marathon®

General Purpose Motors

Model No: LM32842
Catalog No: LM32842

General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 286TSC Frame, TEFC

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Product Information Packet: Model No: LM32842, Catalog No: LM32842 General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 286TSC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**30 & 25 Hp**
Output KW	**22.4 & 18.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1770 & 1470 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.25 & 1.15**	Frame	**286TSC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**93.6 & 93 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**75/37.5 & 76/38 A**
Power Factor	**80**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6209**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

Technical Specifications

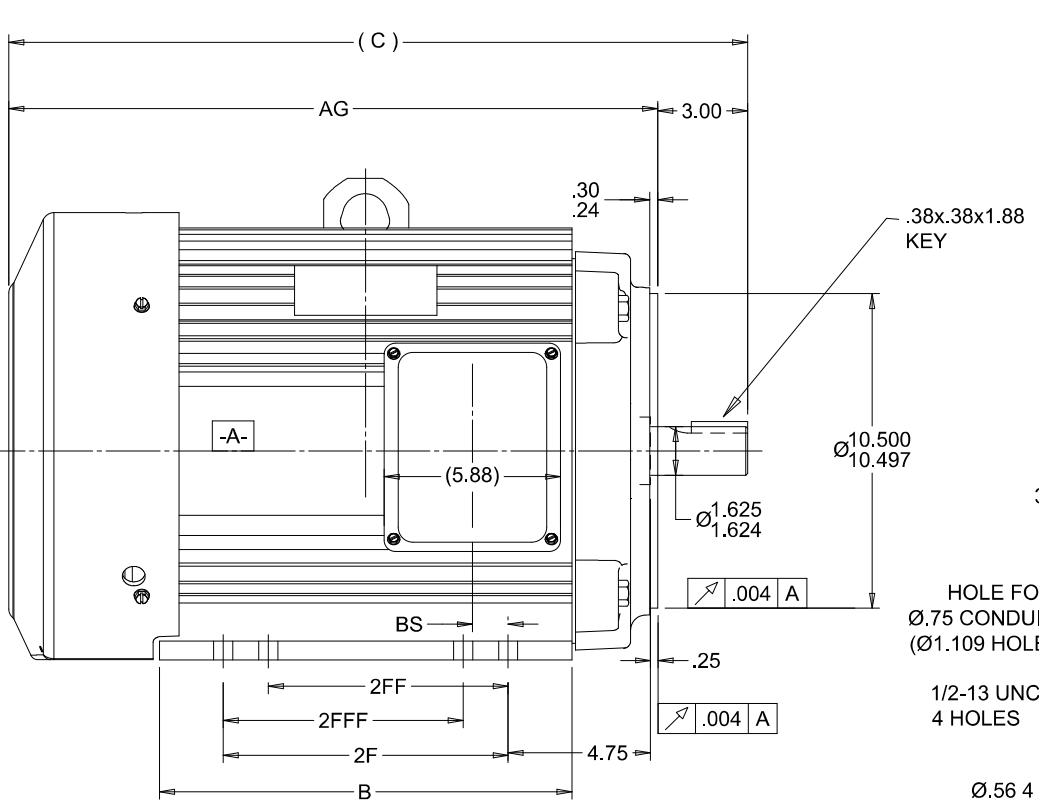
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Wye Start Delta Run**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.2 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Aluminum**
Shaft Type	**TS**	Overall Length	**26.63 in**
Frame Length	**15.25 in**	Shaft Diameter	**1 5/8 in**
Shaft Extension	**3.25 in**	Assembly/Box Mounting	**F1/F2 Capable**

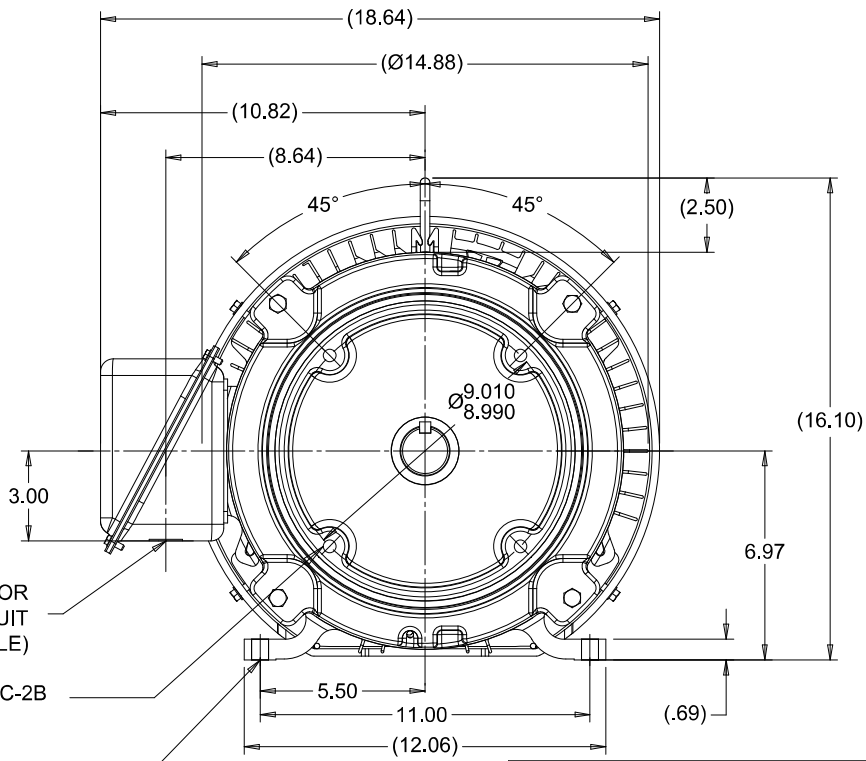
Drawings

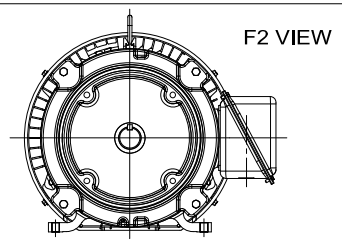
Connection Drawing	**EE7358**	Outline Drawing	**XF5F1SC2-1525**

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NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90 ° STEPS.
2. CONDUIT BOX CAN BE MOUNTED IN OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180 °.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	AG	2F	2FF	2FFF	BS
1375	284TSC	24.64	21.64	9.50			1.69
1525	286TSC	26.14	23.14	11.00	9.50	9.50	1.69

DRAWING REVISION H	REVISION BY SB	DATE 07/25/2025
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 07/25/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45 °
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	NJS
DATE	03/11/2003
APPROVED BY	TB
DATE	03/12/2003
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
OUTLINE
280TSC TEFC UEI

MATERIAL | PROCESS/FINISH

SIZE B | DRAWING NUMBER XF5F1SC2 | SHEET 1 OF 1