marathon®

Explosion Proof Motors

Model No: 182TTGCD6536
Catalog No: C368B

Explosion Proof Motor, 3 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 182TC Frame, EPFC

©2026 Marathon, All Rights Reserved.

marathon®

Product Information Packet: Model No: 182TTGCD6536, Catalog No: C368B Explosion Proof Motor, 3 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 182TC Frame, EPFC

Nameplate Specifications

Phase	**3**	Output HP	**3 Hp**
Output KW	**2.2 kW**	Voltage	**575 V**
Speed	**1762 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.00**	Frame	**182TC**
Enclosure	**Explosion Proof Fan cooled**	Thermal Protection	**Thermostat**
Efficiency	**89.5 %**	Ambient Temperature	**50 °C**
Frequency	**60 Hz**	Current	**3.2 A**
Power Factor	**78**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**K**	Drive End Bearing Size	**6207**
Opp Drive End Bearing Size	**6206**	UL	**UL Listed And CSA Certified**
CSA	**Y**	CE	**N**
IP Code	**54**	Number of Speeds	**1**
Hazardous Location	**DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C**		

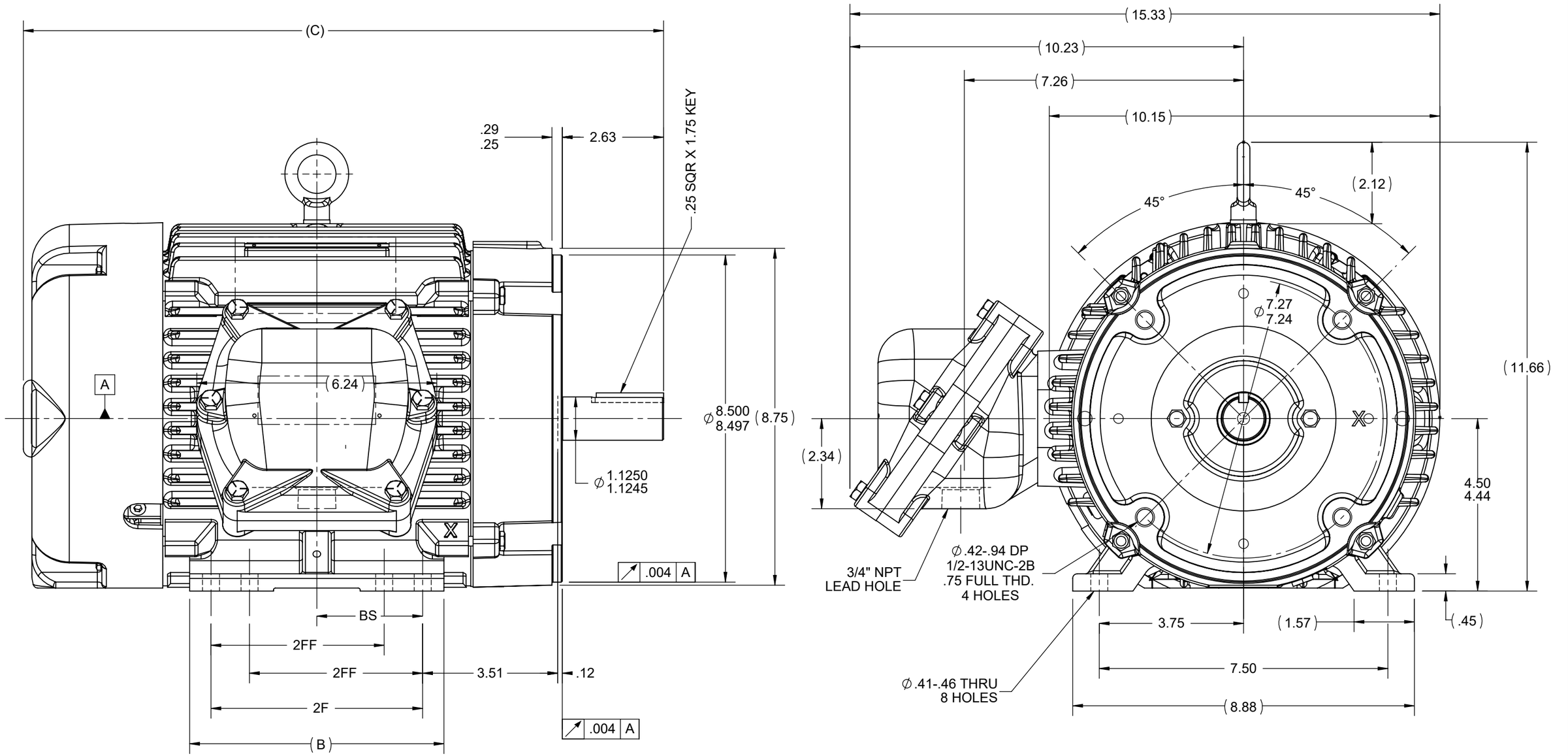
Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**4.15 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Shaft Diameter	**1.125 in**
Assembly/Box Mounting	**F1 Only**	Inverter Load	**Constant 10:1**

Drawings

Connection Drawing	**A-EE7300T**	Outline Drawing	**035673-800**

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 14/10/2026



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

1000	182/184	18.63	8.61	7.50	5.50	3.75
800	182/184	16.63	6.61	5.50	4.50	2.75
DASH	FRAME	C	B	2F	2FF	BS

DRAWING REVISION: D	REVISION BY: SB	REV DATE/© DATE: 07/24/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 07/24/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

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

DRAWN BY: TJW	
DATE: 3/25/2008	
APPROVED BY: SW	
DATE: 3/26/2008	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION: OUTLINE
180 FR. EPFC - C FACE - CAST C'BOX

MATERIAL | PROCESS/FINISH

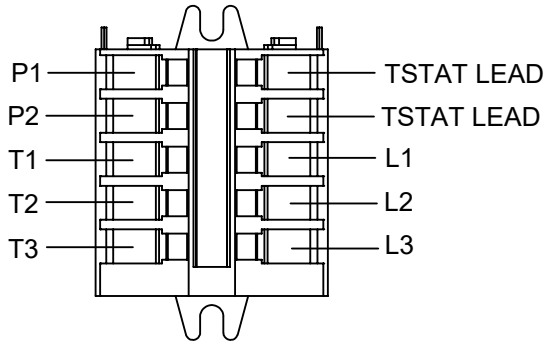
SIZE: B | DRAWING NUMBER: 035673 | SHEET: 1 OF 1

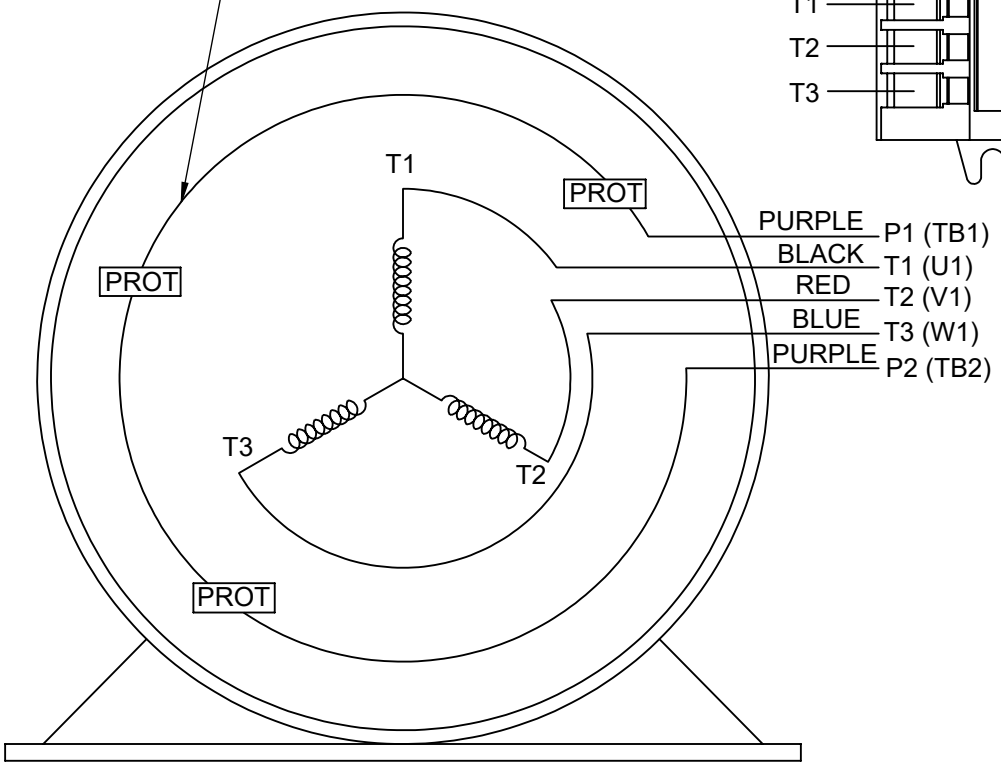
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1

TERMINIAL BLOCK WHEN SPECIFIED

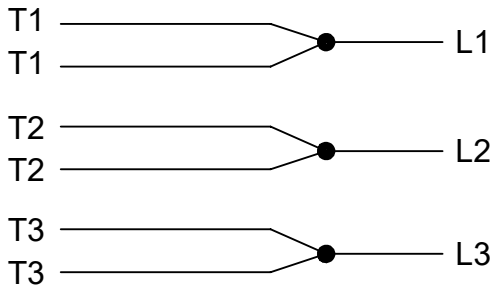




VIEW OF TERMINAL END

T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

DRAWING REVISION AC	REVISION BY SB	REV DATE/© DATE 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY LZ	marathon™
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025		DATE 01-04-1994	
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED				APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR
				DATE 01-20-1994	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE A / DRAWING NUMBER EE7300T / SHEET 1 OF 1

COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

Data Sheet

Date: 3/27/2024
Customer:
Attention:
Submitted by: RAMYA

marathon® Motors

182TTGCD6536

Submittal

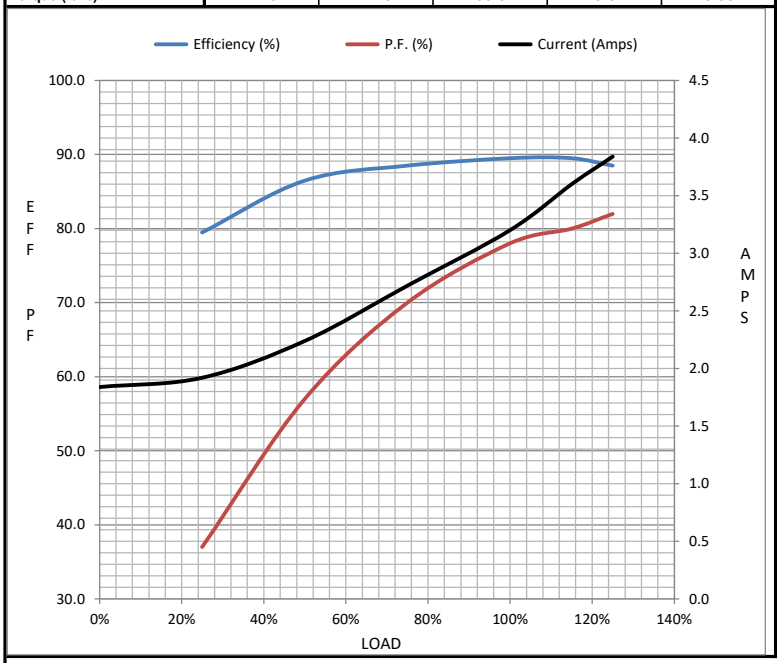
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.84	1.92	2.24	2.72	3.2	3.6	3.8	25.6	
Torque (ft-lb)	0.00	2.20	4.4	6.7	9.0	10.3	11.2	22.0	
RPM	1800	1790	1782	1772	1762	1,758	1755	0	
Efficiency (%)		79.5	86.5	88.5	89.5	89.5	88.5		
P.F. (%)	7.0	37.0	57.0	70.0	78.0	80.0	82.0	48.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1675	1762	1800
Current (Amps)	25.6	22.4	14.4	3.2	1.84
Torque (ft-lb)	22.0	17.0	30.0	9.0	0.00



Information Block

HP	3.0	
Sync. RPM	1800	
Frame	182	
Enclosure	EPFC	
Construction	TFC	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	K	
Service Factor	1	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	50	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.30	Lb-Ft²
Ref Wdg	HA31124021 R1	
Sound Pressure @ 1M	62	dBA
VFD Rating	CONSTANT 10:1	
Outline Dwg	035673-800	
Conn. Diag	A-EE7300T	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
3.6950	2.2170	8.4250	8.4250	184.7660

Speed -Torque Curve

