marathon®

General Purpose Motors

Model No: TCA0373AP211GAA009
Catalog No: R450

General Purpose Motor, 50 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 250M Frame, TEFC

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Product Information Packet: Model No: TCA0373AP211GAA009, Catalog No: R450 General Purpose Motor, 50 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 250M Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**50 Hp**
Output KW	**37.0 kW**	Voltage	**575 V**
Speed	**1190 r/min**	Synchronous RPM	**1200 r/min**
Service Factor	**1.15**	Frame	**250M**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**94.1 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**52.0 A**
Power Factor	**80**	Duty	**Continuous**
Insulation Class	**F8**	Design Code	**N (IEC)**
KVA Code	**J**	Drive End Bearing Size	**6314**
Opp Drive End Bearing Size	**6314**	UL	**Recognized**
CSA	**N**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.14 O**	Mounting	**B3**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**IEC**	Overall Length	**37.05 in**
Frame Length	**18.11 in**	Shaft Diameter	**2.56 in**
Shaft Extension	**5.51 in**	Assembly/Box Mounting	**F3**
Inverter Load	**Constant 2:1/Variable 10:1**		

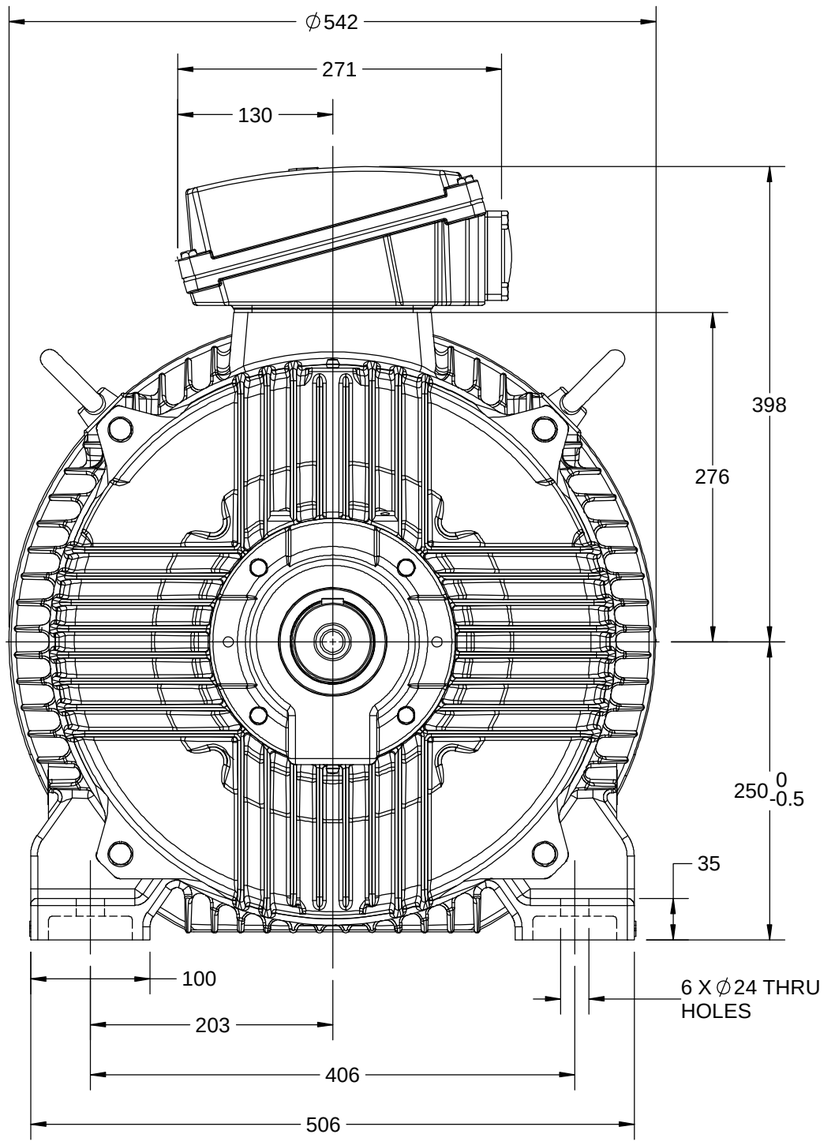
Drawings

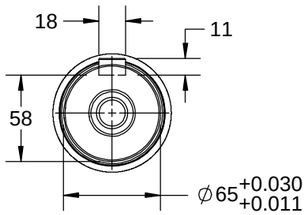
Connection Drawing	**8442000685**	Outline Drawing	**SS557724**

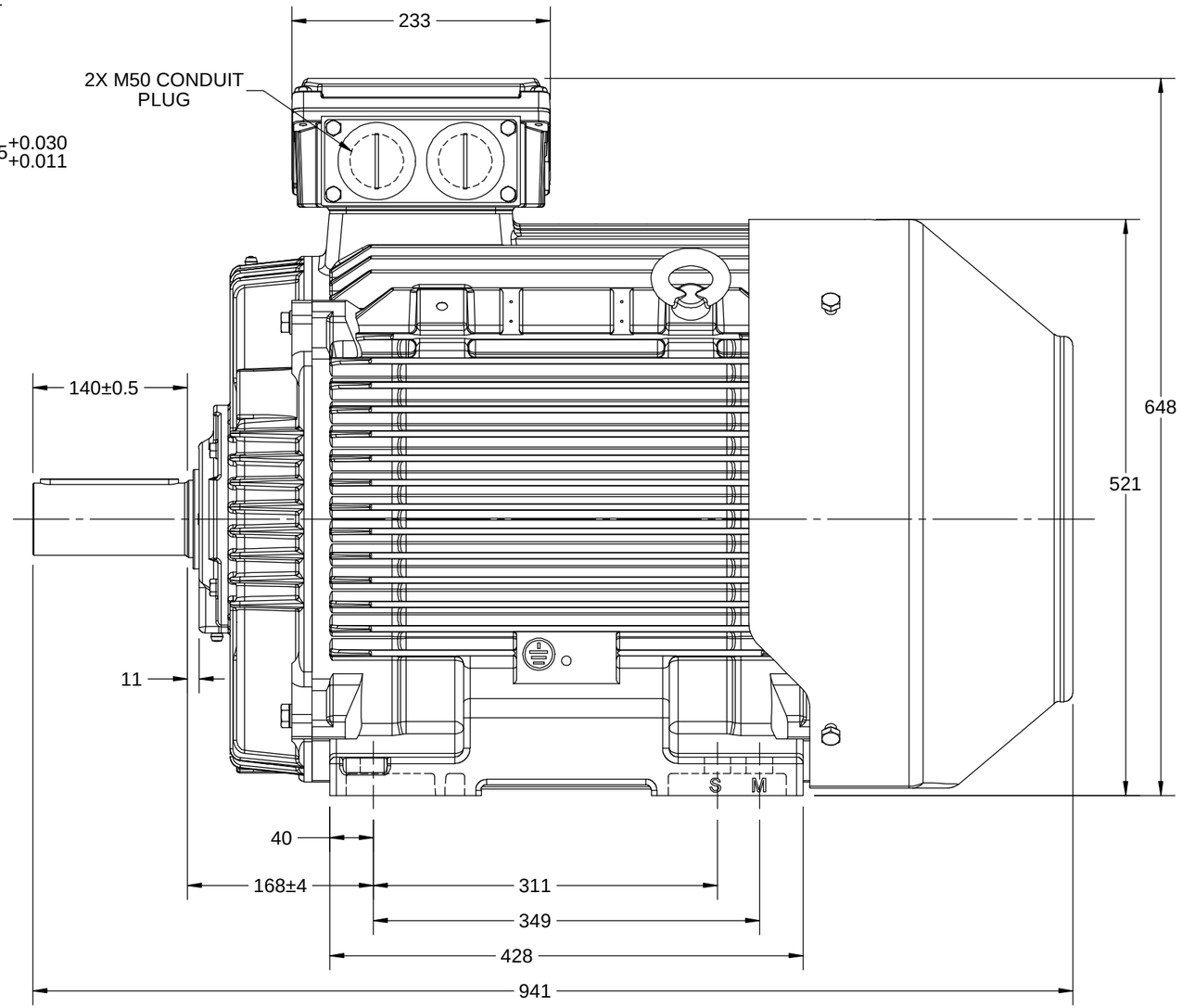
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OUTLINE



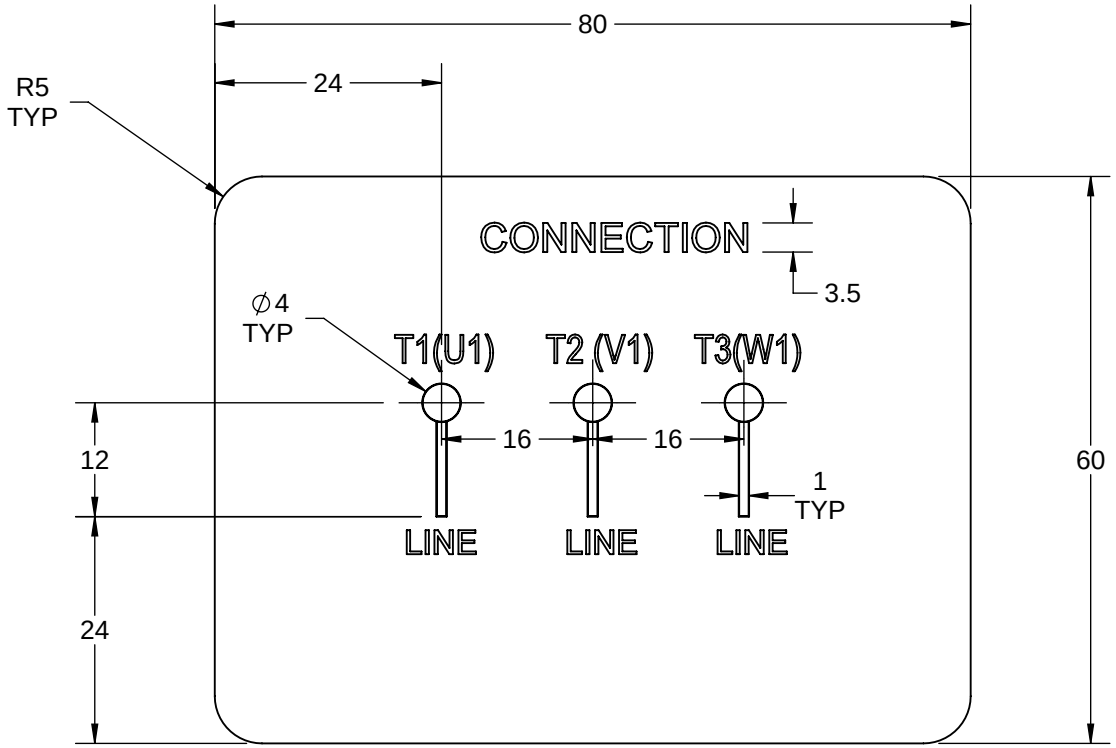




DRAWING REVISION: A	REVISION BY: LK	DATE: 05/12/2018		DRAWN BY: LK	marathon™ Motors
ECO: ECO-0157830	APPROVED BY: JAY	DATE: 05/12/2018		DATE: 05/12/2018	
ECO DESCRIPTION: NEW DRAWING RELEASE				APPROVED BY: JAY	DESCRIPTION: OUTLINE
				DATE: 05/12/2018	IEC-250FR-4P-B3 MOTOR TYPE: TEFC-CAST IRON
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS557724 / SHEET: 1 OF 1

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GENERAL TOLERANCE		
LINEAR DIM	>0~6	±0.1
	>6~30	±0.2
	>30~120	±0.3



NOTES:

1. PRESSURE-SENSITIVE ADHESIVE TAPE COATED WITH ANTI-ADHESIVE.
2. YELLOW COLOR BACK GROUND LETTERS WILL BE BLACK.
3. DIMENSIONS WITHOUT INDICATED TOLERANCES SHALL CONFORM TO THE GENERAL TOLERANCE TABLE
4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T2 - T3 & U1-V1-W1 OF ARIAL WITH 3mm SIZE
5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

DRAWING REVISION	REVISION BY	REV DATE/© DATE
B	SB	06/03/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026504	RMS	06/03/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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ARE FOR REFERENCE ONLY

DRAWN BY	A. KEETHA
DATE	24/07/2019
APPROVED BY	SN
DATE	24/07/2019
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONNECTION DIAGRAM
3 LEAD CONNECTION

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	8442000685	1 OF 1