

Inverter (Vector) Duty Motors

Model No: 184THTHD7776

Catalog No: Y540A

Inverter (Vector) Duty Motor, 2 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 184TC Frame, TENV

Product Information Packet: Model No: 184THTHD7776, Catalog No: Y540A Inverter (Vector) Duty Motor, 2 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 184TC Frame, TENV

Nameplate Specifications

Phase	3	Output HP	2 Hp
Output KW	1.5 kW	Voltage	230/460 V
Speed	1175 r/min	Synchronous RPM	1200 r/min
Service Factor	1.00	Frame	184TC
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	Thermostat
Efficiency	85.5 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	6.6/3.3 A
Power Factor	64.5	Duty	Continuous
Insulation Class	H	Design Code	INV
KVA Code	M	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6306	UL	Recognized
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

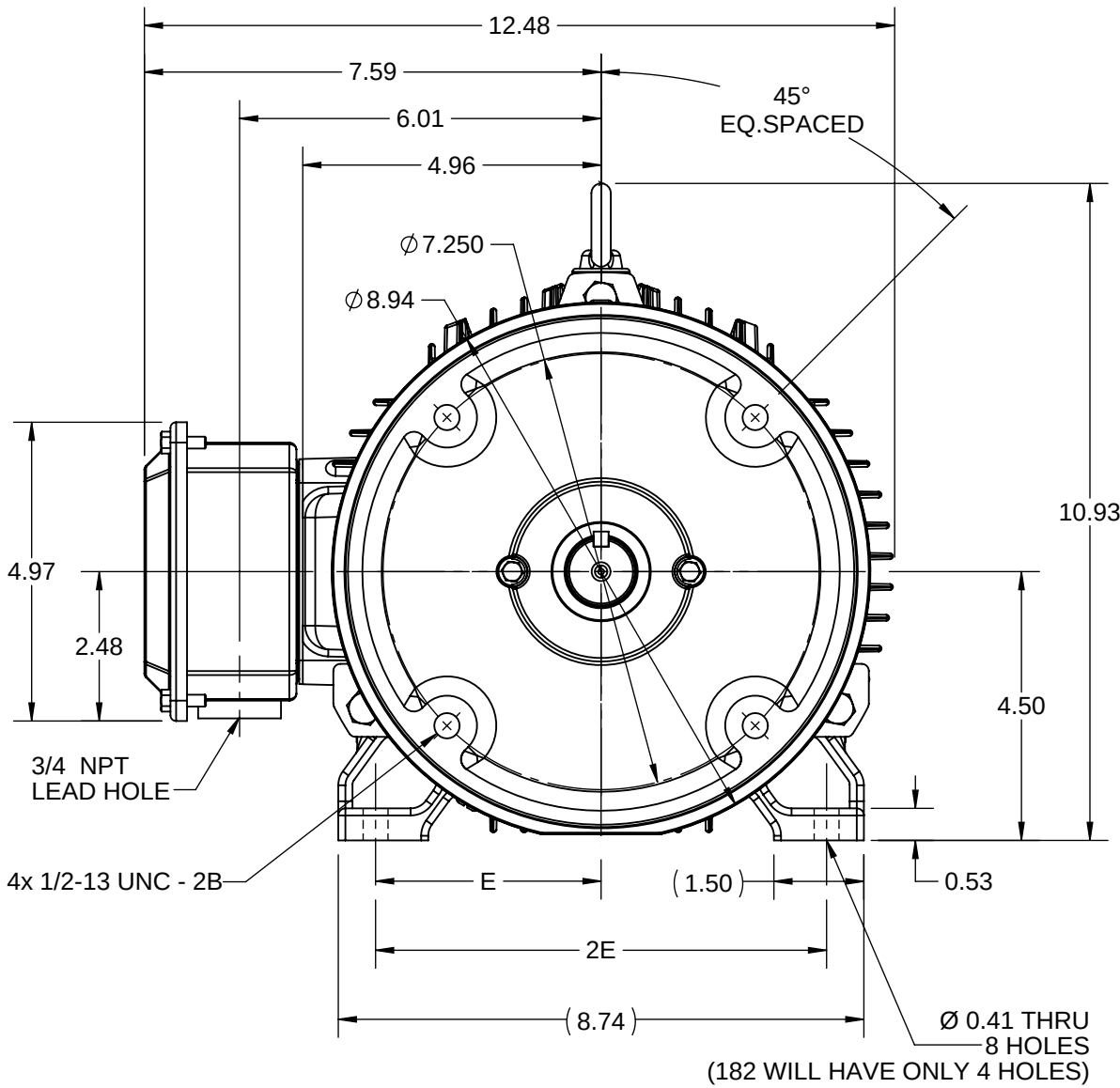
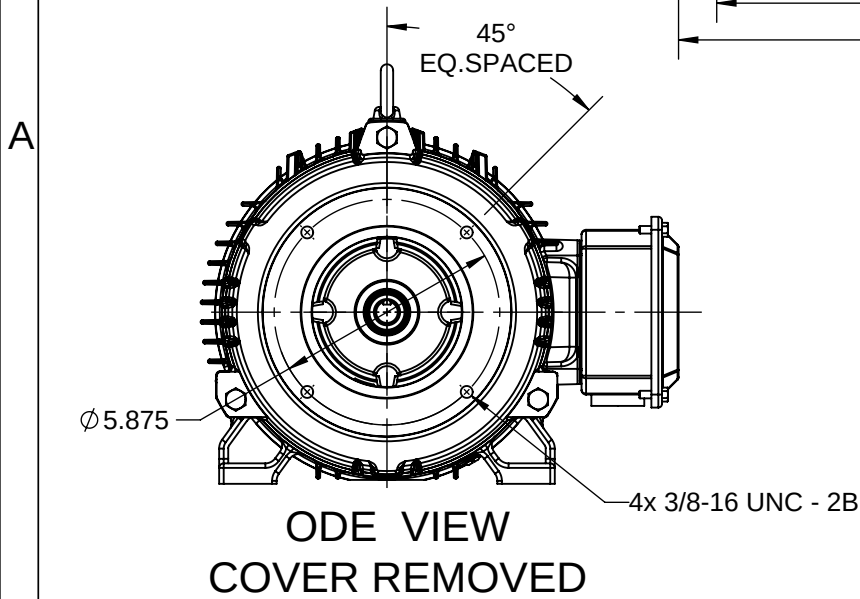
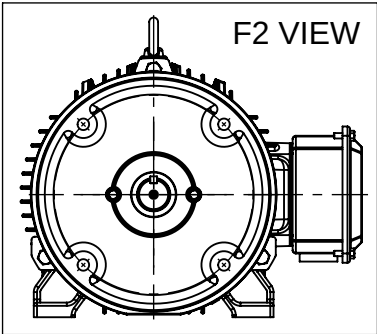
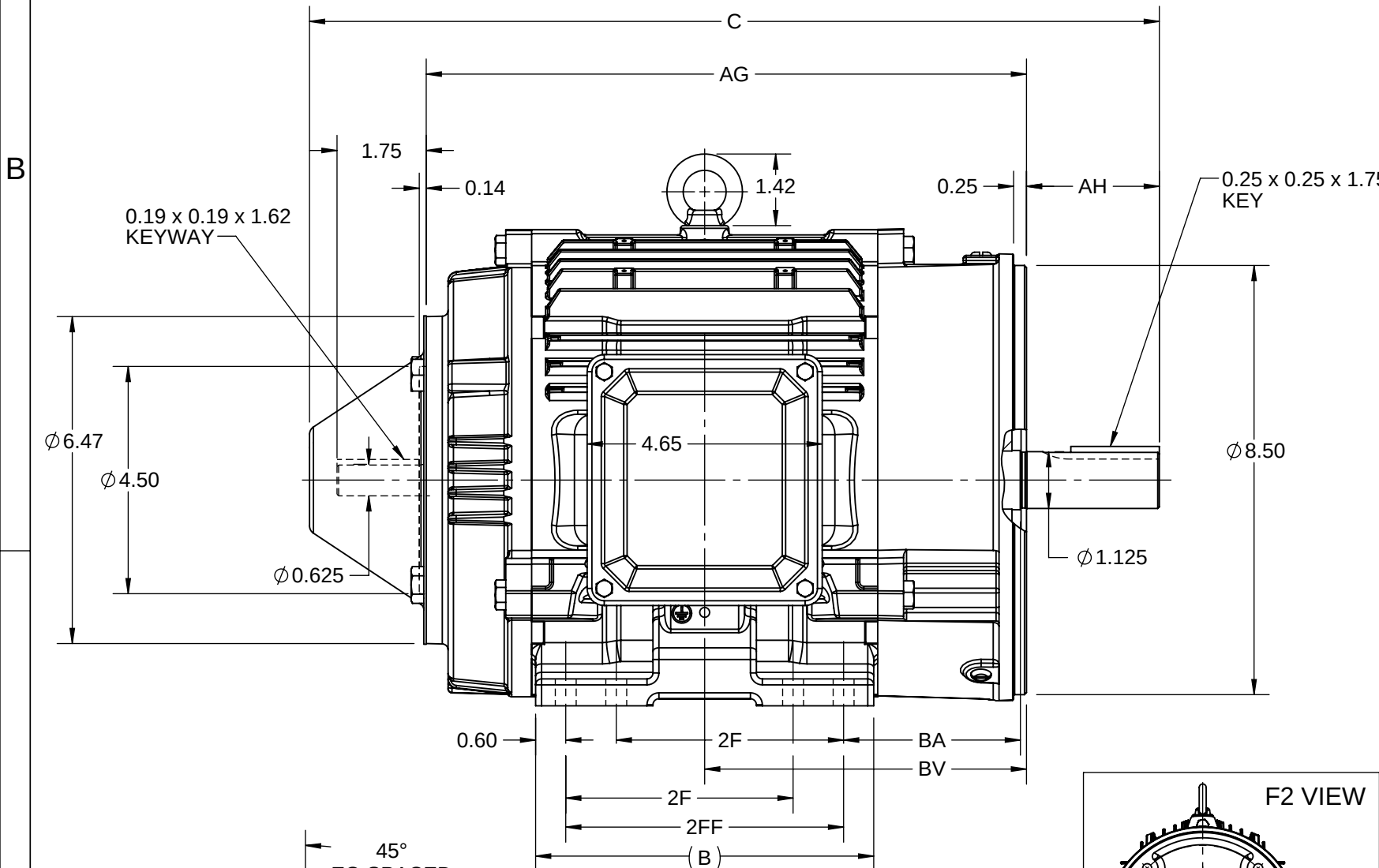
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	5.994 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 1000:1		

Drawings

Connection Drawing	EE7308T	Outline Drawing	SS621254-200
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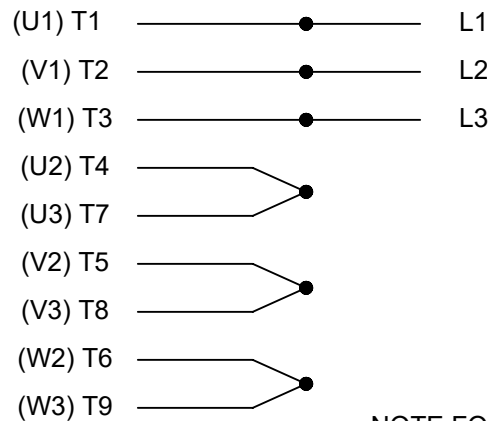
4					3					2		1
DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	5.67	15.82	3.75	7.50	---	4.50	10.88	2.62	3.50	5.87	F1 OR F2	182TC
200	6.69	16.82			4.50	5.50	11.88			6.37		182/184TC



DRAWING REVISION C	REVISION BY SB	REV DATE/© DATE 02/05/2026
REQUEST NUMBER CR-0025279	APPROVED BY RMS	DATE 02/05/2026
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PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY GOPI J		marathon™		
	DATE 07/02/2022				
	APPROVED BY GNK		DESCRIPTION OUTLINE 182/184TC FR NEMA-ODE 4.5 AK BRKT-TENV AL. FRAME		
	DATE 07/02/2022				
	REFERENCE		MATERIAL		PROCESS/FINISH
	THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS621254	

LOW VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

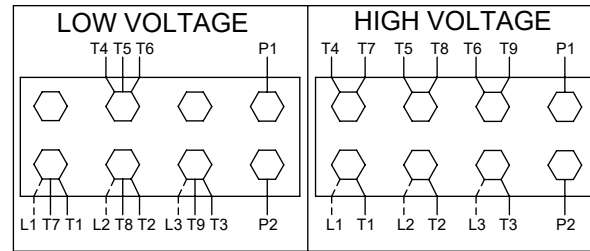
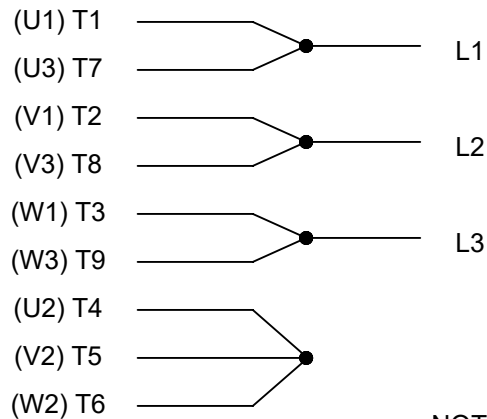


Diagram illustrating the terminal end of a cable, showing the internal wiring and color coding for 12 conductors and two thermoprotectors (PROT.).

The conductors are labeled T1 through T12, and the thermoprotectors are labeled PROT. The diagram shows the internal wiring and color coding for the conductors, which are connected to a common ground (T12).

Color coding for the conductors:

- T1: RED OR PURPLE
- T4: BLACK
- T7: BLACK
- T9: YELLOW
- T8: BROWN
- T6: ORANGE
- T5: BLACK
- T3: BLACK
- T2: RED
- T1: BLUE
- T3: PURPLE OR RED

The diagram is labeled "VIEW OF TERMINAL END" and "THERMO-PROTECTORS CONNECTED IN SERIES".

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR IMG PLANT

DRAWING REVISION U		REVISION BY SB	REV DATE/© DATE 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY SMC		marathon™		
REQUEST NUMBER CR-0023654		APPROVED BY SBD	DATE 08/01/2025		DATE 05-13-1992				
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED					APPROVED BY TB		DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - DUAL VOLTAGE MOTOR		
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					REFERENCE EE7308/EE7300		MATERIAL		PROCESS/FINISH
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308T		SHEET 1 OF 1