479	26.64	
	1200	460	284T	E638A	284TTFC6576	10:1	91.7	20.0	479	26.64	
1200	575	284T	E694A	284TTFC6580	10:1	91.7	16.0	479	26.64		

BLUE CHIP® XRI® - SEVERE DUTY CATALOG

HP	RPM	Voltage	Frame	CAT. No.	Model No.	CT Speed Range	Nom EFF	F.L. Amps	WT	C DIM	Foot Notes
20	3600	230/460	256T	E484A	256TTFCD6523	2:1	91.0	47.5/23.7	345	25.89	
	3600	460	256T	E606A	256TTFCD6501	2:1	91.0	23.7	375	25.89	
	3600	575	256T	E659A	256TTFCD6503	2:1	91.0	19.0	375	25.89	
	1800	230/460	256T	E485A	256TTFCD6529	10:1	93.0	48.5/24.2	355	25.89	
	1800	460	256T	E621A	256TTFCD6526	20:1	93.0	24.2	425	25.89	
	1800	575	256T	E674A	256TTFCD6528	10:1	93.0	19.4	425	25.89	
	1200	230/460	286T	E486A	286TTFCD6876	10:1	91.7	52.0/26.0	479	28.14	
	1200	460	286T	E639A	286TTFCD6576	10:1	91.7	26.0	490	28.14	
1200	575	286T	E695A	286TTFCD6580	10:1	91.7	20.8	450	28.14		
25	3600	230/460	284TS	E487A	284TSTFCD6807	2:1	91.7	60.0/30.0	440	25.27	
	3600	460	284TS	E607A	284TSTFCD6501	2:1	91.7	30.0	440	25.27	
	3600	575	284TS	E660A	284TSTFCD6502	2:1	91.7	24.0	481	25.27	
	1800	230/460	284T	E488A	284TTFCD6837	10:1	93.6	60.0/30.0	494	26.64	
	1800	460	284T	E622A	284TTFCD6526	10:1	93.6	30.0	486	26.64	
	1800	575	284T	E675A	284TTFCD6527	20:1	93.6	24.0	432	26.64	
	1200	460	324T	E640A	324TTFCD6576	20:1	93.0	32.0	620	29.85	
	1200	575	324T	E696A	324TTFCD6577	20:1	93.0	25.6	675	29.85	
30	3600	230/460	286TS	E490A	286TSTFCD6804	2:1	91.7	71.0/35.5	450	26.77	
	3600	460	286TS	E608A	286TSTFCD6501	2:1	91.7	35.5	450	26.77	
	1800	230/460	286T	E491A	286TTFCD6570	2:1	93.6	71.0/35.5	529	28.14	
	1800	460	286T	E623A	286TTFCD6526	2:1	93.6	35.5	527	28.14	
	1800	575	286T	E676A	286TTFCD6527	2:1	93.6	28.4	525	28.14	
	1200	460	326T	E641A	326TTFCD6576	20:1	93.0	38.0	658	31.35	
	1200	575	326T	E400A	326TTFCD6580	2:1	93.0	30.5	303	31.35	
40	3600	460	324TS	E609A	324TSTFCD6501	2:1	92.4	46.0	600	28.35	
	3600	575	324TS	E662A	324TSTFCD6505	2:1	92.4	37.0	452	28.35	
	1800	460	324T	E624A	324TTFCD6526	20:1	94.1	47.5	702	29.85	
	1800	575	324T	E677A	324TTFCD6527	20:1	94.1	38.0	670	29.85	
	1200	460	364T	E642B	364TTFCD16584	2:1	94.1	48.0	882	33.40	
	1200	575	364T	E401B	364TTFCD16585	2:1	94.1	38.5	397	33.40	
50	3600	460	326TS	E610A	326TSTFCD6501	2:1	94.1	56.5	695	29.85	
	3600	575	326TS	E663A	326TSTFCD6502	2:1	94.1	45.0	725	29.85	
	1800	460	326T	E625A	326TTFCD6526	2:1	94.5	58.5	716	31.35	
	1800	460	326TS	E453A	326TSTFCD6536	10:1	94.5	58.5	765	29.85	
	1800	575	326T	E678A	326TTFCD6527	2:1	94.5	47.0	730	31.35	
	1200	460	365T	E643B	365TTFCD16591	10:1	94.1	60.5	987	34.40	
	1200	575	365T	E402B	365TTFCD16592	2:1	94.1	48.5	1001	34.40	
60	3600	460	364TS	E611A	364TSTFCD6501	2:1	93.6	67.5	830	33.27	
	3600	575	364TS	E664A	364TSTFCD6505	2:1	93.6	54.0	407	33.27	
	1800	460	364T	E626A	364TTFCD6536	10:1	95.0	68.0	932	33.40	
	1800	460	364TS	E454A	364TSTFCD6526	20:1	95.0	68.0	980	33.27	
	1800	575	364T	E679A	364TTFCD6537	20:1	95.0	54.5	980	33.40	
	1200	460	404T	E644A	404TTFCD6586	20:1	94.5	71.5	1200	38.88	
	1200	575	404T	E403A	404TTFCD6592	2:1	94.5	57.0	1200	38.88	
75	3600	460	365TS	E612A	365TSTFCD6501	2:1	94.5	84.0	939	34.27	
	3600	575	365TS	E665A	365TSTFCD6502	2:1	94.5	67.0	939	34.27	
	1800	460	365T	E627A	365TTFCD6536	10:1	95.5	85.0	979	34.40	
	1800	460	365TS	E455A	365TSTFCD6526	2:1	95.5	85.0	1028	34.27	
	1800	575	365T	E680A	365TTFCD6537	10:1	95.5	68.0	1028	34.40	
	1200	460	405T	E645A	405TTFCD6586	2:1	94.5	89.0	1306	38.88	
1200	575	405T	E404A	405TTFCD6587	20:1	94.5	71.0	1295	38.88		

BLUE CHIP® XRI® - SEVERE DUTY CATALOG

HP	RPM	Voltage	Frame	CAT. No.	Model No.	CT Speed Range	Nom EFF	F.L. Amps	WT	C DIM	Foot Notes
100	3600	460	405TS	E613A	405TSTFCD6501	2:1	94.5	111	1185	35.88	
	3600	575	405TS	E493A	405TSTFCD6502	2:1	94.5	89.0	1146	35.88	
	1800	460	405T	E628A	405TTFCD6536	2:1	95.4	113	1325	38.88	
	1800	460	405TS	E456A	405TSTFCD6526	2:1	95.4	113	1295	35.88	
	1800	575	405T	E681A	405TTFCD6538	2:1	95.4	90.5	1295	38.88	
	1200	460	444T	E646B	444TTFCD16581	2:1	95.0	115	1864	46.83	
	1200	575	444T	E405B	444TTFCD16582	2:1	95.0	91.5	1859	46.83	
125	3600	460	444TS	E614A	444TSTFCD6501	2:1	95.0	138	1680	43.08	
	3600	575	444TS	E494A	444TSTFCD6505	2:1	95.0	110	1761	43.08	
	1800	460	444T	E629A	444TTFCD6536	2:1	95.4	140	1707	46.83	
	1800	460	444TS	E457A	444TSTFCD6526	2:1	95.4	140	1707	43.08	
	1800	575	444T	E697A	444TTFCD6540	2:1	95.4	112	1707	46.83	
	1200	460	445T	E647A	445TTFCD6586	2:1	95.0	143	1961	46.83	
	1200	575	445T	E406A	445TTFCD6590	2:1	95.0	114	1961	46.83	
150	3600	460	445TS	E615A	445TSTFCD6501	2:1	95.0	161	1909	43.08	
	3600	575	445TS	E495A	445TSTFCD6502	2:1	95.0	128	1909	43.08	
	1800	460	445T	E630A	445TTFCD6536	2:1	95.8	169	1900	46.83	
	1800	460	445TS	E458A	445TSTFCD6526	2:1	95.8	169	1900	43.08	
	1800	575	445T	E682A	445TTFCD6537	2:1	95.8	135	1900	46.83	
	1200	460	445T	E448A	445TTFCD6587	2:1	95.8	171	2429	51.20	RB
	1200	575	445T	E407A	445TTFCD6591	2:1	95.8	136	1020	51.20	
200	3600	460	445TS	E449A	445TSTFCD6505	2:1	95.4	217	2303	47.45	
	3600	575	445TS	E496A	445TSTFCD6506	2:1	95.4	174	2303	47.45	
	1800	460	445T	E631A	445TTFCD6538	2:1	96.5	219	2276	51.20	RB
	1800	460	445TS	E459A	445TSTFCD6528	2:1	96.5	219	2257	47.45	
	1800	460	449T	E770A	449TTFCD6530	2:1	96.5	219	2309	55.33	
	1800	460	449T	E854A	449TTFCD6540	2:1	96.5	219	2310	55.33	RB
	1800	575	449T	E856A	449TTFCD6564	2:1	96.5	175	1071	55.33	RB
	1200	460	449T	E773A	449TTFCD6578	2:1	95.8	230	2568	55.33	
	1200	460	449T	E687A	449TTFCD6588	2:1	95.8	230	2570	55.33	RB
	1200	575	449T	E408A	449TTFCD6582	2:1	95.8	184	2570	55.33	RB
250	3600	460	449TS	E699A	449TSTFCD6503	2:1	95.8	266	2458	51.58	
	1800	460	449T	E771A	449TTFCD6528	2:1	96.2	272	2638	55.33	
	1800	460	449T	E690A	449TTFCD6538	2:1	96.2	272	2770	55.33	RB
	1200	460	449T	E774A	449TTFCD6577	2:1	95.8	285	2213	55.33	
300	3600	460	449TS	E698A	449TSTFCD6502	2:1	95.8	320	2549	51.58	
	1800	460	449T	E691A	449TTFCD6537	2:1	96.2	332	2473	55.33	RB
	1800	460	449T	E772A	449TTFCD6527	2:1	96.2	332	2840	55.33	
	1800	575	449T	E345A	449TTFCD16534	2:1	96.2	266	1071	55.33	
	1200	460	449T	E360	449TTFCD6576	2:1	95.8	342	3154	59.27	
350	3600	460	449TS	E769A	449TSTFCD6501	2:1	95.8	373	2621	51.58	
	1800	460	449T	E692A	449TTFCD6536	2:1	96.2	390	2860	55.33	RB
400	3600	460	447/449TS	E369A	449TSTFCD6500	2:1	95.8	427	2996	55.51	
	1800	460	449T	E776A	449TTFCD16553	NONE	96.5	440	3154	59.27	

marathon®

GET MORE INDUSTRIAL MOTOR SOLUTIONS FROM AN **INDUSTRY-LEADING BRAND THAT IS BUILT TO GO THE DISTANCE.**

PERFORMANCE, POWER AND PRICE. YOU GOT IT.

You don't just need a motor. You need the right frame, mounting, shaft, and output. By selecting a Marathon® brand motor, you have more ways to find the perfect combination of performance and power.



Marathon® motors have kept the industrial marketplace in motion, not to mention millions of institutional and industrial motor applications that efficiently convert power to motion to keep the world moving. If it moves, or moves you, don't be surprised if our industrial brands are at the center of it all.

**"Products made to,
Runs and Runs and Runs."**

IMPROVED FEATURES.

The Blue Chip® XRI®-Severe Duty motor is built even better than before with the improved IP55 enclosure for tough industrial applications.

MORE RATINGS, MORE INVENTORY.

We've expanded our Blue Chip® XRI®-841 product offering to include a full line of motors with Bearing Current Protection. Most are in-stock, ready to keep you up and running.

BUILT TO WORK



(1)The warranty terms and conditions of sale is available through this link <https://www.marathonelectric.com> Please contact the nearest Marathon regional office or applicable Seller product catalog or seller for more information regarding duration of warranty period.

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, BUILT TO LAST

Epoxy coated rotor & stator assembly

DE grease inlet zerk fitting

DE grease outlet pipe plug

Labyrinth on drive end

BLUE CHIP® XRI®-841 IEEE®* – 841

APPLICATIONS

For extreme applications in the process industries such as chemical plants, pulp and paper mills, refineries, above-ground mines, food processing, foundries, and other severe duty environments where long life and ultra-high efficiency are required.

Guaranteed efficiencies offer an extra Return on your Investment (ROI) when using these premium efficiency motors on high cycle or long run applications.

FEATURES

- Meets or exceeds NEMA®* Premium efficiencies
- Silicon-free construction
- Bearing Current Protection (BCP) on selected items
- Blue Chip® series quality, 100% cast iron construction for rigidity and reduced vibration
- Inpro/ Seal®* VBX®* bearing isolators on drive end shaft extension TENV and on both ends of TEFC
- Internal and external epoxy paint
- MAX GUARD® motor Class H insulation system
- Inverter duty rated on the nameplate
- Bearing caps (182T and larger)
- Precision balanced to .08"/sec
- Extended grease tubes, regreasable in service
- Bronze sintered drain and breather
- Meets General Motors®* GM®* 7E-TA automotive duty specification
- Meets IEEE45 USCG Marine Duty, API RPI4F for offshore platforms, IP56
- Meets NEMA MG1 - 1.26.6 waterproof specification
- Hazardous Duty motor Division 2 CSA®* certification nameplate
- Division 2/ Zone 2 Class I (gases), Groups A, B, C, D
- Meets temperature code T2B
- Actual test and vibration data supplied with each motor
- Ball bearings and roller bearings available
- UL®* recognized and CSA certified and CE®* mark
- Five year warranty⁽¹⁾

SEE OUR ACCESSORY KITS AND MODIFICATION SECTIONS FOR ADDITIONAL OPTIONS:

- C-face
- D-flange
- Nameplate changes such as 50HZ, higher ambient

BLUE CHIP® XRI® - IEEE 841 CATALOG

HP	RPM	Voltage	Frame	CAT. No.	Model No.	CT Speed Range	Nom EFF	F.L. Amps	WT	C DIM	Foot Notes
1	900	460	182T	W504A	182THFCD19101	10:1	75.5	2.0	90	15.20	
1 1/2	1200	460	182T	W509A	182THTCD9076	10:1	87.5	2.3	111	12.82	N
	900	460	184T	W510A	184THFCD9101	10:1	78.5	2.5	97	16.20	
2	1200	460	184T	W515A	184THTCD9076	10:1	88.5	3.0	124	13.82	N
	900	460	213T	W516A	213THFCD9101	10:1	84.0	3.2	150	18.53	
3	3600	460	182T	W517A	182THTCD9001	2:1	89.5	3.5	100	13.82	N
	1800	460	182T	W519A	182THTCD9026	10:1	89.5	3.9	109	13.82	N
	1800	460	182T	W519A-P	182THTCD9037	10:1	89.5	3.9	144	13.82	N,P
	1800	575	182T	W520A	182THTCD19033	10:1	89.5	3.1	54	13.82	N
	1200	460	213T	W521B	213THFCD9076	10:1	89.5	4.3	184	18.53	
	900	460	215T	W522B	215THFCD9101	10:1	85.5	4.6	230	20.03	
5	3600	460	184T	W523A	184THFCD9001	2:1	88.5	6.0	101	16.20	
	3600	575	184T	W524A	184THFCD19006	2:1	88.5	4.8	102	16.20	
	1800	460	184T	W525A	184THFCD9026	10:1	89.5	6.5	109	16.20	
	1800	460	184T	W525A-P	184THFCD9037	10:1	89.5	6.5	116	16.20	P
	1800	575	184T	W526A	184THFCD9030	10:1	89.5	5.2	118	16.20	
	1200	460	215T	W527B	215THFCD9076	10:1	89.5	6.8	178	20.03	
	1200	575	215T	W528B	215THFCD19077	10:1	89.5	5.5	222	20.03	
	900	460	254T	W529A	254THFCD9101	10:1	86.5	7.1	332	24.15	
7 1/2	3600	460	213T	W530B	213THTCD9001	2:1	91.7	8.6	204	17.47	N
	3600	575	213T	W531A	213THTCD19005	2:1	91.7	6.9	204	17.47	N
	1800	460	213T	W532B	213THFCD9026	10:1	91.7	9.5	215	18.53	
	1800	460	213T	W532B-P	213THFCD9037	10:1	91.7	9.5	213	18.53	P
	1800	575	213T	W533B	213THFCD9030	10:1	91.7	7.6	207	18.53	
	1200	460	254T	W534A	254THFCD9076	10:1	91.0	9.9	299	24.15	
	900	460	256T	W536A	256THFCD9101	10:1	86.5	10.5	386	25.89	
10	3600	460	215T	W537B	215THFCD9001	2:1	90.2	11.8	176	20.03	
	3600	575	215T	W538B	215THFCD19006	2:1	90.2	9.5	200	20.03	
	1800	460	215T	W539B	215THFCD9026	10:1	91.7	12.5	216	20.03	
	1800	460	215T	W539A-P	215THFCD9037	10:1	91.7	12.5	174	20.03	P
	1800	575	215T	W540B	215THFCD19033	10:1	91.7	10.0	216	20.03	
	1200	460	256T	W541A	256THFCD9076	10:1	91.0	12.9	319	25.89	
	1200	575	256T	W542A	256THFCD19081	10:1	91.0	10.3	317	25.89	
	900	460	284T	W543A	284THFCD19102	10:1	89.5	13.8	500	26.64	
15	3600	460	254T	W544A	254THFCD9001	2:1	91.0	17.8	296	24.15	
	3600	575	254T	W545A	254THFCD9005	2:1	91.0	14.3	333	24.15	
	1800	460	254T	W546A	254THFCD9026	10:1	92.4	18.8	293	24.15	
	1800	460	254T	W546A-P	254THFCD19065	10:1	92.4	18.8	310	24.15	P
	1800	575	254T	W547A	254THFCD9030	10:1	92.4	15.1	310	24.15	
	1200	460	284T	W548A	284THFCD9076	10:1	91.7	20.0	427	26.64	
	1200	575	284T	W549A	284THFCD19084	10:1	91.7	16.0	427	26.64	
	900	460	286T	W550A	286THFCD19101	2:1	89.5	20.0	479	28.14	
20	3600	460	256T	W551A	256THFCD9001	2:1	91.0	23.7	338	25.89	
	3600	575	256T	W552A	256THFCD9005	2:1	91.0	18.8	345	25.89	
	1800	460	256T	W553A	256THFCD9026	10:1	93.0	24.2	322	25.89	
	1800	460	256T	W553A-P	256THFCD19056	10:1	93.0	24.2	344	25.89	P
	1800	575	256T	W554A	256THFCD19033	10:1	93.0	19.4	320	25.89	
	1200	460	286T	W555A	286THFCD9076	10:1	91.7	26.0	196	28.14	
	1200	575	286T	W556A	286THFCD19077	10:1	91.7	20.8	432	28.14	
	900	460	324T	W557A	324THFCD9101	2:1	90.2	27.0	673	29.85	

BLUE CHIP® XRI® - IEEE 841 CATALOG

HP	RPM	Voltage	Frame	CAT. No.	Model No.	CT Speed Range	Nom EFF	F.L. Amps	WT	C DIM	Foot Notes
25	3600	460	284TS	W558A	284TSHFCD9001	2:1	91.7	30.0	370	25.27	
	3600	575	284TS	W559A	284TSHFCD9005	2:1	91.7	24.0	386	25.27	
	1800	460	284T	W560A	284THFCD9026	10:1	93.6	30.0	494	26.64	
	1800	460	284T	W560A-P	284THFCD19048	10:1	93.6	30.0	493	26.64	P
	1800	575	284T	W561A	284THFCD19033	10:1	93.6	24.0	441	26.64	
	1200	460	324T	W562A	324THFCD9076	2:1	93.0	32.0	600	29.85	
	1200	575	324T	W563A	324THFCD9080	2:1	93.0	24.0	601	29.85	
30	900	460	326T	W564A	326THFCD9101	2:1	90.2	33.5	757	31.35	
	3600	460	286TS	W565A	286TSHFCD9001	2:1	91.7	35.5	397	26.77	
	3600	575	286TS	W566A	286TSHFCD9005	2:1	91.7	28.5	397	26.77	
	1800	460	286T	W567A	286THFCD9026	10:1	93.6	35.5	469	28.14	
	1800	460	286T	W567A-P	286THFCD19066	10:1	93.6	35.5	531	28.14	P
	1800	575	286T	W568A	286THFCD19033	10:1	93.6	28.4	467	28.14	
	1200	460	326T	W569A	326THFCD9076	2:1	93.0	38.0	693	31.35	
40	1200	575	326T	W643A	326THFCD19078	2:1	93.0	30.5	645	31.35	
	900	460	364T	W570A	364THFCD9101	2:1	91.7	39.0	890	33.40	
	3600	460	324TS	W571A	324TSHFCD9001	2:1	92.4	46.0	595	28.35	
	3600	575	324TS	W572A	324TSHFCD9005	2:1	92.4	37.0	616	28.35	
	1800	460	324T	W573A	324THFCD9026	2:1	94.1	47.5	687	29.85	
	1800	460	324T	W573A-P	324THFCD19058	2:1	94.1	47.5	657	29.85	P
	1800	575	324T	W574A	324THFCD19033	2:1	94.1	38.0	657	29.85	
50	1200	460	364T	W575B	364THFCD19087	2:1	94.1	48.0	887	33.40	
	1200	575	364T	W639A	364THFCD19077	2:1	94.1	38.5	797	33.40	
	900	460	365T	W576A	365THFCD19101	2:1	91.7	51.5	1001	34.40	
	3600	460	326TS	W577A	326TSHFCD9001	2:1	94.1	56.5	702	29.85	
	3600	575	326TS	W578A	326TSHFCD9005	2:1	94.1	45.0	690	29.85	
	1800	460	326T	W580A	326THFCD9026	2:1	94.5	58.5	675	31.35	
	1800	460	326T	W580A-P	326THFCD19071	2:1	94.5	58.5	730	31.35	P
60	1800	460	326TS	W579A	326TSHFCD9036	2:1	94.5	58.5	728	29.85	
	1800	575	326T	W581A	326THFCD19033	2:1	94.5	47.0	730	31.35	
	1200	460	365T	W582B	365THFCD19086	2:1	94.1	60.5	994	34.40	
	1200	575	365T	W640A	365THFCD19077	2:1	94.1	48.5	974	34.40	
	900	460	404T	W583A	404THFCD9101	2:1	92.4	62.0	1338	38.88	
	3600	460	364TS	W584A	364TSHFCD9001	2:1	93.6	67.5	833	33.27	
	3600	575	364TS	W585A	364TSHFCD9005	2:1	93.6	54.0	886	33.27	
75	1800	460	364T	W587A	364THFCD9036	2:1	95.0	68.0	878	33.40	
	1800	460	364T	W587A-P	364THFCD19061	2:1	95.0	68.0	944	33.40	P
	1800	460	364TS	W586A	364TSHFCD9026	2:1	95.0	68.0	875	33.27	
	1800	575	364T	W588A	364THFCD19033	2:1	95.0	54.5	944	33.40	
	1200	460	404T	W589A	404THFCD9086	2:1	94.5	71.5	1292	38.88	
	900	460	405T	W590A	405THFCD19101	2:1	92.4	74.5	1558	38.88	
	3600	460	365TS	W591A	365TSHFCD9001	2:1	94.5	84.0	900	34.27	
75	3600	575	365TS	W592A	365TSHFCD19002	2:1	94.5	67.0	907	34.27	
	1800	460	365T	W594A	365THFCD9036	2:1	95.5	85.0	988	34.40	
	1800	460	365T	W594A-P	365THFCD19065	2:1	95.5	85.0	1063	34.40	P
	1800	460	365TS	W593B	365TSHFCD19034	2:1	95.5	85.0	981	34.27	
	1800	575	365T	W595A	365THFCD9044	2:1	95.5	68.0	1063	34.40	
	1200	460	405T	W596A	405THFCD9086	2:1	94.5	89.0	1292	38.88	
	1200	575	405T	W686	405THFS19081	2:1	94.5	72.0	1297	38.88	
900	460	444T	W597A	444THFCD9101	2:1	93.6	92.0	1867	46.83		

BLUE CHIP® XRI® - IEEE 841 CATALOG

HP	RPM	Voltage	Frame	CAT. No.	Model No.	CT Speed Range	Nom EFF	F.L. Amps	WT	C DIM	Foot Notes
100	3600	460	405TS	W598A	405TSHFCD9001	2:1	94.5	111	1125	35.88	
	1800	460	405T	W600A	405THFCD9036	2:1	95.4	113	1283	38.88	
	1800	460	405T	W600A-P	405THFCD19327	2:1	95.4	113	1349	38.88	P
	1800	460	405TS	W599A	405TSHFCD9026	2:1	95.4	113	1257	35.88	
	1800	575	405T	W601A	405THFCD9040	2:1	95.4	90.5	1295	38.88	
	1200	460	444T	W636A	444THFCD19081	2:1	95.0	115	1830	46.83	
	900	460	445T	W603A	445THFCD9106	2:1	93.6	123	2048	46.83	
125	3600	460	444TS	W604B	444TSHFCD19002	2:1	95.0	138	1649	43.08	
	1800	460	444T	W606A	444THFCD9036	2:1	95.4	140	1676	46.83	
	1800	460	444T	W606A-P	444THFCD19044	2:1	95.4	140	1707	46.83	P
	1800	575	444T	W607A	444THFCD9040	2:1	95.4	112	1707	46.83	
	1200	460	445T	W608A	445THFCD9086	2:1	95.0	143	1932	46.83	
	900	460	445T	W609A	445THFCD9102	2:1	94.1	162	2432	51.20	
150	3600	460	445TS	W610A	445TSHFCD9001	2:1	95.0	161	1870	43.08	
	1800	460	445T	W612A	445THFCD9036	2:1	95.8	169	1857	46.83	
	1800	460	445T	W612A-P	445THFCD19071	2:1	95.8	169	1900	46.83	P
	1800	460	445TS	W611A	445TSHFCD9026	2:1	95.8	169	1835	43.08	
	1800	460	445T	W620	445THFCD19038	2:1	95.8	169	1843	46.83	RB
	1800	575	445T	W613A	445THFCD9037	2:1	95.8	135	1900	46.83	
	1800	575	445T	W641A	445THFCD19033	2:1	95.8	135	1912	46.83	RB
	1200	460	445T	W614A	445THFCD9087	2:1	95.8	171	2404	51.20	RB
200	900	460	449T	W615A	449THFCD9101	2:1	94.1	192	2568	55.33	
	3600	460	445TS	W616A	445TSHFCD9005	2:1	95.4	217	2303	47.45	SL
	1800	460	445T	W618A	445THFCD9038	2:1	96.5	219	2276	51.20	RB
	1800	460	445T	W618A-P	445THFCD19070	2:1	96.5	219	2276	51.20	P, RB
	1800	460	445TS	W617A	445TSHFCD9028	2:1	96.5	219	2231	47.45	
	1800	575	445T	W642A	445THFCD19034	2:1	96.5	175	2411	51.20	RB
	1800	460	449T	W619A	449THFCD9030	2:1	96.5	219	2309	55.33	
	1800	460	449T	W619A-P	449THFCD9037	2:1	96.5	219	2399	55.33	P
	1200	460	449T	W621A	449THFCD19092	2:1	95.8	230	2568	55.33	
	1200	460	449T	W622A	449THFCD9088	2:1	95.8	230	2570	55.33	RB
250	1200	575	449T	W630A	449THFCD19079	2:1	95.8	184	2570	55.33	RB
	3600	460	449TS	W624A	449TSHFCD9003	2:1	95.8	266	2471	55.51	
	1800	460	449T	W626A	449THFCD9028	2:1	96.2	272	2612	55.33	
	1800	460	449T	W626A-P	449THFCD19342	2:1	96.2	272	2612	55.33	P
	1200	460	449T	W629A	449THFCD19091	2:1	95.8	285	2710	55.33	RB
	3600	460	449TS	W631A	449TSHFCD9002	2:1	95.8	320	2996	55.51	
	1800	460	449T	W632A	449THFCD9027	2:1	96.2	332	2780	55.33	
	1800	460	449T	W632A-P	449THFCD9070	2:1	96.2	332	2361	55.33	P
300	1200	460	449T	W657	449THFCD9078	2:1	95.8	342	3200	59.27	
	3600	460	449TS	W634A	449TSHFCD9001	2:1	95.8	373	2635	55.51	
	1800	460	449T	W635A	449THFCD9036	2:1	96.2	390	2834	55.33	RB
	1800	460	449T	W635A-P	449THFCD9071	2:1	96.2	390	2361	55.33	P, RB
400	3600	460	449TS	W659	449TSHFCD9000	2:1	95.8	427	3230	55.51	
	1800	460	449T	W660	449THFCD9026	2:1	96.5	440	3154	59.27	
	1800	460	449T	W660-P	449THFCD9061	2:1	96.2	442	3199	59.27	P

INVERTER TECHNOLOGY NEEDS BEARING CURRENT PROTECTION



Bearings are mechanical devices, subject to wear and damage.

However, the impact on them is often unknown and hence overlooked when used with variable frequency drives.

When you need a motor that can handle the demands inverters create, look no further than a Marathon[®] motor with bearing current protection. BCP[™] technology is an internal grounding ring that is mounted internally on the drive end of the motor. With BCP technology you get unsurpassed protection in the most demanding applications without sustaining bearing damage due to inverter-sourced bearing current.

Select XRI[®]-SD and XRI[®]-841 motors in stock with BCP (-P on Catalog number)
BCP kits and modifications are available as additional options

TAKING TECHNOLOGY FURTHER XRI[®] SD AND XRI[®]-841 MOTORS OFFER MAXIMUM FEATURES

MAX GUARD[®] Insulation System

- Unlimited lead length between the motor and drive
- Surpasses the requirements of NEMA[®] MG1, Part 30 and 31

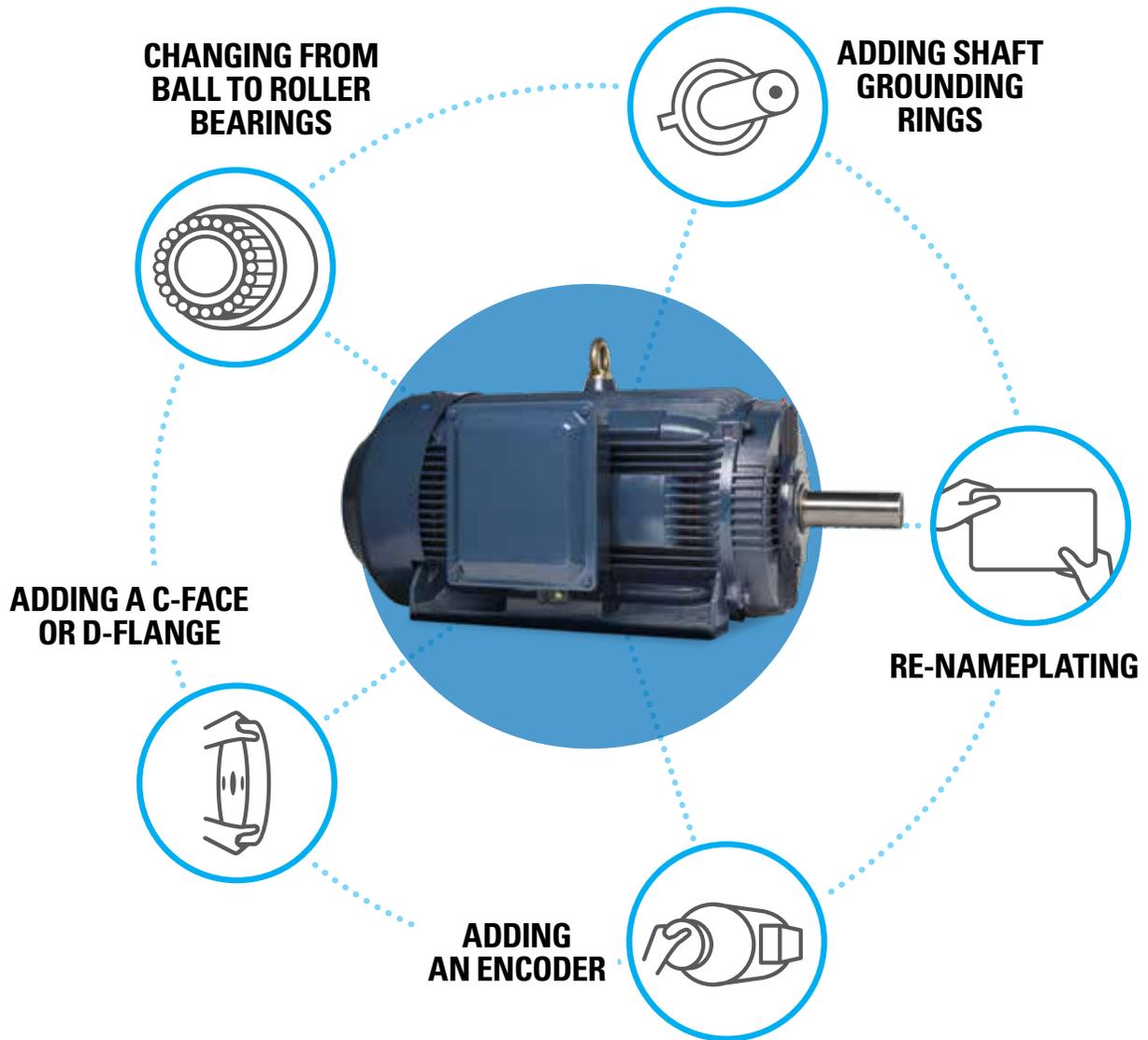
MAXimum Performance

- Performance matched for operation with any AC Drive
- Preferred by leading drive manufacturers



MODIFICATIONS AT THE WAREHOUSE ENSURE CUSTOM SOLUTIONS FASTER.

There is no one size motor that fits all applications. That's why we've expanded our modifications offering on most models. Some modifications can be made and shipped same day while others take a day or two, but the line-ready motor solution you need will be ready to work.



**THE RIGHT MOTOR.
THE OPTIMAL FIT.
THE PERFECT SOLUTION.
MORE CHOICES FROM A LEADING BRAND.**

GLOBETROTTER® VS BLUE CHIP® XRI® - SD AND BLUE CHIP® XRI® - 841



Specifications	Features	Globetrotter® TEFC	XRI® - SD (Severe Duty)	XRI® 841 (IEEE 841)
Enclosures	Totally enclosed fan cooled (TEFC)	√	√	√
	Totally enclosed non-ventilated	√	√	√
	Open dripproof	√		
Voltage	200 volt	√		
	230/460 volt through 100 HP; 460 volts 125 HP and larger	√	√	
	460 volt (three lead)		√	√
	575 volt (three lead)	√	√	√
Service Factor (sine wave)	1.15	√	√	√
	1.25 through 40 HP (with nameplate mod)	√	√	√
Inverter Duty	10:1 variable torque	√	√	√
	Up to 10:1 constant torque	√	√	√
	Up to 20:1 constant torque	√	√	√
	Provisions to add hollow shaft encoder (TEFC only)		√	√
Insulation System	Class F, Non-hygroscopic system 184T-449T	√		
	Class H, Non-hygroscopic system		√	√
	Max Guard® motor		√	√
Balance	Special balance average 0.08 in/sec		√	√
Bearings & Lubrication	Shielded ball bearings, C-3 fit with premium Mobil Polyrex® EM grease (-30 C to +150 C)	√	√	√
	Open Bearings	√		
	Open Bearings (Roller Bearings only)		√	√
	Zerk fittings	√	√	√
	Extended grease tubes for regreasing without disassembly	√	√	√
Bearing Caps	182T and larger		√	√
	254T and larger (Open Dripproof)	√		
	324T and larger (Totally Enclosed)	√		
Construction	Rolled Steel	√		
	Cast Iron	√	√	√
Conduit Box	Steel 182T-449T, NPT threaded	√		
	Cast iron, oversized, fully gasketed		√	√
Leads	Lead lugs 364T and larger		√	√
	Permanently marked leads with lead separator		√	√
Fan Guard (TEFC)	Steel	√		
	Polypropylene (182T-326T)	√		
	Cast iron	√	√	√
Fan (External)	Non-sparking polypropylene (TEFC)	√	√	√
Drains	Corrosion resistant bronze sintered drain and breather		√	√
	Drilled and tapped hole	√		
Epoxy Finish	Internal and external corrosion resistant epoxy		√	√
Hardware	Corrosion resistant zinc dichromate plated hex head hardware		√	√
	Lifting provisions, 182T and larger	√	√	√
IP Code	IP21 (Open Dripproof)	√		
	IP43 (Rolled Steel)	√		
	IP55 (Cast Iron)	√	√	
	IP56			√
Ground	Ground lug provision in conduit box	√	√	√
	External grounding provision			√
Nameplate	Stainless steel - includes NEMA® nominal efficiency and power factor	√	√	√
	AFBMA® bearing identification plate		√	√
Seals	V-Ring (Forsheda) seal on drive end of TENV and both ends of TEFC	√	√	
	Inpro/ Seal® VBX® bearing isolators on drive end of TENV and both ends of TEFC			√
Marine Duty	Meets IEEE45 and USCG		√	√
	Meets API RP14F for offshore platforms			√
Division 2 Hazardous Duty	CSA® Certification nameplate, Class I Groups A,B,C,D, Temperature Code T2B	√	√	√
Motor Testing	Actual short commercial test data plus max. vibration test supplied with each motor		√	
	Actual short commercial test data plus 2 additional vibration tests supplied with each motor			√
Agency Listings	UL® recognized	√	√	√
	CSA certified	√	√	√
	CE® mark	√	√	√
Warranty ⁽¹⁾	36 mo. From date of first use, 42 mo. From date of manufacture	√	√	
	60 mo. From date of first use, 66 mo. From date of manufacture			√
	Optional extended warranties are available	√	√	√

(1) The warranty terms and conditions of sale is available through this link <https://www.marathonelectric.com>

Please contact the nearest Marathon regional office or applicable Seller product catalog or seller for more information regarding duration of warranty period.

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APPLICATION CONSIDERATIONS

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