

Inverter (Vector) Duty Motors

Model No: 143THTBD5326

Catalog No: Y536A

Inverter (Vector) Duty Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 143TC Frame, TENV

Product Information Packet: Model No: 143THTBD5326, Catalog No: Y536A Inverter (Vector) Duty Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 143TC Frame, TENV

Nameplate Specifications

Phase	3	Output HP	1 Hp
Output KW	0.75 kW	Voltage	230/460 V
Speed	1750 r/min	Synchronous RPM	1800 r/min
Service Factor	1.00	Frame	143TC
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	Thermostat
Efficiency	84 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	3.0/1.5 A
Power Factor	73	Duty	Continuous
Insulation Class	F	Design Code	INV
KVA Code	M	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	43	Number of Speeds	1

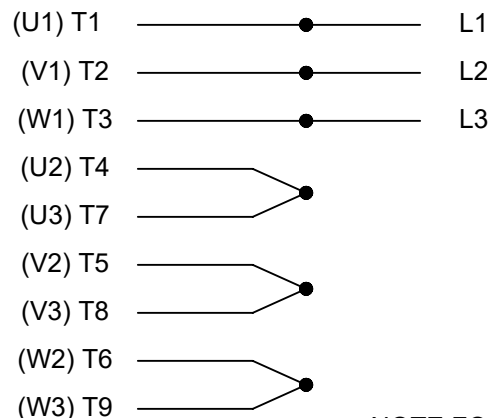
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	17.7 O	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	0.875 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2000:1

Drawings

Connection Drawing	EE7308T	Outline Drawing	SS621046-800
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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

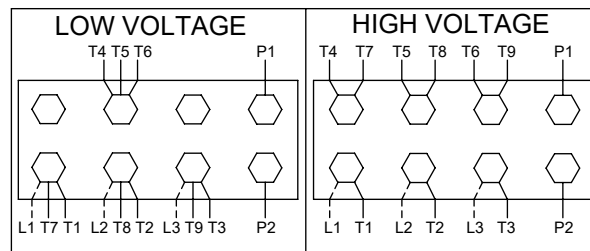
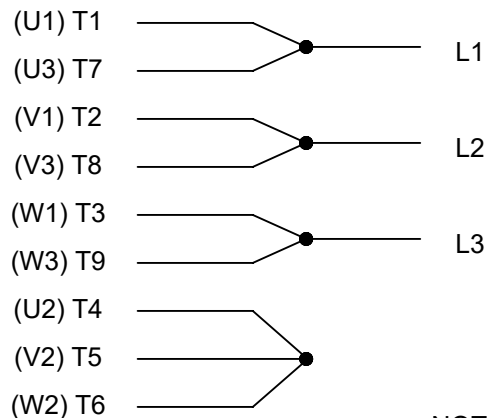


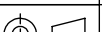
Diagram illustrating the terminal end of a cable, showing the internal arrangement of conductors and protective layers. The conductors are labeled T1 through T12, and the protective layers are labeled PROT. The diagram shows the internal arrangement of the conductors and their connection to the outer sheath.

Legend:

- RED OR PURPLE: P1 (TB1)
- BLACK: T1 (U1)
- BLACK: T4 (U2)
- YELLOW: T9 (W3)
- BROWN: T7 (U3)
- ORANGE: T8 (V3)
- BLACK: T6 (W2)
- BLACK: T5 (V2)
- RED: T2 (V1)
- BLUE: T3 (W1)
- PURPLE OR RED: P2 (TB2)

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									
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								DATE 05-13-1992									
								REFERENCE EE7308/EE7300		MATERIAL		PROCESS/FINISH					
								THIRD ANGLE PROJECTION				SIZE A		DRAWING NUMBER EE7308T		SHEET 1 OF 1	

