marathon®

50 Hz Motors

Model No: 184TTFBD8029
Catalog No: H1126

50 Hz Motor, 5 HP, 3 Ph, 50 Hz, 220/380/440 V, 1500 RPM, 184TC Frame, TEFC

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Product Information Packet: Model No: 184TTFBD8029, Catalog No: H1126 50 Hz Motor, 5 HP, 3 Ph, 50 Hz, 220/380/440 V, 1500 RPM, 184TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**220/380/440 V**
Speed	**1440 r/min**	Synchronous RPM	**1500 r/min**
Service Factor	**1.15**	Frame	**184TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**87.5 %**	Ambient Temperature	**40 °C**
Frequency	**50 Hz**	Current	**13.0/7.5/6.5 A**
Power Factor	**88.2**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**

Technical Specifications

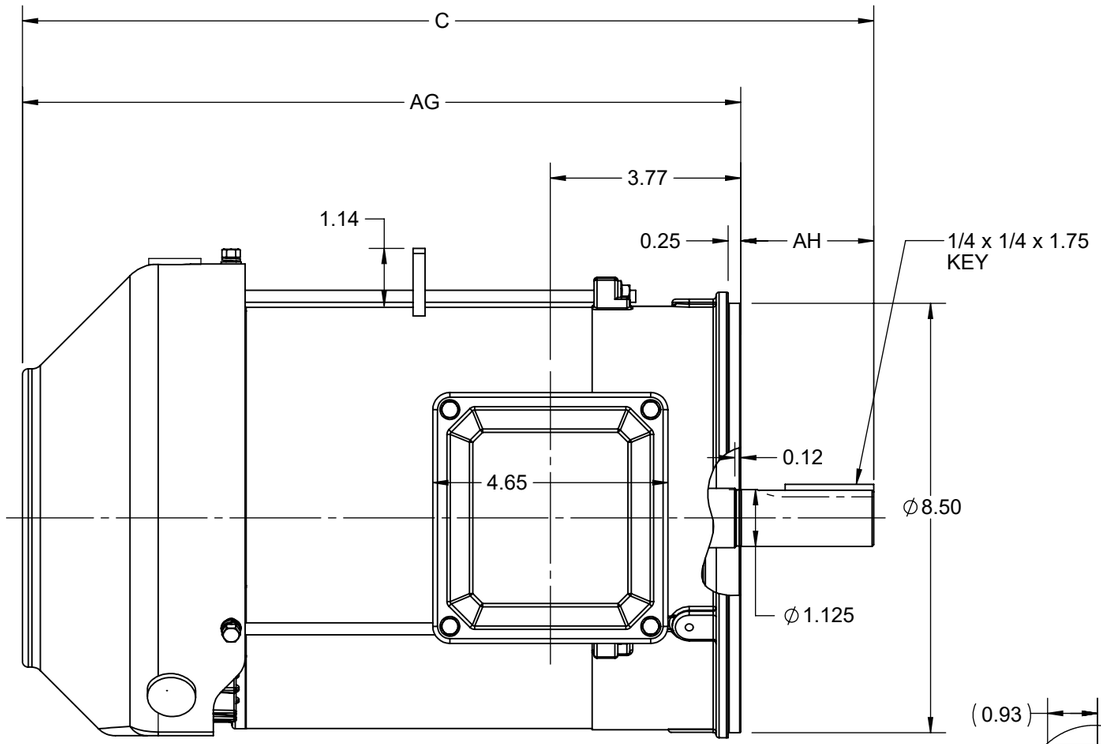
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**2.705 O**	Mounting	**Round**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Shaft Diameter	**1.125 in**
Assembly/Box Mounting	**F1/F2 Capable**		

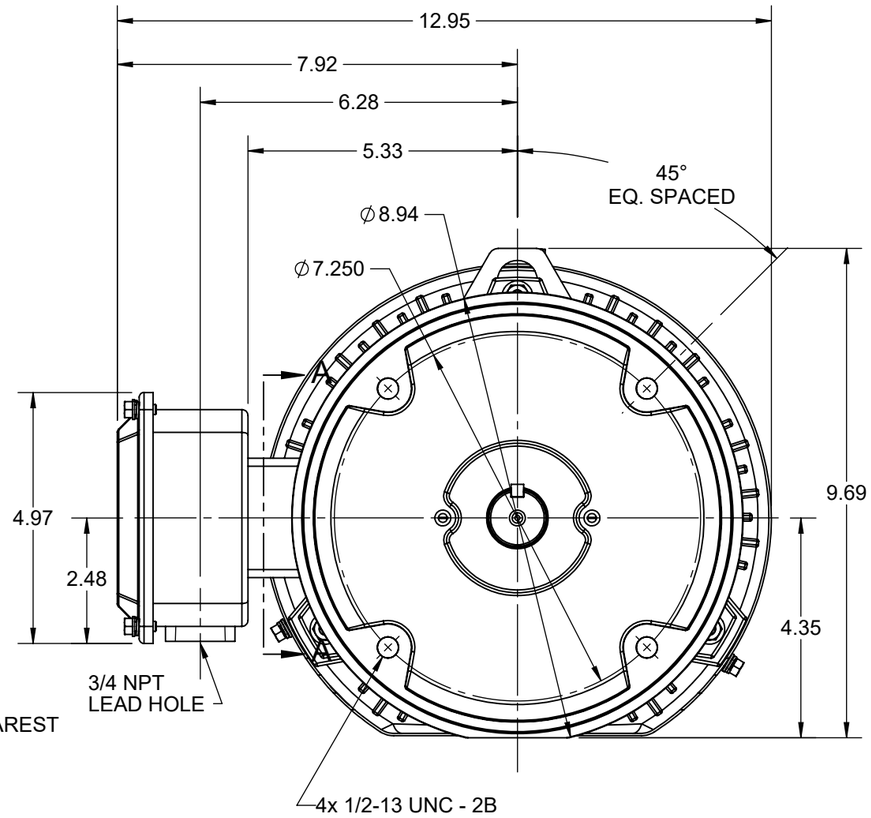
Drawings

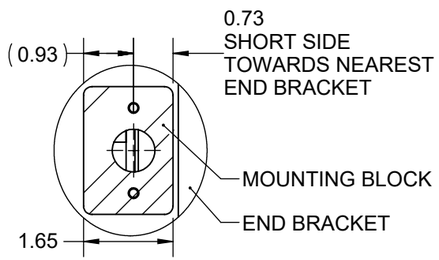
Connection Drawing	**EE7326E**	Outline Drawing	**SS600201-200**

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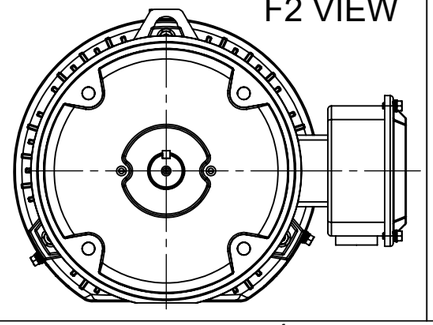
DASH NO.	C	AG	AH	MOUNTING	FRAME
100	15.85	13.22	2.62	F1 OR F2	182TC
200	16.85	14.22			184TC







SECTION A-A
MOUNTING BLOCK
ORIENTATION



DRAWING REVISION: E	REVISION BY: SB	REV DATE/© DATE: 07/23/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 07/23/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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

DRAWN BY: PRIYA	marathon™	
DATE: 08/03/2018	DESCRIPTION: OUTLINE 182/184TC FR TEFC RS, FOOTLESS	
APPROVED BY: SBD		
DATE: 08/03/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600201	SHEET: 1 OF 1

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

marathon® Motors

DATA VOLTS: 440

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308AA
OUTLINE: SS600201-200
WINDING: HA31124040 NONE 2
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 184TTFBD8029
CAT #: H1126
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
5	3.7	1500	1440	184TC	TEFC	TFB	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	50	220/380/440	13/7.5/6.5	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	87.5	3/4 LD EFF	90.0	1/2 LD EFF	91.0	GTD EFF	ELECT. TYPE
F.L. PF	88.2	3/4 LD PF	87.2	1/2 LD PF	81.8	87.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
18.5 LB-FT	38.9	35.0 LB-FT 189%	40.0 LB-FT 216%	60	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.	MOTOR WGT
0 dBA	9 dBA	0.389 LB-FT²	0 LB-FT²	0 SEC.	0	0	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6206	6205						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
3.062204986	2.017783934	6.680808864	0.807113573	199.0902493	0.150	ODE

*
NOTES
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:

PREPARED BY: CHANDANA DESU
DATE: 6/20/2022

FORM: 3531 REV_4 2/27/06

UL: V - LI,ME-INS,CONST UL REC