marathon®

General Purpose Motors

Model No: 171682.60
Catalog No: 171682.60

General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 254TC Frame, DP

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Product Information Packet: Model No: 171682.60, Catalog No: 171682.60 General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 254TC Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**15 & 10 Hp**
Output KW	**11.2 & 7.5 kW**	Voltage	**208-230/460 & 190/380 V**
Speed	**1775 & 1480 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**254TC**
Enclosure	**Drip Proof**	Thermal Protection	**Thermostat**
Efficiency	**93 & 92.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**40.5-37/18.5 & 29.2/14.6 A**
Power Factor	**82.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.54 O**	Mounting	**Round**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**21.38 in**
Shaft Diameter	**1 5/8 in**	Shaft Extension	**4 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1**

Drawings

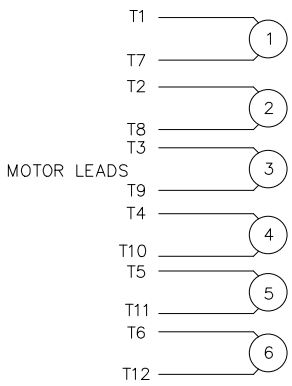
Connection Drawing	**00417201**	Outline Drawing	**SS622037LE**

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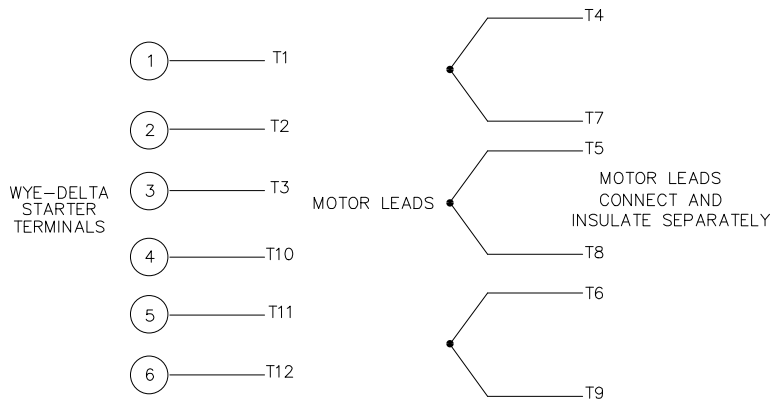
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WYE – DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

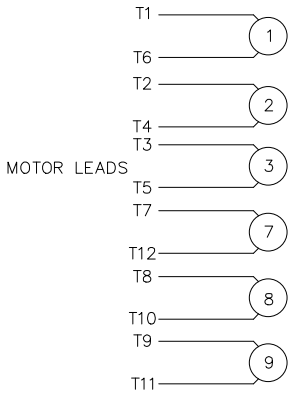


HIGH VOLTAGE CONNECTION



REFER TO THE WYE–DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

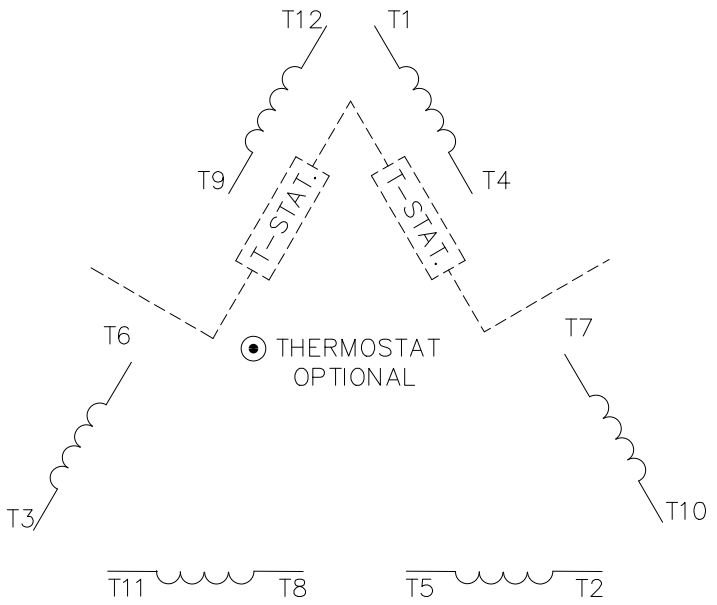
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER – HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

LINE LEADS



ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS

⦿ RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN

	LINE 1	LINE 2	LINE 3	JOIN & INSULATE SEPARATELY
HIGH VOLT	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)
LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11	

DRAWING REVISION F	REVISION BY SV	REV DATE/ © DATE 08/07/2026	
REQUEST NUMBER CR-0027273	APPROVED BY RMS	DATE 08/07/2026	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED			

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DRAWN BY WLW		marathon™	
DATE 09/08/77		DESCRIPTION DELTA - WYE CONNECTION DIAGRAM	
APPROVED BY JCW			
DATE 09/12/77			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER 004172-01	SHEET 1 OF 1