marathon®

Severe Duty Motors

Model No: 824529.00
Catalog No: 824529.00

Severe Duty Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 184T Frame, TEAO

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Product Information Packet: Model No: 824529.00, Catalog No: 824529.00 Severe Duty Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 184T Frame, TEAO

Nameplate Specifications

Phase	**3**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**230/460 V**
Speed	**1755 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**184T**
Enclosure	**Totally Enclosed Air Over**	Thermal Protection	**No Protection**
Efficiency	**90.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**12.4/6.2 A**
Power Factor	**83.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**J**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6206**	UL	**No**
CSA	**N**	CE	**N**
IP Code	**55**	Number of Speeds	**1**

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**2.62 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**15.82 in**
Frame Length	**10.0 in**	Shaft Diameter	**1 1/8 in**
Shaft Extension	**2.75 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Variable 10:1**		

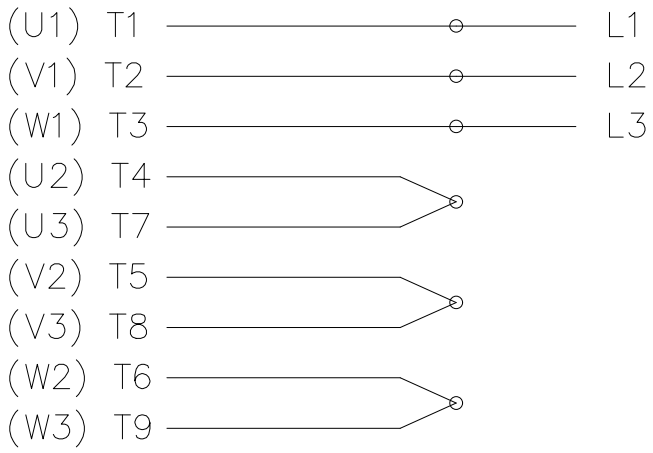
Drawings

Connection Drawing	**A-EE7308-LE**	Outline Drawing	**036362-1000**

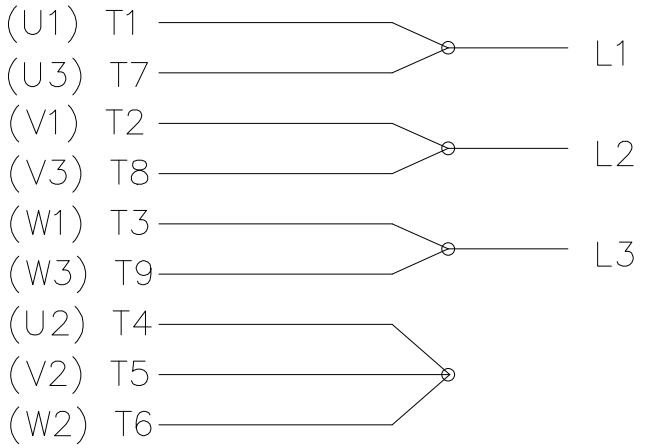
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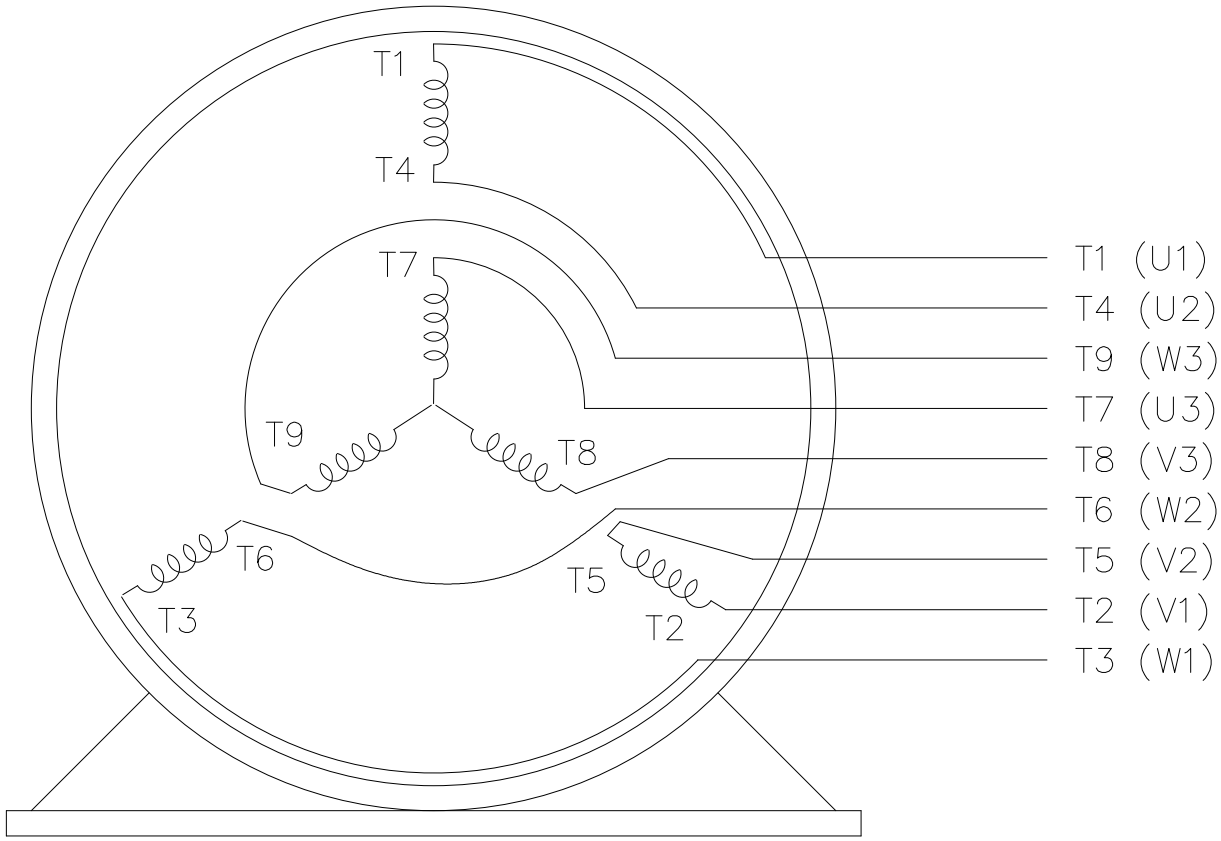
HIGH VOLTAGE



LOW VOLTAGE



THREE PHASE DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

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REQUEST NUMBER: CR-0027303	APPROVED BY: RMS	DATE: 08/11/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DATE: 04-29-2002	
APPROVED BY: GK	
DATE: 05-03-2002	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONNECTION DIAGRAM
3Ø - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	3 of 3 EE7308-LE	1 OF 1