

Definite Purpose Three Phase Totally Enclosed Fan Cooled (TEFC) Hostile Duty, Inverter Duty 10:1 (6-60 Hz) Speed Range Constant Torque



CTI

APPLICATIONS:

Designed for pumps, fans, blowers or other inverter powered applications having constant torque requirements.

FEATURES:

- Inverter Grade[®] Insulation System (Meets NEMA[®] MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 40°C Ambient, NEMA[®] Design A Performance
- Regreasable Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, Special Balance, F1 Assembly Position
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Cast Iron Inner Bearing Caps (180 Frame & Up)
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 320-360)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
1	1800 (3600)	230/460	145TC	H1T2BC	\$687	DS-VFM	-	65	84.0	3.5/1.8	
	1200 (2400)	230/460	182TC	H1T3BC	\$789	DS-VFM	-	70	84.0	4.3/2.1	
1-1/2	3600 (7200)	230/460	145TC	H32T1BC	\$733	DS-VFM	-	70	86.5	3.8/1.9	
	1800 (3600)	230/460	145TC	H32T2BC	\$733	DS-VFM	-	70	85.5	4.7/2.3	
	1200 (2400)	230/460	184TC	H32T3BC	\$860	DS-VFM	-	110	87.5	5.1/2.6	
2	3600 (7200)	230/460	182TC	H2T1BC	\$825	DS-VFM	-	100	86.5	5.6/2.8	
	1800 (3600)	230/460	182TC	H2T2BC	\$813	DS-VFM	-	100	89.5	6.0/3.0	
	1200 (2400)	230/460	213TC	H2T3BC	\$1,093	DS-VFM	-	160	89.5	6.9/3.5	
3	3600 (7200)	230/460	184TC	H3T1BC	\$989	DS-VFM	-	110	89.5	7.9/3.9	
	1800 (3600)	230/460	184TC	H3T2BC	\$908	DS-VFM	-	110	90.2	8.5/4.2	
	1200 (2400)	230/460	215TC	H3T3BC	\$1,542	DS-VFM	-	175	90.2	10.0/5.0	
5	3600 (7200)	230/460	213T	H5T1B	\$1,242	DS-VFM	-	160	91.0	12.3/6.2	
	1800 (3600)	230/460	213T	H5T2B	\$1,242	DS-VFM	-	160	91.7	13.1/6.6	
	1200 (2400)	230/460	254T	H5T3B	\$2,020	DS-VFM	-	300	91.7	13.3/6.6	
7-1/2	3600 (7200)	230/460	215T	H7T1B	\$1,442	DS-VFM	-	175	91.7	17.5/8.8	
	1800 (3600)	230/460	215T	H7T2B	\$1,471	DS-VFM	-	175	92.4	18.4/9.2	
	1200 (2400)	230/460	256T	H7T3B	\$2,349	DS-VFM	-	340	92.4	19.1/9.5	
10	3600 (7200)	230/460	254T	H10T1B	\$1,912	DS-VFM	-	300	91.0	24.0/12.0	
	1800 (3600)	230/460	254T	H10T2B	\$1,989	DS-VFM	-	300	93.0	26.1/13	
	1200 (2400)	230/460	284T	H10T3B	\$2,868	DS-VFM	-	380	92.4	26.9/13.5	
15	3600 (7200)	230/460	256T	H15T1B	\$2,261	DS-VFM	-	350	91.7	34.0/17.2	
	1800 (3600)	230/460	256T	H15T2B	\$2,269	DS-VFM	-	360	94.1	36.0/18	
	1200 (2400)	230/460	286T	H15T3B	\$3,458	DS-VFM	-	410	92.4	38.0/19.0	
20	3600 (5400)	230/460	284TS	H20T1BS	\$2,788	DS-VFM	-	350	91.7	47/23.5	
	1800 (2700)	230/460	284T	H20T2B	\$2,731	DS-VFM	-	390	93.6	48/23.9	
	1200 (2400)	230/460	324T	H20T3B	\$4,170	DS-VFM	-	600	93.0	48/23.8	
25	3600 (5400)	230/460	286TS	H25T1BS	\$3,270	DS-VFM	-	400	92.4	57/28.5	
	1800 (2700)	230/460	286T	H25T2B	\$3,207	DS-VFM	-	440	94.1	58/28.9	
	1200 (2400)	230/460	326T	H25T3B	\$4,760	DS-VFM	-	675	93.6	59/29.3	
30	3600 (5400)	230/460	324TS	H30T1BS	\$3,946	DS-VFM	-	560	92.4	68/34	
	1800 (2700)	230/460	324T	H30T2B	\$3,831	DS-VFM	-	600	94.5	69/35	
	1200 (2400)	230/460	364T	H30T3B	\$6,699	DS-VFM	-	875	94.5	71/35	

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

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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40	3600 (5400)	230/460	326TS	H40T1BS	\$5,040	DS-VFM	-	600	93.6	89/44	
	1800 (2700)	230/460	326T	H40T2B	\$4,686	DS-VFM	-	610	94.5	90/45	
	1200 (2400)	230/460	365T	H40T3B	\$7,474	DS-VFM	-	900	94.5	93/47	
50	3600 (4500)	230/460	364TS	H50T1BS	\$6,536	DS-VFM	-	790	93.6	113/57	
	1800 (3600)	230/460	364T	H50T2B	\$6,621	DS-VFM	-	825	95.0	115/57	
	1200 (2400)	230/460	404T	H50T3B	\$8,447	DS-VFM	-	1160	94.5	118/59	
60	3600 (4500)	230/460	365TS	H60T1BS	\$8,194	DS-VFM	-	880	94.1	133/67	
	1800 (3600)	230/460	365T	H60T2B	\$8,493	DS-VFM	-	910	95.4	135/67	
	1200 (2400)	230/460	405T	H60T3B	\$10,075	DS-VFM	-	1300	95.4	139/69	
75	3600 (4500)	230/460	405TS	H75T1BS	\$10,440	DS-VFM	-	1200	94.5	164/82	
	3600 (4500)	230/460	405TS	H75T1BS	\$10,440	DS-VFM	-	1200	94.5	164/82	
	1800 (3600)	230/460	405T	H75T2B	\$9,946	DS-VFM	-	1250	95.4	174/87	
	1200 (2400)	460	444T	H75T3C	\$14,048	DS-VFM	-	1660	94.5	98	
100	3600 (4500)	460	444TS	H100T1CS	\$14,998	DS-VFM	-	1550	94.5	121	
	1800 (3600)	460	444T	H100T2C	\$13,940	DS-VFM	-	1675	95.4	119	
	1200 (2400)	460	445T	H100T3C	\$16,148	DS-VFM	-	1750	95.8	125	
125	3600 (4500)	460	445TS	H125T1CS	\$17,991	DS-VFM	-	1650	95.4	152	
	1800 (3600)	460	445T	H125T2C	\$16,246	DS-VFM	-	1780	95.8	144	
	1200 (2400)	460	447T	H125T3C	\$18,832	DS-VFM	-	2100	95.4	153	
150	3600 (4500)	460	447TS	H150T1CS	\$22,725	DS-VFM	-	2040	95.8	166	
	1800 (3600)	460	447T	H150T2C	\$19,499	DS-VFM	-	2120	95.8	173	