

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty Energy Efficient All Cast Iron



FCTC

APPLICATIONS:

Designed for severe duty environments found in the process industries.

FEATURES:

- Class F Insulation, Class B Rise At Full Load (4)
- Cast iron Construction: Frame, End Shields, Conduit Box & Fan Cover
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate (with CE Mark) & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 40°C Ambient, NEMA® Design B Performance (4)
- **All Items Subject To Conversion Leadtime**
- Regreasable Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- Suitable For Wye-Delta Start 250 Frame & Larger
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Field Convertible To F2 Mounting 180 Frame & Larger
- Condensation Drains With Plastic Plugs
- Conversion Kits: C&D Flanges, Canopy Kits (except 320-360)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
1-1/2	1200	208-230/460	182T	HC32E3B	\$841	DS-3FX	1.15	14.5	130	85.5	4.9-4.9/2.4	-
	1200	575	182T	HC32E3G	\$841	DS-3FX	1.15	14.5	130	85.5	1.9	-
2	1200	208-230/460	184T	HC2E3B	\$905	DS-3FX	1.15	15.5	140	86.5	6.3-6.1/3.1	-
	1200	575	184T	HC2E3G	\$905	DS-3FX	1.15	15.5	140	86.5	2.4	-
3	3600	208-230/460	182T	HC3E1B	\$837	DS-3FX	1.15	14.5	105	85.5	8.7-8.0/4.0	-
	3600	575	182T	HC3E1G	\$837	DS-3FX	1.15	14.5	105	85.5	3.2	-
	1800	208-230/460	182T	HC3E2B	\$790	DS-3FX	1.15	14.5	130	87.5	8.6-8.1/4.1	-
	1800	575	182T	HC3E2G	\$790	DS-3FX	1.15	14.5	130	87.5	3.2	-
	1200	208-230/460	213T	HC3E3B	\$965	DS-3FX	1.15	17.6	180	87.5	9.6-9.1/4.6	-
	1200	575	213T	HC3E3G	\$965	DS-3FX	1.15	17.6	180	87.5	3.7	-
5	3600	208-230/460	184T	HC5E1B	\$905	DS-3FX	1.15	15.5	135	87.5	13.8-12.3/6.1	-
	3600	575	184T	HC5E1G	\$905	DS-3FX	1.15	15.5	135	87.5	4.9	-
	1800	208-230/460	184T	HC5E2B	\$887	DS-3FX	1.15	15.5	140	87.5	14.0-12.6/6.3	-
	1800	575	184T	HC5E2G	\$887	DS-3FX	1.15	15.5	140	87.5	5.1	-
	1200	208	215T	HC5E3B	\$1,069	DS-3FX	1.15	19.1	230	87.5	15.5	-
	1200	575	215T	HC5E3G	\$1,069	DS-3FX	1.15	19.1	230	87.5	5.9	-
7-1/2	3600	208-230/460	213T	HC7E1B	\$970	DS-3FX	1.15	17.6	200	88.5	20.4-18.4/9.2	-
	3600	575	213T	HC7E1G	\$970	DS-3FX	1.15	17.6	200	88.5	7.4	-
	1800	208-230/460	213T	HC7E2B	\$938	DS-3FX	1.15	17.6	200	89.5	20.8-19.6/9.8	-
	1800	575	213T	HC7E2G	\$938	DS-3FX	1.15	17.6	200	90.2	7.6	-
	1200	208-230/460	254T	HC7E3B	\$1,304	DS-3FX	1.15	23.8	300	89.5	20.8-19.1/9.6	-
	1200	575	254T	HC7E3G	\$1,304	DS-3FX	1.15	23.8	300	89.5	7.6	-
10	3600	208-230/460	215T	HC10E1B	\$1,165	DS-3FX	1.15	19.1	215	89.5	26.7-23.8/11.9	-
	3600	575	215T	HC10E1G	\$1,165	DS-3FX	1.15	19.1	215	89.5	9.4	-
	1800	208-230/460	215T	HC10E2B	\$1,011	DS-3FX	1.15	19.1	215	89.5	27.3-25.4/12.7	-
	1800	575	215T	HC10E2G	\$1,011	DS-3FX	1.15	19.1	215	89.5	9.9	-
	1200	208-230/460	256T	HC10E3B	\$1,453	DS-3FX	1.15	25.5	340	89.5	27.7-25.5/12.7	-
	1200	575	256T	HC10E3G	\$1,453	DS-3FX	1.15	25.5	340	89.5	10.5	-
15	3600	208-230/460	254T	HC15E1B	\$1,522	DS-3FX	1.15	23.8	320	89.5	40-36/17.9	-
	3600	575	254T	HC15E1G	\$1,522	DS-3FX	1.15	23.8	320	90.2	14.0	-
	1800	208-230/460	254T	HC15E2B	\$1,185	DS-3FX	1.15	23.8	320	90.2	42-39/19.4	-
	1800	575	254T	HC15E2G	\$1,185	DS-3FX	1.15	23.8	320	91	14.7	-
	1200	208-230/460	284T	HC15E3B	\$2,318	DS-3FTE	1.15	25.5	390	90.2	42-38/18.8	-
	1200	575	284T	HC15E3G	\$2,318	DS-3FTE	1.15	25.5	390	90.2	15.0	-

Note 04 On 60 Hertz Sine Wave power

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

† All non-Emerson Electric Co. marks shown within this document are properties of their other respective owners

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HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
20	3600	230/460	256T	HC20E1B	\$1,673	DS-3FX	1.15	25.5	340	90.2	46/23	-
	3600	575	256T	HC20E1G	\$1,673	DS-3FX	1.15	25.5	340	90.2	18.7	-
	1800	208-230/460	256T	HC20E2B	\$1,431	DS-3FX	1.15	25.5	340	91	55-51/25.6	-
	1800	575	256T	HC20E2G	\$1,431	DS-3FX	1.15	25.5	340	91	19.5	-
	1200	208-230/460	286T	HC20E3B	\$2,801	DS-3FTE	1.15	27.0	440	90.2	55-50/24.8	-
	1200	575	286T	HC20E3G	\$2,801	DS-3FTE	1.15	27.0	440	90.2	19.9	-
25	3600	208-230/460	284TS	HC25E1BS	\$2,129	DS-3FTE	1.15	24.8	390	91	66-59/29.5	-
	3600	575	284TS	HC25E1GS	\$2,129	DS-3FTE	1.15	24.8	390	91	23.5	-
	1800	208-230/460	284T	HC25E2B	\$1,771	DS-3FTE	1.15	25.5	390	92.4	66-60/29.9	-
	1800	575	284T	HC25E2G	\$1,771	DS-3FTE	1.15	25.5	390	92.4	23.6	-
	1200	230/460	324T	HC25E3B	\$3,379	DS-3FTE	1.15	29.2	560	91.7	60/30	-
	1200	575	324T	HC25E3G	\$3,379	DS-3FTE	1.15	29.2	560	91.7	23.8	-
30	3600	230/460	286TS	HC30E1BS	\$2,309	DS-3FTE	1.15	26.3	440	91	69/35	-
	3600	575	286TS	HC30E1GS	\$2,309	DS-3FTE	1.15	26.3	440	91	27.8	-
	1800	208-230/460	286T	HC30E2B	\$2,091	DS-3FTE	1.15	27.0	440	92.4	79-72/36	-
	1800	575	286T	HC30E2G	\$2,091	DS-3FTE	1.15	27.0	440	92.4	28.7	-
	1200	230/460	326T	HC30E3B	\$4,099	DS-3FTE	1.15	30.6	640	91.7	71/36	-
	1200	575	326T	HC30E3G	\$4,099	DS-3FTE	1.15	30.6	640	91.7	28.4	-
40	3600	230/460	324TS	HC40E1BS	\$3,302	DS-3FTE	1.15	27.7	510	91.7	92/46	-
	3600	575	324TS	HC40E1GS	\$3,302	DS-3FTE	1.15	27.7	510	91.7	37.0	-
	1800	460	324T	HC40E2F	\$2,776	DS-3FTE	1.15	29.2	560	93	46	-
	1800	230/460	324T	HC40E2B	\$2,776	DS-3FTE	1.15	29.2	510	93	92/46	-
	1800	575	324T	HC40E2G	\$2,776	DS-3FTE	1.15	29.2	510	93	37.0	-
	1200	230/460	364T	HC40E3B	\$4,294	DS-3FTE	1.15	30.6	840	94.1	92/46	-
	1200	575	364T	HC40E3G	\$4,294	DS-3FTE	1.15	30.6	840	93.6	37.0	-
50	3600	230/460	326TS	HC50E1BS	\$3,356	DS-3FTE	1.15	29.2	600	92.4	112/56	-
	3600	575	326TS	HC50E1GS	\$3,356	DS-3FTE	1.15	29.2	600	92.4	45	-
	1800	230/460	326T	HC50E2B	\$2,874	DS-3FTE	1.15	30.6	600	93	114/57	-
	1800	575	326T	HC50E2G	\$2,874	DS-3FTE	1.15	30.6	600	93	46	-
	1200	230/460	365T	HC50E3B	\$5,765	DS-3FTE	1.15	32.3	890	93.6	115/58	-
	1200	575	365T	HC50E3G	\$5,765	DS-3FTE	1.15	32.3	890	93	46	-
60	3600	230/460	364TS	HC60E1BS	\$5,124	DS-3FTE	1.15	29.2	840	93	136/68	-
	3600	575	364TS	HC60E1GS	\$5,124	DS-3FTE	1.15	29.2	840	93.6	54	-
	1800	460	364T	HC60E2F	\$4,402	DS-3FTE	1.15	31.3	825	93.6	70	-
	1800	230/460	364T	HC60E2B	\$4,402	DS-3FTE	1.15	31.3	840	93.6	139/70	-
	1800	575	364T	HC60E2G	\$4,402	DS-3FTE	1.15	31.3	840	93.6	56	-
	1800	230/460	364TS	HC60E2BS	\$4,402	DS-3FTE	1.15	29.2	840	93.6	139/70	-
	1200	230/460	404T	HC60E3B	\$7,132	DS-3FTE	1.15	36.1	1100	93.6	141/70	-
	1200	575	404T	HC60E3G	\$7,132	DS-3FTE	1.15	36.1	1100	93.6	56	-
75	3600	230/460	365TS	HC75E1BS	\$6,224	DS-3FTE	1.15	30.4	890	93	167/84	-
	3600	575	365TS	HC75E1GS	\$6,224	DS-3FTE	1.15	30.4	890	93	67	-
	1800	230/460	365T	HC75E2B	\$5,429	DS-3FTE	1.15	32.3	890	94.1	171/85	-

Note 04 On 60 Hertz Sine Wave power

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

GEN. PURPOSE SINGLE PHASE
 GEN. PURPOSE THREE PHASE
 SEVERE DUTY
 HAZARDOUS LOCATION
 C-FACE SINGLE & THREE PHASE
 MULTI-SPEED THREE PHASE
 INVERTER DUTY
 VECTOR DUTY
 DRIVES
 BRAKE MOTORS
 U FRAME MOTORS
 DIRECT CURRENT (DC)

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FTC

APPLICATIONS:

Designed for severe duty environments found in the process industries.

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
75	1800	575	365T	HC75E2G	\$5,429	DS-3FTE	1.15	32.3	890	94.5	68	-
	1800	230/460	365TS	HC75E2BS	\$5,429	DS-3FTE	1.15	30.4	890	93	171/85	-
	1200	230	405T	HC75E3B	\$8,046	DS-3FTE	1.15	32.6	1300	93.6	179	-
	1200	575	405T	HC75E3G	\$8,046	DS-3FTE	1.15	32.6	1300	93.6	71	-
100	3600	230/460	405TS	HC100E1BS	\$7,787	DS-3FTE	1.15	34.6	1300	93.6	221/111	-
	3600	575	405TS	HC100E1GS	\$7,787	DS-3FTE	1.15	34.6	1300	93.6	89	-
	1800	460	405T	HC100E2F	\$6,740	DS-3FTE	1.15	37.6	1225	94.5	113	-
	1800	230/460	405T	HC100E2B	\$6,740	DS-3FTE	1.15	37.6	1300	94.5	227/113	-
	1800	575	405T	HC100E2G	\$6,740	DS-3FTE	1.15	37.6	1300	94.5	93	-
	1800	230/460	405TS	HC100E2BS	\$6,740	DS-3FTE	1.15	34.6	1300	94.5	227/113	-
	1200	460	444T	HC100E3C	\$10,056	DS-3FTE	1.15	43.4	1500	94.1	128	-
	1200	575	444T	HC100E3G	\$10,056	DS-3FTE	1.15	43.4	1500	94.1	100	-
125	3600	460	444TS	HC125E1CS	\$10,598	DS-3FTE	1.15	39.6	1500	94.5	149	12
	3600	575	444TS	HC125E1GS	\$10,598	DS-3FTE	1.15	39.6	1500	94.5	117	-
	1800	460	444T	HC125E2C	\$9,095	DS-3FTE	1.15	43.4	1500	94.5	148	-
	1800	575	444T	HC125E2G	\$9,095	DS-3FTE	1.15	43.4	1500	94.5	117	-
	1800	460	444TS	HC125E2CS	\$9,095	DS-3FTE	1.15	39.6	1500	94.5	148	-
	1200	460	445T	HC125E3C	\$12,909	DS-3FTE	1.15	45.4	1600	94.1	151	-
	1200	575	445T	HC125E3G	\$12,909	DS-3FTE	1.15	45.4	1600	94.1	120	-
150	3600	460	445TS	HC150E1CS	\$12,585	DS-3FTE	1.15	41.6	1600	94.5	168	12
	3600	575	445TS	HC150E1GS	\$12,585	DS-3FTE	1.15	41.6	1600	94.5	142	-
	1800	460	445T	HC150E2C	\$10,654	DS-3FTE	1.15	45.4	1600	95	174	-
	1800	575	445T	HC150E2G	\$10,654	DS-3FTE	1.15	45.4	1600	95	138	-
	1800	460	445TS	HC150E2CS	\$10,654	DS-3FTE	1.15	41.6	1600	95	174	-
	1200	460	447T	HC150E3C	\$15,248	DS-3FTE	1.15	48.9	2000	95	180	-
	1200	575	447T	HC150E3G	\$15,248	DS-3FTE	1.15	48.9	2000	95	145	-
200	3600	460	447TS	HC200E1CS	\$15,025	DS-3FTE	1.15	45.1	2000	95	220	-
	3600	575	447TS	HC200E1GS	\$15,025	DS-3FTE	1.15	45.1	2000	95	177	-
	1800	460	447T	HC200E2C	\$13,095	DS-3FTE	1.15	48.9	2000	95.4	228	-
	1800	575	447T	HC200E2G	\$13,095	DS-3FTE	1.15	48.9	2000	95	183	-
	1800	460	447TS	HC200E2CS	\$13,095	DS-3FTE	1.15	45.1	2000	95.4	228	-

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