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

CTBI

APPLICATIONS:

For conveyors, presses, hoists or other inverter powered applications having constant torque requirements at or near zero speed. All items on this page are assembled to order. Contact your Customer Service representative for lead times.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per 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
- 40°C Ambient, NEMA®† Design B Performance On Sine Wave Power
- Conversion Kits: Cast Iron Conduit Box, C&D Flanges
- Regreasable Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360
- Double Dip & Bake With Extra Bracing
- Constant Speed Blower: 115V (140-180 Frame), 230/460V (210-440 Frame)
- Class F Insulation, 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
- Constant Horsepower to 90 Hertz,
- Cast Iron Inner Bearing Caps (180 Frame & Up)
- C-Face, Footed 1-5 HP
- For VFD Guidelines, refer to page viii

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	$1,698	DS-VFM	12.6	65	85.5	2.9/1.5	07
1 1/2	1800(3600)	230/460	145TC	B32T2BC	$1,785	DS-VFM	12.6	70	85.5	4.4/2.2	07
2	1800(3600)	230/460	145TC	B2T2BC	$1,860	DS-VFM	12.6	70	85.5	5.5/2.8	07
3	1800(3600)	230/460	182TC	B3T2BC	$2,321	DS-VFM	15.2	100	89.5	7.7/3.9	07
5	1800(3600)	230/460	184TC	B5T2BC	$2,478	DS-VFM	15.6	110	89.5	12.8/6.4	07
7 1/2	1800(3600)	230/460	213T	B7T2B	$2,421	DS-VFM	17.6	160	91.7	18.3/9.1	08
10	1800(3600)	230/460	215T	B10T2B	$3,620	DS-VFM	19.1	175	91.7	23.7/11.8	08
15	1800(3600)	230/460	254T	B15T2B	$4,633	DS-VFM	23.8	300	92.4	37/18.4	08
20	1800(3600)	230/460	256T	B20T2B	$5,092	DS-VFM	25.5	360	93.0	47/23.7	08
25	1800(3600)	230/460	284T	B25T2B	$6,235	DS-VFM	25.5	350	93.6	58/29.2	08
30	1800(2700)	230/460	286T	B30T2B	$7,014	DS-VFM	27.0	440	93.6	69/34	08
40	1800(2700)	230/460	324T	B40T2B	$8,035	DS-VFM	30.6	600	93.6	92/46	08
50	1800(2700)	230/460	326T	B50T2B	$9,437	DS-VFM	30.6	610	94.1	113/56	08
60	1800(2700)	230/460	364T	B60T2B	$12,610	DS-VFM	32.6	825	94.5	138/69	08
75	1800(3600)	230/460	365T	B75T2B	$15,676	DS-VFM	32.6	910	95.0	168/84	08

Note 07 115 Blower Voltage
Note 08 230/460 Blower Voltage

† All marks shown within this document are properties of their respective owners.