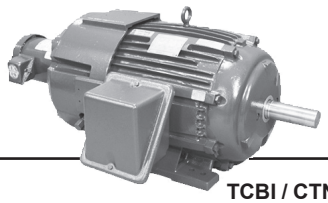
ACCU-Torq® Totally Enclosed Blower Cooled (TEBC) & Totally Enclosed, Non-Ventilated (TENV) Vector Duty, 5000:1 Constant Torque



TCBI / CTNI

APPLICATIONS:

For packaging machinery, extruders, winders, process lines, cranes & hoists, slitters or other inverter powered applications having constant torque requirements at or near zero speed. ACCU-Torq® TEBC motors are used in variable frequency drive applications requiring full rated torque at zero speed utilizing Closed- or Open-Loop (Sensorless Vector) controls. The cast iron construction makes this motor an ideal choice for process lines, chemical plants, paper mills or any other severe duty environment.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Premium Efficient
- Cast Iron Frame, Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- F-1 Standard, Field Convertible to F-2
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger on Pulley End for IP54 Protection
- Continuous Duty at 40°C Ambient
- Regreasable Bearings, Lifting Provisions 180 Frame & Up
- Open Bearings 210-449 (TEBC Only)
- Double Shielded ODE Bearing 180-250 (TENV Only)
- Insulated Shaft ODE 400 Frame & Up
- Shaft Grounding Ring Standard on All Ratings
- Encoder Provisions on all ratings
- Normally Closed Thermostats (1 per Phase)
- Corro-Duty Construction (TEBC Only)
- Special Balance
- Double Dip & Bake with Extra Bracing
- Axial Constant Speed 230/460V Blower on TEBC
- Radial Blower and Brake Configurations available as E.T.O.
- Class H Insulation, 1.0 Service Factor
- Constant Torque Operation from Zero to Base Speed
- Constant power (HP) operation to 2 times base speed up to 250 frame & 1.5 times base speed above 250 frame
- Cast Iron Inner Bearing Caps (180 Frame & Up on TEBC)
- Cast Iron Drive End Inner Bearing Cap (180-250 on TENV)
- C-Face, Footed on 180-250 Frame
- Conversion Kits: C&D Flanges
- Three Year Limited Warranty

Footed

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Blower Full Load Amps	Notes
3	1800(4000)	230/460	182TC	HN3T2BC	$1,213	DS-VST	16.5	110	89.5	9.1/4.5	---	28
	1200(4000)	230/460	213TC	HN3T3BC	$2,151	DS-VST	20.0	157	89.5	8.8/4.4	---	28
5	1800(4000)	230/460	213TC	HN5T2BC	$1,604	DS-VST	20.0	167	89.5	16/8	---	28
	1200(4000)	230/460	215TC	HN5T3BC	$2,821	DS-VST	20.0	180	89.5	15/8	---	28
7.5	1800(4000)	230/460	213TC	HN7T2BC	$1,907	DS-VST	20.0	175	91.7	22/11	---	28
	1200(4000)	230/460	254TC	HN7T3BC	$3,428	DS-VST	25.1	300	91.0	20/10	---	28
10	1800(4000)	230/460	254TC	HN10T2BC	$2,628	DS-VST	25.1	320	91.7	28/14	---	28
	1200(4000)	230/460	256TC	HN10T3BC	$4,023	DS-VST	25.1	340	91.0	27/14	---	28
	1800(4000)	230/460	215TC	B10T2BC	$2,569	DS-VST	31.3	310	91.7	26.5/13.9	1.5/0.75	8
	1200(4000)	230/460	256TC	B10T3BC	$3,821	DS-VST	36.2	470	91.7	26.1/13	1.5/0.75	8
15	1800(4000)	230/460	254TC	B15T2BC	$3,081	DS-VST	36.2	470	93.6	38/19	1.5/0.75	8
	1200(4000)	230/460	284T	B15T3B	$5,072	DS-VST	39.4	540	92.4	38/19.1	1.7/0.9	8
20	1800(4000)	230/460	256TC	B20T2BC	$3,603	DS-VST	36.2	480	93.0	51/25.6	1.5/0.75	8
	1200(4000)	230/460	286T	B20T3B	$5,952	DS-VST	39.4	560	91.7	53/26.6	1.7/0.9	8
25	1800(4000)	230/460	284T	B25T2B	$4,232	DS-VST	39.4	550	94.1	62/31	1.7/0.9	8
	1200(3000)	230/460	324T	B25T3B	$7,072	DS-VST	44.6	750	93.0	71/36	3/1.5	8
30	1800(4000)	230/460	286T	B30T2B	$4,784	DS-VST	39.4	570	93.6	75/37	1.7/0.9	8
	1200(3000)	230/460	326T	B30T3B	$8,152	DS-VST	44.6	770	93.0	80/40	3/1.5	8
40	1800(3000)	230/460	324T	B40T2B	$6,132	DS-VST	44.6	770	95.0	101/50	3/1.5	8
	1200(3000)	230/460	364T	B40T3B	$10,681	DS-VST	46.5	1010	93.6	97/48	3/1.5	8
50	1800(3000)	230/460	326T	B50T2B	$7,285	DS-VST	44.6	790	95.0	116/58	3/1.5	8
	1200(3000)	230/460	365T	B50T3B	$12,131	DS-VST	46.5	1040	94.5	118/59	3/1.5	8
60	1800(3000)	230/460	364T	B60T2B	$10,178	DS-VST	46.5	1020	95.4	137/69	3/1.5	8
	1200(3000)	230/460	404T	B60T3B	$14,207	DS-VST	51.3	1390	94.5	149/74	5.7/2.8	8
75	1800(3000)	230/460	365T	B75T2B	$12,634	DS-VST	46.5	1060	95.4	182/91	3/1.5	8
	1200(3000)	230/460	405T	B75T3B	$16,525	DS-VST	51.3	1430	94.5	188/94	5.7/2.8	8
100	1800(3000)	230/460	405T	B100T2B	$15,423	DS-VST	51.3	1410	95.4	225/113	5.7/2.8	8
	1200(3000)	230/460	444T	B100T3B	$22,259	DS-VST	57.1	1880	95.8	245/122	5.7/2.8	8
125	1800(3000)	460	444T	B125T2C	$18,989	DS-VST	57.1	1870	95.8	164	5.7/2.8	8
150	1800(3000)	460	445T	B150T2C	$22,284	DS-VST	57.1	1900	95.8	180	5.7/2.8	8
200	1800(3000)	460	447T	B200T2C	$26,893	DS-VST	60.6	2230	96.5	240	5.7/2.8	8
250	1800(2000)	460	449T	B250T2C	$30,505	DS-VST	69.0	2860	96.5	289	7.8/3.9	8, AP
300	1800(2000)	460	449T	B300T2C	$36,616	DS-VST	69.0	3020	96.8	327	7.8/3.9	8, AP
350	1800(2000)	460	449T	B350T2C	$41,585	DS-VST	69.0	3090	96.8	396	7.8/3.9	8, AP

Note 8 230/460 Blower Voltage
Note 28 TENV Enclosure
Note AP No F2 convertibility