marathon®

General Purpose Motors

Model No: TCA2P23AE271GAA009
Catalog No: R623

General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 RPM, 112M Frame, TEFC

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Product Information Packet: Model No: TCA2P23AE271GAA009, Catalog No: R623 General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 RPM, 112M Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**3 & 2 Hp**
Output KW	**2.2 & 1.5 kW**	Voltage	**230/460 & 200/400 V**
Speed	**1170 & 980 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**112M**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 & 82.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**10.3/5.1 & 8.3/4.2 A**
Power Factor	**70**	Duty	**Continuous**
Insulation Class	**F8**	Design Code	**N (IEC)**
KVA Code	**M**	Drive End Bearing Size	**6306**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**N**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**

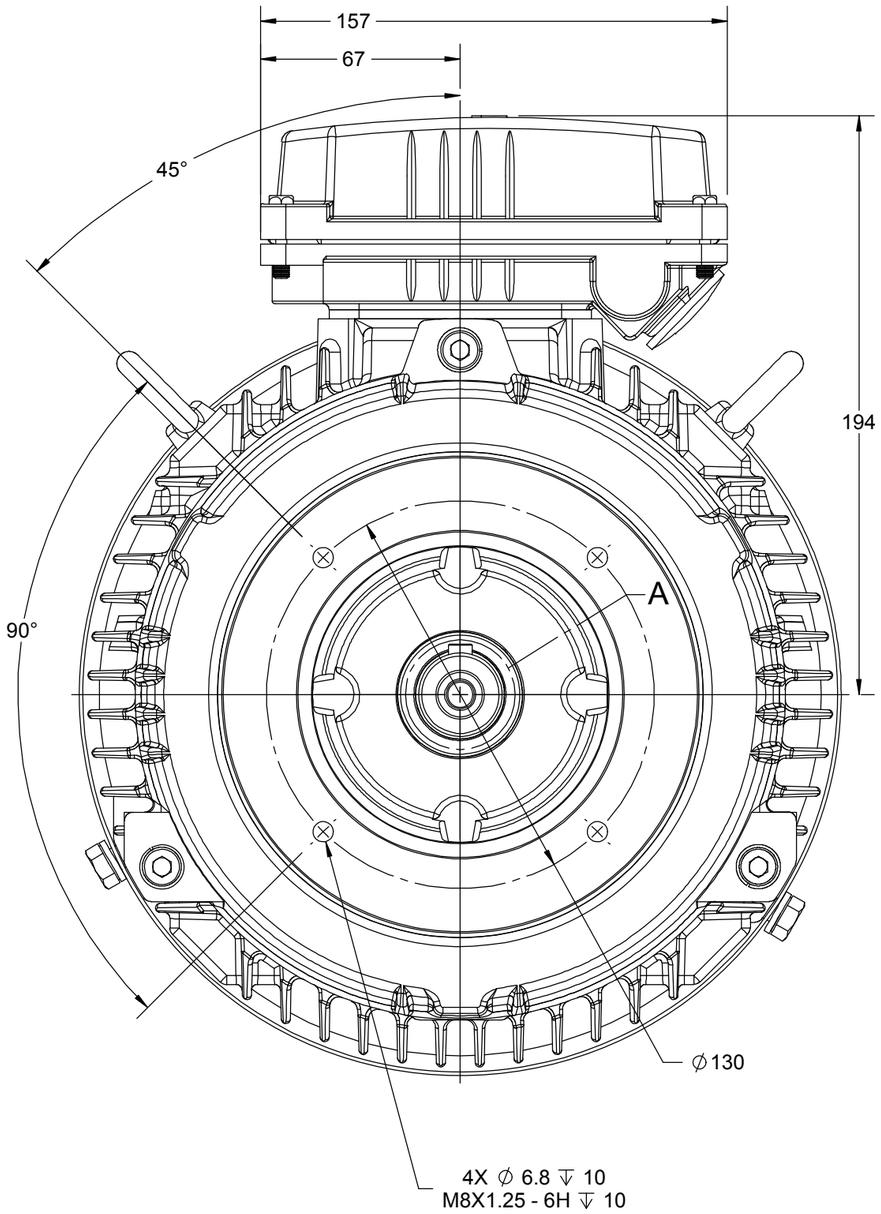
Technical Specifications

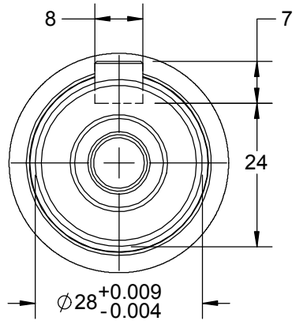
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**3.31 O**	Mounting	**Round**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**IEC**	Overall Length	**15.71 in**
Frame Length	**6.85 in**	Shaft Diameter	**1.102 in**
Shaft Extension	**2.36 in**	Assembly/Box Mounting	**F3**
Inverter Load	**Constant 2:1/Variable 10:1**		

Drawings

Connection Drawing	**8442000675**	Outline Drawing	**SS620898**

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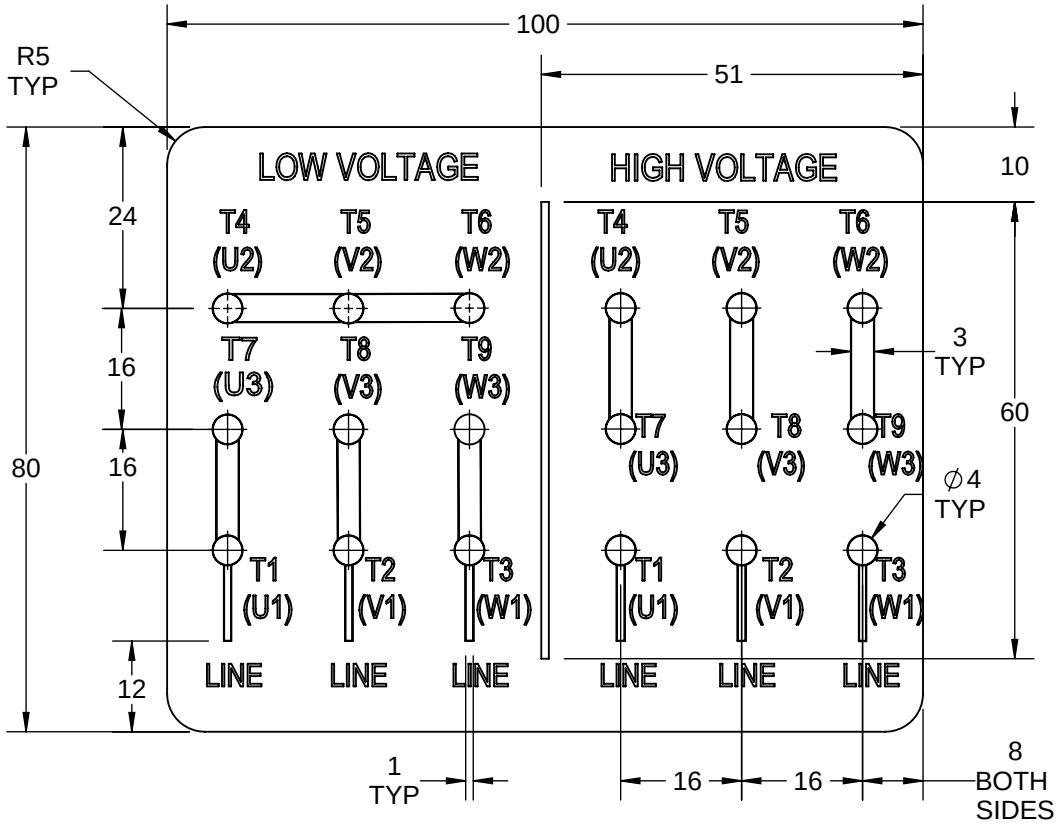


DETAIL A

DRAWING REVISION A	REVISION BY MSH	DATE 11/02/2019		DRAWN BY MSH	marathon™ Motors
ECO ECO-0161495	APPROVED BY JAY	DATE 11/02/2019		DATE 11/02/2019	
ECO DESCRIPTION NEW DRAWING RELEASE				APPROVED BY JAY	DESCRIPTION OUTLINE IEC-112M-B14A, MOTOR TYPE: NA-TEFC-CAST IRON
				DATE 11/02/2019	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620898 / 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. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE BY THE TABLE.
4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 3mm SIZE.
5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	SV	05/11/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026249	RMS	05/11/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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PRIMARY DIMENSIONS ARE mm
INCH DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	DATE	APPROVED BY	DATE	REFERENCE
NIV	29/01/2019	JAY	29/01/2019	

THIRD ANGLE PROJECTION

marathon™

DESCRIPTION
CONNECTION DIAGRAM
9 LEADS- STAR CONNECTON

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	8442000675	1 OF 1