

Definite Purpose Three Phase Totally Enclosed Blower Cooled (TEBC) Open Loop Vector Duty 36-1800 RPM (2-60 Hz) Speed Range Constant Torque



CTBI

APPLICATIONS:

Designed for conveyors, presses, hoists or other inverter powered applications having constant torque requirements.

FEATURES:

- Inverter Grade[®] Insulation System (Meets NEMA[®] MG-1 Part 31)
- Class F Thermostats (1/Phase), Premium Efficient, Special Balance
- 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
- 40C Ambient, NEMA[®] Design B Performance (4)
- 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
- Constant Speed Blower: 115V (140-180 Frame), 230/460V (210-440 Frame)
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Constant Horsepower To 90 Hz, Cast Iron Inner Bearing Caps (180 Frame & Up)
- C Face, Footed 1-5 HP
- Conversion Kits: Cast Iron Conduit Box, C&D Flanges

Footed

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	B1T2BC	\$1,036	DS-VFM	-	65	85.5	2.9/1.5	07
	1200 (2400)	230/460	145TC	B1T3BC	\$1,162	DS-VFM	-	70	81.5	3.7/1.9	07
1-1/2	3600 (7200)	230/460	143TC	B32T1BC	\$1,050	DS-VFM	-	65	84.0	3.9/1.9	07
	1800 (3600)	230/460	145TC	B32T2BC	\$1,089	DS-VFM	-	70	85.5	4.4/2.2	07
	1200 (2400)	230/460	182TC	B32T3BC	\$1,392	DS-VFM	-	100	86.5	5/2.5	07
2	3600 (7200)	230/460	145TC	B2T1BC	\$1,135	DS-VFM	-	70	86.5	4.9/2.4	07
	1800 (3600)	230/460	145TC	B2T2BC	\$1,135	DS-VFM	-	70	85.5	5.6/2.8	07
	1200 (2400)	230/460	184TC	B2T3BC	\$1,463	DS-VFM	-	110	87.5	6.0/3.0	07
3	3600 (7200)	230/460	182TC	B3T1BC	\$1,428	DS-VFM	-	100	88.5	7.7/3.8	07
	1800 (3600)	230/460	182TC	B3T2BC	\$1,416	DS-VFM	-	100	89.5	7.9/4.0	07
	1200 (2400)	230/460	213TC	B3T3BC	\$1,831	DS-VFM	-	160	90.2	8.7/4.4	08
5	3600 (7200)	230/460	184TC	B5T1BC	\$1,592	DS-VFM	-	110	88.5	12.2/6.1	07
	1800 (3600)	230/460	184TC	B5T2BC	\$1,512	DS-VFM	-	110	89.5	12.6/6.3	07
	1200 (2400)	230/460	215TC	B5T3BC	\$2,280	DS-VFM	-	175	90.2	14.0/7.0	08
7-1/2	3600 (7200)	230/460	213T	B7T1B	\$1,979	DS-VFM	-	160	91.0	17.8/8.9	08
	1800 (3600)	230/460	213T	B7T2B	\$1,979	DS-VFM	-	160	91.7	18.3/9.1	08
	1200 (2400)	230/460	254T	B7T3B	\$2,857	DS-VFM	-	300	91.0	18.6/9.3	08
10	3600 (7200)	230/460	215T	B10T1B	\$2,179	DS-VFM	-	175	91.0	23.2/11.6	08
	1800 (3600)	230/460	215T	B10T2B	\$2,209	DS-VFM	-	175	91.7	23.7/11.8	08
	1200 (2400)	230/460	256T	B10T3B	\$3,187	DS-VFM	-	340	91.7	24.5/12.3	08
15	3600 (7200)	230/460	254T	B15T1B	\$2,750	DS-VFM	-	300	91.0	35.0/17.5	08
	1800 (3600)	230/460	254T	B15T2B	\$2,827	DS-VFM	-	300	92.4	37.0/18.4	08
	1200 (2400)	230/460	284T	B15T3B	\$3,941	DS-VFM	-	380	91.7	37.0/18.7	08
20	3600 (7200)	230/460	256T	B20T1B	\$3,099	DS-VFM	-	350	91.0	46/23	08
	1800 (3600)	230/460	256T	B20T2B	\$3,107	DS-VFM	-	360	93.0	47/23.7	08
	1200 (2400)	230/460	286T	B20T3B	\$4,530	DS-VFM	-	410	91.7	49/24.5	08
25	3600 (5400)	230/460	284TS	B25T1BS	\$3,860	DS-VFM	-	350	92.4	58/29.1	08
	1800 (2700)	230/460	284T	B25T2B	\$3,804	DS-VFM	-	350	93.6	58/29.2	08
	1200 (2400)	230/460	324T	B25T3B	\$5,242	DS-VFM	-	600	92.4	59/29.5	08
30	3600 (5400)	230/460	286TS	B30T1BS	\$4,343	DS-VFM	-	400	91.7	69/35	08
	1800 (2700)	230/460	286T	B30T2B	\$4,280	DS-VFM	-	440	93.6	69/34	08
	1200 (2400)	230/460	326T	B30T3B	\$5,832	DS-VFM	-	675	93.0	70/35	08

Note 04 On 60 Hertz Sine Wave power

Note 08 230/460 Blower Voltage

Note 07 115 Blower Voltage

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

Definite Purpose Three Phase Totally Enclosed Blower Cooled (TEBC) Open Loop Vector Duty 36-1800 RPM (2-60 Hz) Speed Range Constant Torque



CTBI

APPLICATIONS:

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

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
40	3600 (5400)	230/460	324TS	B40T1BS	\$5,018	DS-VFM	-	560	93.0	91/45	08
	1800 (2700)	230/460	324T	B40T2B	\$4,903	DS-VFM	-	600	93.6	92/46	08
	1200 (2400)	230/460	364T	B40T3B	\$7,772	DS-VFM	-	875	94.1	93/46	08
50	3600 (5400)	230/460	326TS	B50T1BS	\$6,112	DS-VFM	-	600	94.1	111/55	08
	1800 (2700)	230/460	326T	B50T2B	\$5,758	DS-VFM	-	610	94.1	113/56	08
	1200 (2400)	230/460	365T	B50T3B	\$8,546	DS-VFM	-	900	94.1	116/58	08
60	3600 (4500)	230/460	364TS	B60T1BS	\$7,608	DS-VFM	-	790	94.1	134/67	08
	1800 (3600)	230/460	364T	B60T2B	\$7,694	DS-VFM	-	825	94.5	138/69	08
	1200 (2400)	230/460	404T	B60T3B	\$9,989	DS-VFM	-	1160	94.5	140/70	08
75	3600 (4500)	230/460	365TS	B75T1BS	\$9,266	DS-VFM	-	830	94.5	165/83	08
	1800 (3600)	230/460	365T	B75T2B	\$9,565	DS-VFM	-	910	95.0	168/84	08
	1200 (2400)	230/460	405T	B75T3B	\$11,616	DS-VFM	-	1300	95.0	172/86	08
100	3600 (4500)	230/460	405TS	B100T1BS	\$11,982	DS-VFM	-	1200	95.0	216/108	08
	1800 (3600)	230/460	405T	B100T2B	\$11,487	DS-VFM	-	1250	95.4	226/113	08
	1200 (2400)	460	444T	B100T3C	\$16,125	DS-VFM	-	1660	95.4	123	08
125	3600 (4500)	460	444TS	B125T1CS	\$17,076	DS-VFM	-	1550	95.0	146	08
	1800 (3600)	460	444T	B125T2C	\$16,018	DS-VFM	-	1675	95.8	145	08
	1200 (2400)	460	445T	B125T3C	\$18,226	DS-VFM	-	1750	95.4	153	08
150	3600 (4500)	460	445TS	B150T1CS	\$20,069	DS-VFM	-	1650	95.8	178	08
	1800 (3600)	460	445T	B150T2C	\$18,324	DS-VFM	-	1780	95.8	171	08
	1200 (2400)	460	447T	B150T3C	\$20,910	DS-VFM	-	2100	95.4	180	08
200	3600 (4500)	460	447TS	B200T1CS	\$24,802	DS-VFM	-	2040	95.8	218	08
	1800 (3600)	460	447T	B200T2C	\$21,577	DS-VFM	-	2120	96.2	225	08
	1200 (2400)	460	449T	B200T3C	\$26,718	DS-VFM	-	2520	95.4	228	08
250	1800 (3600)	460	449T	B250T2C	\$28,190	DS-VFM	-	2520	95.4	280	08
	1200 (2400)	460	449T	B250T3C	\$28,959	DS-VFM	-	2745	95.4	281	08
300	1800 (3600)	460	449T	B300T2C	\$28,770	DS-VFM	-	2670	94.5	339	08

Note 04 On 60 Hertz Sine Wave power
Note 07 115 Blower Voltage

Note 08 230/460 Blower Voltage