marathon®

General Purpose Motors

Model No: 100LTFC6537
Catalog No: R452A

General Purpose Motor, 4 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 100L Frame, TEFC

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Product Information Packet: Model No: 100LTFC6537, Catalog No: R452A General Purpose Motor, 4 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 100L Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**4 Hp**
Output KW	**3.0 kW**	Voltage	**575 V**
Speed	**1760 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**100L**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**4.0 A**
Power Factor	**83**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**K**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**54**	Number of Speeds	**1**

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**2.42 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**IEC**	Overall Length	**16.33 in**
Shaft Diameter	**1.1 in**	Shaft Extension	**2.36 in**
Assembly/Box Mounting	**F3**	Inverter Load	**Constant 20:1**

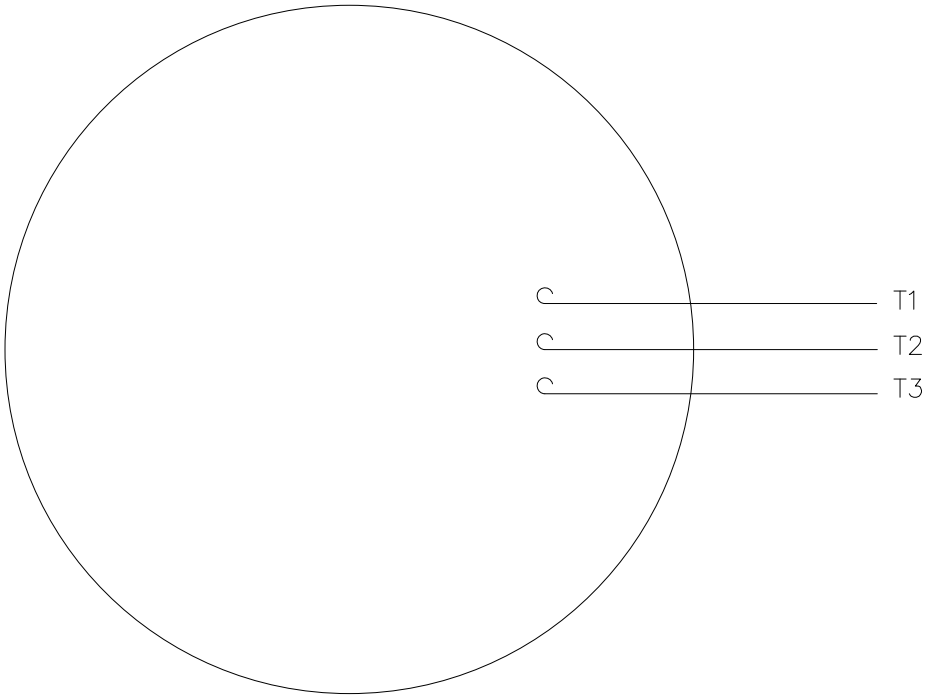
Drawings

Connection Drawing	**005102.01ME**	Outline Drawing	**SS622236**

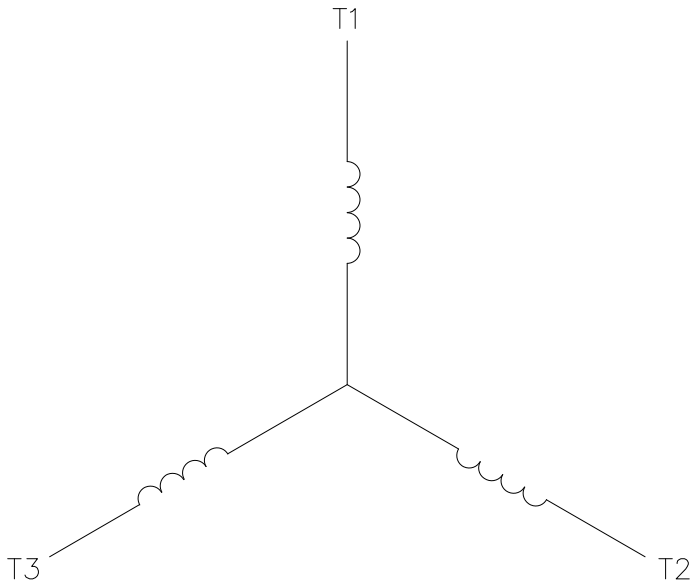
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ( )

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

DRAWING REVISION	REVISION BY	REV DATE/ © DATE
D	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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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.01	[±0.3]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	RDW
DATE	05/01/02
APPROVED BY	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
EXTERNAL WIRING DIAGRAM
TYPE "T" W/O PROTECTOR

MATERIAL	PROCESS/FINISH
DECAL - 004169	

SIZE	DRAWING NUMBER	SHEET
A	3 of 3 005102-01ME	1 OF 1