

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



CTI

APPLICATIONS:

Designed for pumps, fans, blowers or other inverter powered applications having variable 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 B Performance (4)
- Special Balance
- Regreasable Bearings 250 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, F1 Assembly Position
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Constant Horsepower To 90 Hz
- 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 320-360)

5:1 (12-60 Hz) Speed Range Constant Torque

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	143TC	H1V2BC	\$499	DS-VFM	12.63	65	85.5	2.9/1.5	
	1200 (2400)	230/460	145TC	H1V3BC	\$626	DS-VFM	12.63	70	81.5	3.7/1.9	
1-1/2	3600 (7200)	230/460	143TC	H32V1BC	\$514	DS-VFM	12.63	65	84.0	3.9/1.9	
	1800 (3600)	230/460	145TC	H32V2BC	\$553	DS-VFM	12.63	70	85.5	4.4/2.2	
	1200 (2400)	230/460	182TC	H32V3BC	\$655	DS-VFM	14.56	100	86.5	5/2.5	
2	3600 (7200)	230/460	145TC	H2V1BC	\$599	DS-VFM	12.63	70	86.5	4.9/2.4	
	1800 (3600)	230/460	145TC	H2V2BC	\$599	DS-VFM	12.63	70	85.5	5.5/2.8	
	1200 (2400)	230/460	184TC	H2V3BC	\$726	DS-VFM	15.56	110	87.5	6/3	
3	3600 (7200)	230/460	182TC	H3V1BC	\$691	DS-VFM	14.56	100	87.5	7.8/3.9	
	1800 (3600)	230/460	182TC	H3V2BC	\$679	DS-VFM	14.56	100	89.5	7.9/4.0	
	1200 (2400)	230/460	213TC	H3V3BC	\$959	DS-VFM	17.66	160	90.2	8.7/4.4	
5	3600 (7200)	230/460	184TC	H5V1BC	\$855	DS-VFM	15.56	110	88.5	12.2/6.1	
	1800 (3600)	230/460	184TC	H5V2BC	\$774	DS-VFM	15.56	110	89.5	12.5/6.3	
	1200 (2400)	230/460	215TC	H5V3BC	\$1,408	DS-VFM	19.16	175	90.2	14/7	
7-1/2	3600 (7200)	230/460	213T	H7V1B	\$1,108	DS-VFM	17.56	160	91.0	17.8/8.9	
	1800 (3600)	230/460	213T	H7V2B	\$1,108	DS-VFM	17.56	160	91.0	18.4/9.2	
	1200 (2400)	230/460	254T	H7V3B	\$1,886	DS-VFM	23.75	300	91.0	18.6/9.3	
10	3600 (7200)	230/460	215T	H10V1B	\$1,308	DS-VFM	19.06	175	91.0	23.2/11.6	
	1800 (3600)	230/460	215T	H10V2B	\$1,337	DS-VFM	19.06	175	91.7	23.8/11.9	
	1200 (2400)	230/460	256T	H10V3B	\$2,215	DS-VFM	25.5	340	91.7	24.5/12.3	
15	3600 (7200)	230/460	254T	H15V1B	\$1,778	DS-VFM	23.75	300	90.2	35/17.7	
	1800 (3600)	230/460	254T	H15V2B	\$1,855	DS-VFM	23.75	300	92.4	37/18.4	
	1200 (2400)	230/460	284T	H15V3B	\$2,734	DS-VFM	25.5	380	91.7	37/18.7	
20	3600 (7200)	230/460	256T	H20V1B	\$2,127	DS-VFM	25.5	350	91.0	46/23	
	1800 (3600)	230/460	256T	H20V2B	\$2,135	DS-VFM	25.5	360	93.0	47/23.7	
	1200 (2400)	230/460	286T	H20V3B	\$3,324	DS-VFM	27	410	91.7	49/24.5	
25	3600 (5400)	230/460	284TS	H25V1BS	\$2,654	DS-VFM	24.81	350	91.7	59/29.3	
	1800 (2700)	230/460	284T	H25V2B	\$2,597	DS-VFM	25.5	380	93.0	59/29.4	
	1200 (2400)	230/460	324T	H25V3B	\$4,036	DS-VFM	30.56	600	92.4	59/29.5	
30	3600 (5400)	230/460	286TS	H30V1BS	\$3,136	DS-VFM	26.31	400	91.7	69/35	
	1800 (2700)	230/460	286T	H30V2B	\$3,073	DS-VFM	27	440	93.6	69/34	
	1200 (2400)	230/460	326T	H30V3B	\$4,625	DS-VFM	30.56	675	93.0	70/35	

Note 04 On 60 Hertz Sine Wave power

† 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	324TS	H40V1BS	\$3,812	DS-VFM	29.06	560	92.4	91/46	
	1800 (2700)	230/460	324T	H40V2B	\$3,697	DS-VFM	30.56	600	93.6	92/46	
	1200 (2400)	230/460	364T	H40V3B	\$6,565	DS-VFM	32.56	875	94.1	93/46	
50	3600 (5400)	230/460	326TS	H50V1BS	\$4,906	DS-VFM	29.06	600	93.0	112/56	
	1800 (2700)	230/460	326T	H50V2B	\$4,552	DS-VFM	30.56	610	94.1	113/56	
	1200 (2400)	230/460	365T	H50V3B	\$7,340	DS-VFM	32.56	900	94.1	116/58	
60	3600 (4500)	230/460	364TS	H60V1BS	\$6,402	DS-VFM	30.44	790	93.0	136/68	
	1800 (3600)	230/460	364T	H60V2B	\$6,487	DS-VFM	32.56	825	94.5	136/68	
	1200 (2400)	230/460	404T	H60V3B	\$8,313	DS-VFM	36.13	1160	94.5	140/70	
75	3600 (4500)	230/460	365TS	H75V1BS	\$8,060	DS-VFM	30.44	830	93.6	167/83	
	1800 (3600)	230/460	365T	H75V2B	\$8,359	DS-VFM	32.56	910	95.0	168/84	
	1200 (2400)	230/460	405T	H75V3B	\$9,940	DS-VFM	37.63	1300	95.0	172/86	
100	3600 (4500)	230/460	405TS	H100V1BS	\$10,306	DS-VFM	34.63	1200	94.5	218/109	
	1800 (3600)	230/460	405T	H100V2B	\$9,812	DS-VFM	37.63	1250	95.4	226/113	
	1200 (2400)	460	444T	H100V3C	\$13,914	DS-VFM	43.38	1660	94.5	124	
125	3600 (4500)	460	444TS	H125V1CS	\$14,864	DS-VFM	39.63	1550	94.5	147	
	1800 (3600)	460	444T	H125V2C	\$13,806	DS-VFM	43.38	1675	95.4	146	
	1200 (2400)	460	445T	H125V3C	\$16,014	DS-VFM	45.38	1750	95.4	153	
150	3600 (4500)	460	445TS	H150V1CS	\$17,857	DS-VFM	41.63	1650	95.4	179	
	1800 (3600)	460	445T	H150V2C	\$16,112	DS-VFM	45.38	1780	95.8	171	
	1200 (2400)	460	447T	H150V3C	\$18,698	DS-VFM	48.88	2100	95.0	181	
200	3600 (4500)	460	447TS	H200V1CS	\$22,591	DS-VFM	45.13	2040	95.4	219	
	1800 (3600)	460	447T	H200V2C	\$19,365	DS-VFM	48.88	2120	95.8	226	

Note 04 On 60 Hertz Sine Wave power