

Inverter (Vector) Duty Motors

Model No: 364THFCD8391

Catalog No: Y585A

Inverter (Vector) Duty Motor, 40 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 364TC Frame, TEBC-AXIAL

Product Information Packet: Model No: 364THFCD8391, Catalog No: Y585A Inverter (Vector) Duty Motor, 40 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 364TC Frame, TEBC-AXIAL

Nameplate Specifications

Phase	3	Output HP	40 Hp
Output KW	30.0 kW	Voltage	230/460 V
Speed	1185 r/min	Synchronous RPM	1200 r/min
Service Factor	1.00	Frame	364TC
Enclosure	Totally Enclosed Blower cooled - Axial	Thermal Protection	Thermostat
Efficiency	93.3 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	91.0/45.5 A
Power Factor	86	Duty	Continuous
Insulation Class	H	Design Code	INV
KVA Code	H	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6213	UL	Recognized
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

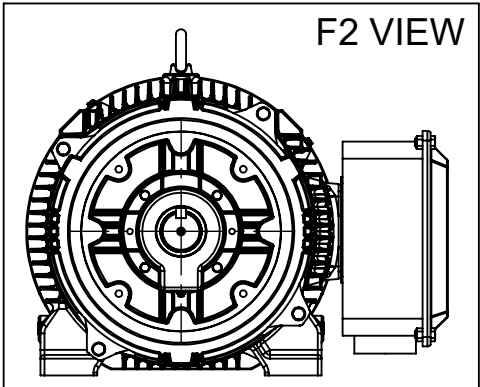
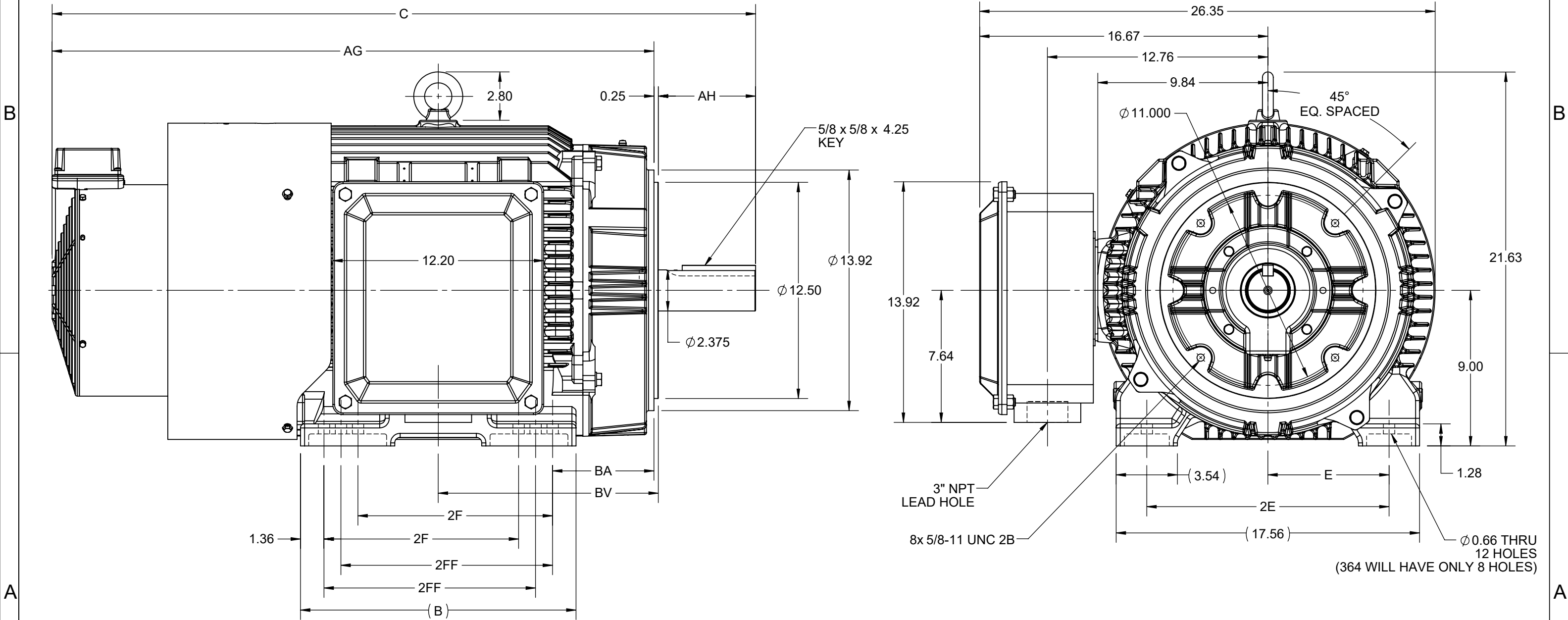
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	.2402 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2000:1

Drawings

Connection Drawing	EE7308T	Outline Drawing	SS621114-100
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4				3				2				1
DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	14.96	39.71	7.00	14.00	-	11.25	33.82	5.62	5.88	12.23	F1 OR F2	364TC
200	15.94	40.71			11.25	12.25	34.82			12.73		364/365TC

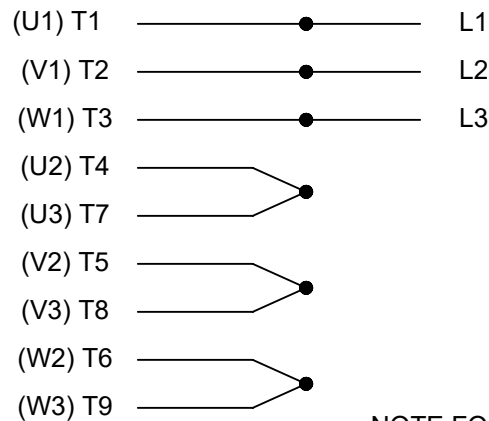


DRAWING REVISION C	REVISION BY SB	REV DATE/© DATE 08/21/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 08/21/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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PRIMARY DIMENSIONS ARE INCH
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DRAWN BY BISWA	marathon™		
DATE 18/12/2020			
APPROVED BY SBD	DESCRIPTION OUTLINE		
DATE 18/12/2020	364/365TC FR-NEMA-TEBC AXIAL BLOWER		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS621114	SHEET 1 OF 1

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

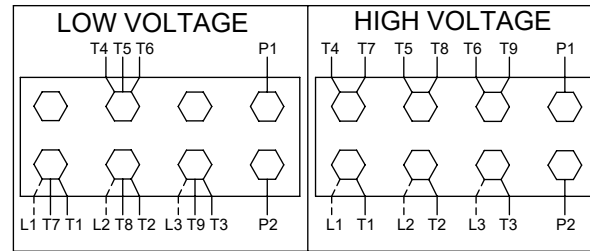
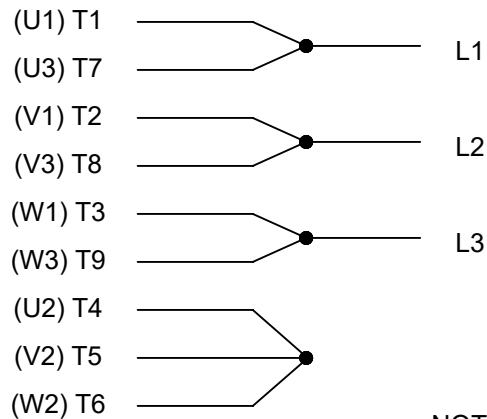


Diagram illustrating the terminal end of a cable, showing the internal wiring and color coding for the conductors. The diagram is labeled "VIEW OF TERMINAL END".

The conductors are labeled T1 through T12, and the thermoprotectors are labeled PROT. The conductors are connected to a common ground (T12) and are color-coded as follows:

- T1 (U1): RED OR PURPLE
- T4 (U2): BLACK
- T7 (U3): BLACK
- T9 (W3): YELLOW
- T8 (V3): BROWN
- T6 (W2): ORANGE
- T5 (V2): BLACK
- T2 (V1): BLACK
- T3 (W1): RED
- T12 (TB2): BLUE
- T10 (U4): PURPLE OR RED

The thermoprotectors (PROT.) are connected in series, as indicated by the label "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