

PRODUCT INFORMATION PACKET



Model No: 182TTFBD6029
Catalog No: GT1310A
3,1800,TEFC,182TC,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	8.0/4.0 A	Speed	1762 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	182TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Listed
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Frame Length	5.85 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS600201	Connection Diagram	EE7308

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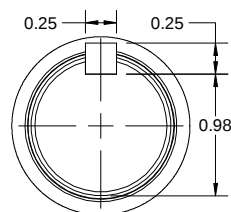
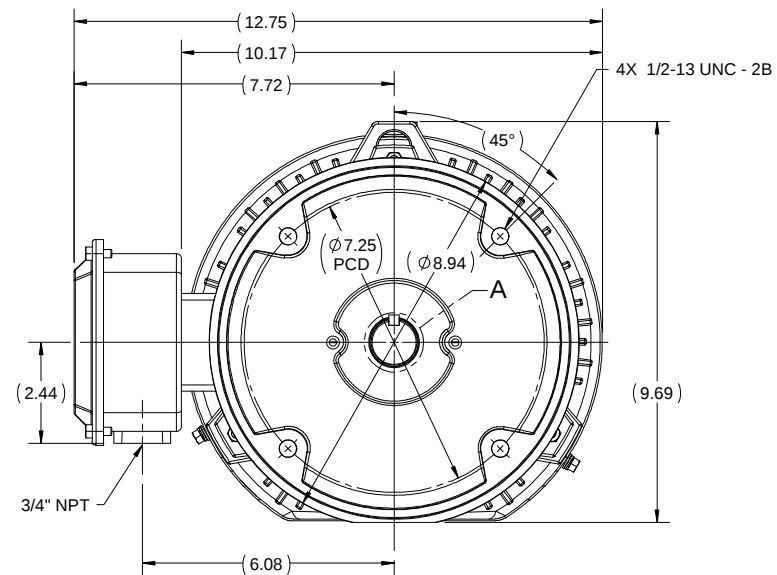
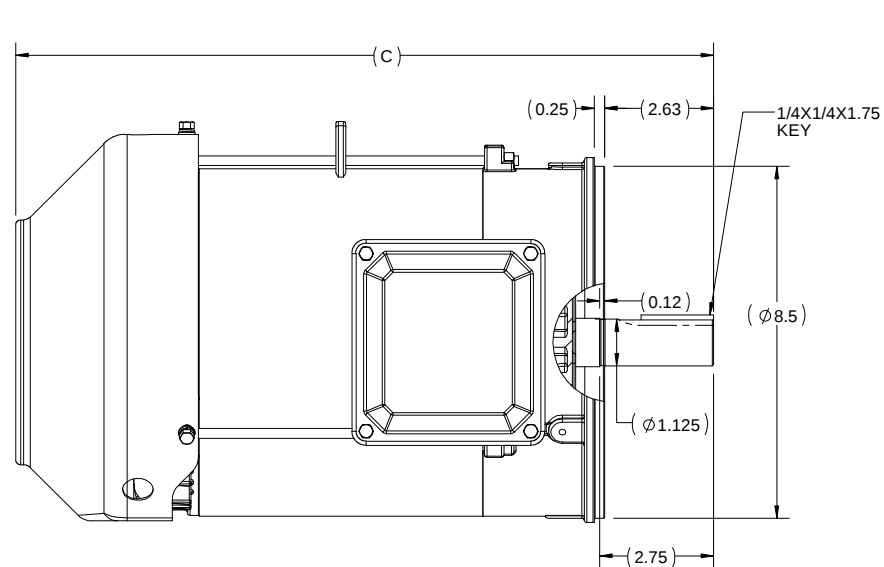
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DETAIL A

182TC	15.85
184TC	16.85
FRAME	C

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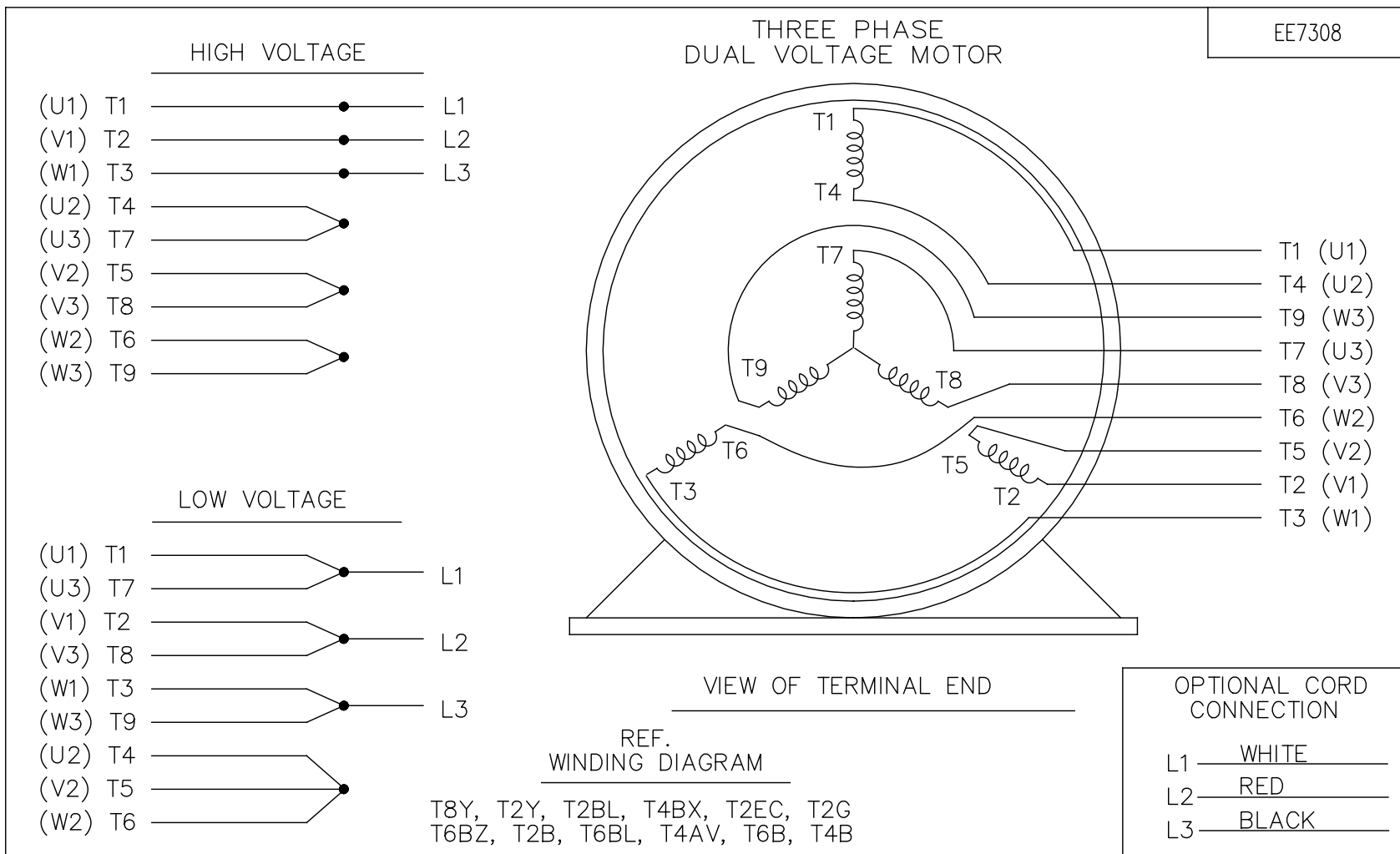
DRAWING REVISION B	REVISION BY VS	DATE 19/06/2018
ECO ECO-0147085	APPROVED BY SBD	DATE 19/06/2018
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DATE 08/03/2018	DESCRIPTION OUTLINE 182/184TC FR TEFC RS, FOOTLESS	
APPROVED BY SBD		
DATE 08/03/2018	MATERIAL PROCESS/FINISH	
REFERENCE		
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS600201
		SHEET 1 OF 1

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NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	SIZE	DRAWING NO.	PAGE	OF	REV.
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES						
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1						
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02						
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005						
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005						
					±7'30"						
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**P.O. BOX 8003
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PH. 715-675-3311**

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

MODEL #: 182TTFBD6029 AA

CONN. DIAGRAM: EE7308

CUSTOMER PART

#:

OUTLINE: SS600201

MOUNTING: F1/F2 CAPABLE

WINDING #: HE31124021 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	1800	1762&1468	182TC	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	8/4&6.8/3.4	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.0	40

FULL LOAD EFF:		89.5&85.5	3/4 LOAD EFF:	88.5	1/2 LOAD EFF:	86.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:		78&75	3/4 LOAD PF:	70	1/2 LOAD PF:	57	88.5	SQ CAGE INV RATED

F.L. TORQUE		LOCKED ROTOR AMPS	L.R. TORQUE		B.D. TORQUE		F.L. RISE°C
9	LB-FT	64 / 32	20	LB-FT	220 %	29	LB-FT 320 %

SOUND PRESSURE @ 3 FT.		SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
50	DBA	60	DBA	- LB-FT^2	- LB-FT^2	15 SEC.	2 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	DIVISION 2 T2B	FALSE	NONE	BLUE (ENAMEL)

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

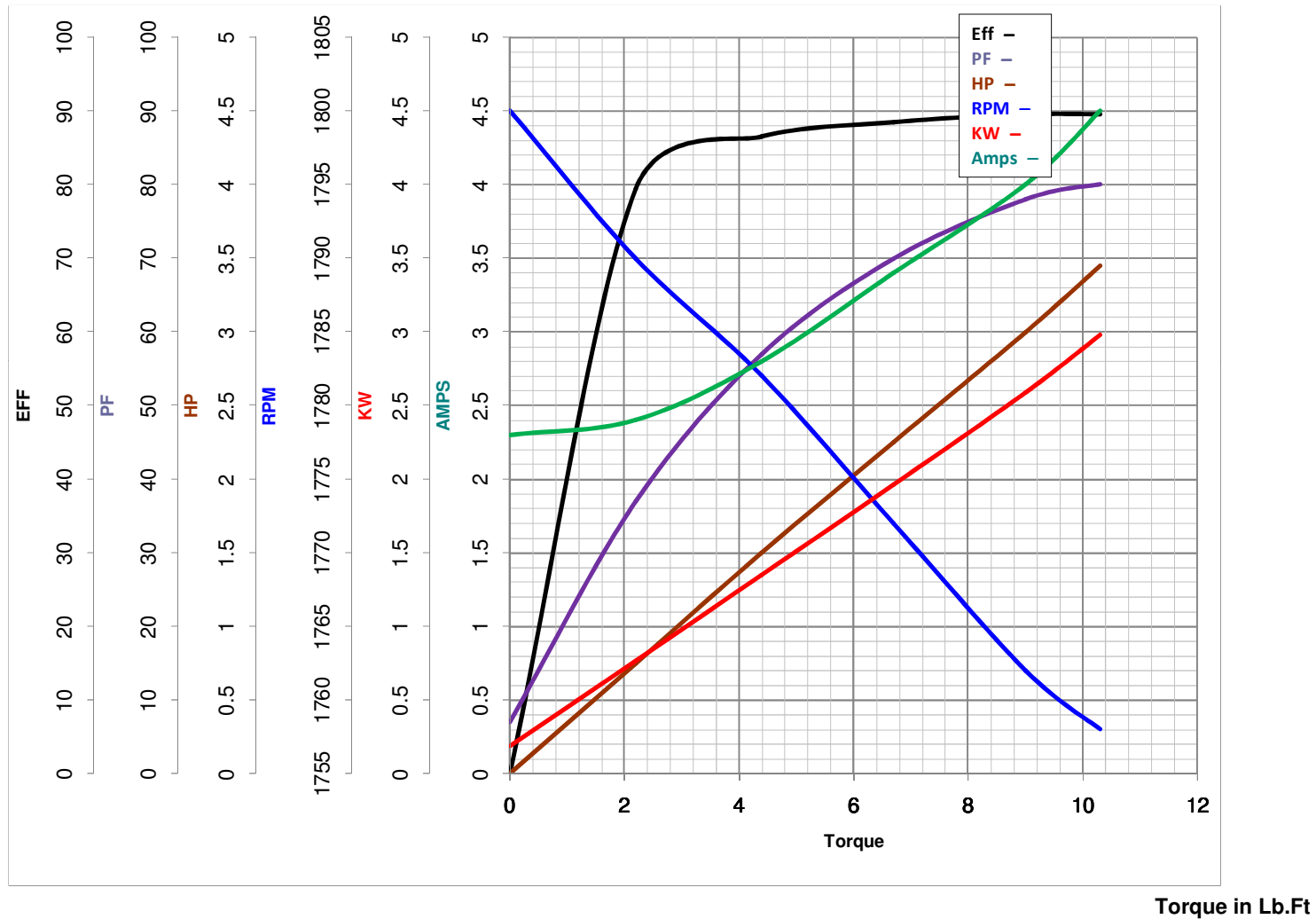
THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS		PROTECTORS	WDG RTDs	BRG RTDs				
NONE		NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

* INVERTER		TORQUE: CONSTANT 10:1/VARIABLE 10:1	
N INV. HP SPEED RANGE:		NONE	
O ENCODER:		NONE	
T NONE		NONE	
E NONE		PPR	
S BRAKE:		NONE	
NONE		P/N NONE	
NONE		NONE	
NONE		FT-LB NONE V NONE Hz	

PREPARED BY: Fareeda Dudekula
DATE: 05/28/2018 05:10:40 AM
FORM 3531 REV.3 02/07/99
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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**460**Volts****HP** 3&2**PHASE** 3**Model No** 182TTFBD602960**HZ****VOLTS** 230/460&190/3803**HP****Catalog No** GT1310A**HZ** 60&50**RPM** 1762&1468

Torque in Lb.Ft

FL TORQUE 9 Lb.Ft**BD TORQUE** 29.0 Lb.Ft**LR TORQUE** 20 Lb.Ft**FL AMPS** 4**PU TORQUE** 17.0 Lb.Ft**LR AMPS** 32**WINDING** HE31124021-3**Prepared By**

FAREEDA

Date

5/28/2018