

Inverter (Vector) Duty Motors

Model No: 215THTHD7726

Catalog No: Y547A

Inverter (Vector) Duty Motor, 10 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 215TC Frame, TENV

Product Information Packet: Model No: 215THTHD7726, Catalog No: Y547A Inverter (Vector) Duty Motor, 10 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 215TC Frame, TENV

Nameplate Specifications

Phase	3	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230/460 V
Speed	1770 r/min	Synchronous RPM	1800 r/min
Service Factor	1.00	Frame	215TC
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	Thermostat
Efficiency	91.7 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	25.0/12.5 A
Power Factor	81	Duty	Continuous
Insulation Class	H	Design Code	INV
KVA Code	L	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

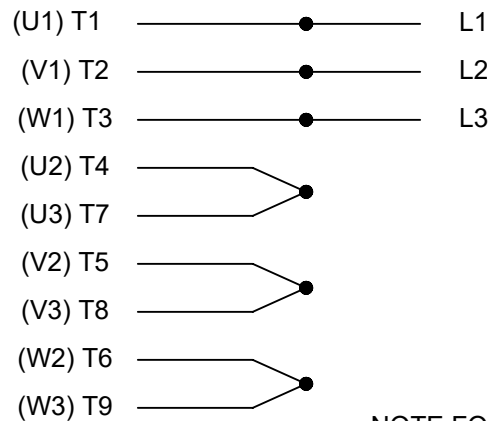
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.753 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	SS621268-200
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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

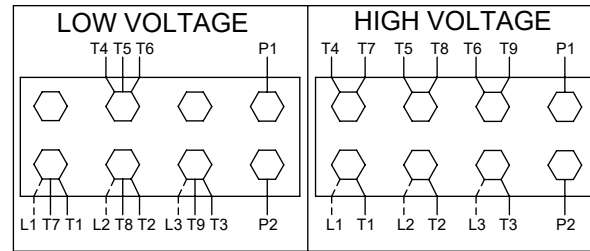
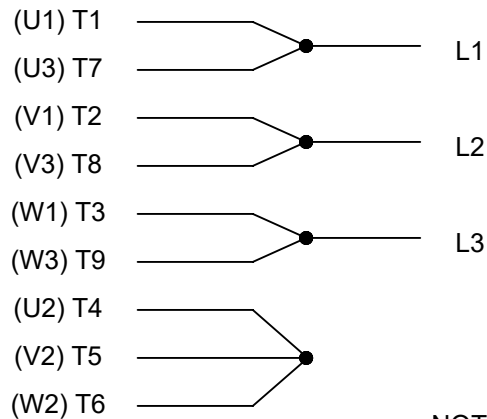


Diagram illustrating the terminal end of a cable, showing the internal wiring and the connection of thermoprotectors.

Thermoprotectors: Two thermoprotectors are connected in series, labeled "THERMO-PROTECTORS CONNECTED IN SERIES". They are labeled "PROT." and are connected to the outer sheath.

Conductors and Connections:

- T1:** Connected to the outer sheath (RED OR PURPLE).
- T4:** Connected to the outer sheath (BLACK).
- T7:** Connected to the outer sheath (BLACK).
- T9:** Connected to the outer sheath (YELLOW).
- T8:** Connected to the outer sheath (BROWN).
- T6:** Connected to the outer sheath (ORANGE).
- T5:** Connected to the outer sheath (BLACK).
- T2:** Connected to the outer sheath (BLACK).
- T3:** Connected to the outer sheath (RED).
- T12:** Connected to the outer sheath (BLUE).
- T11:** Connected to the outer sheath (PURPLE OR RED).

View of Terminal End: The diagram shows the internal wiring and the connection of thermoprotectors, labeled "VIEW OF TERMINAL END".

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