

# PRODUCT INFORMATION PACKET

Model No: 182TTFCD6076  
Catalog No: GT1005A  
1 1/2, 1200, TEFC, 182T, 3/60/230/460  
Totally Enclosed Fan Cooled (TEFC)



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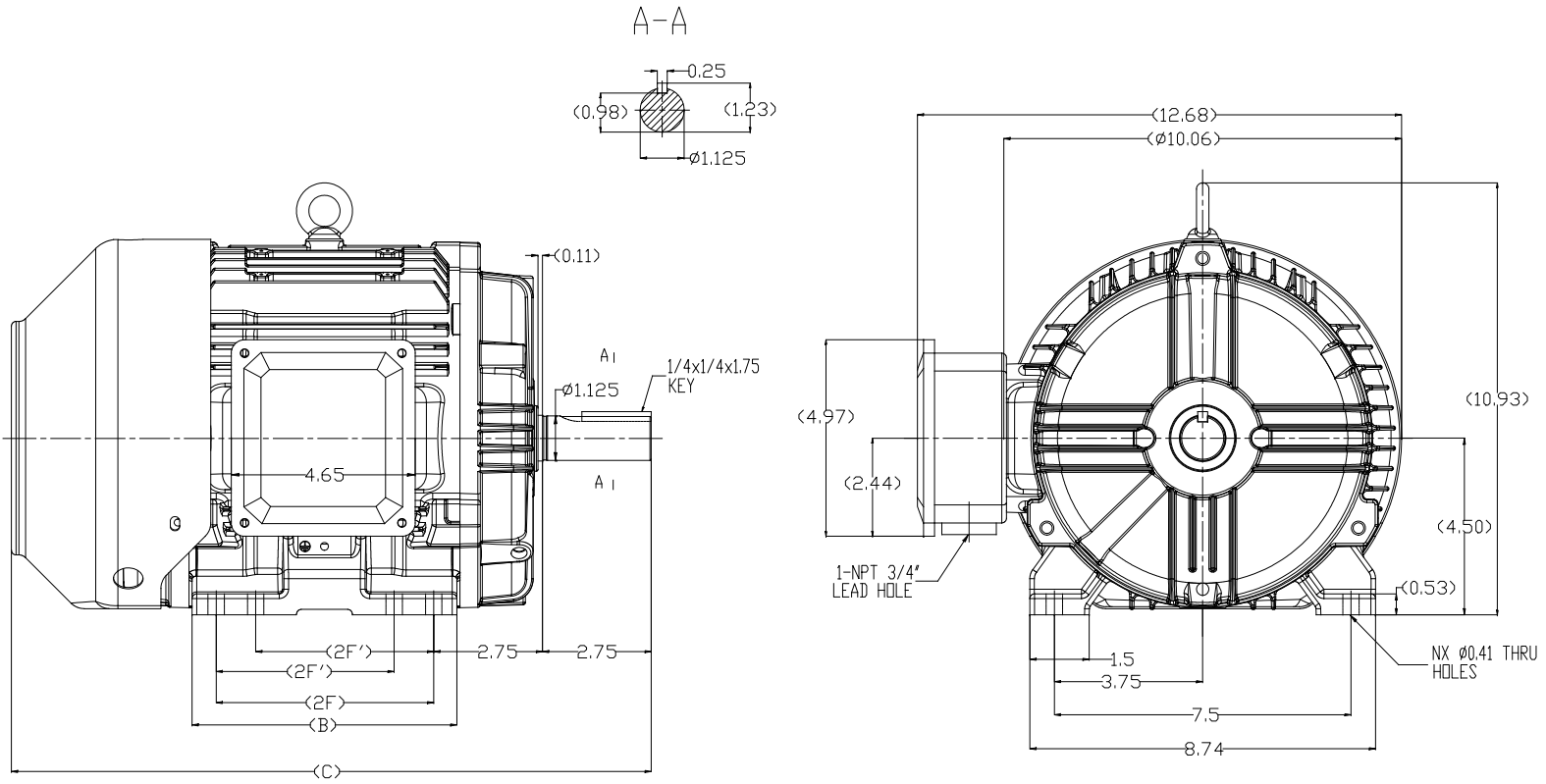
### Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.6/2.3 A	Speed	1175 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	182T
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	55		


### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Frame Length	5.82 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620855	Connection Diagram	EE7308

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182T	15.08	5.67	4.50	/	4
184T	16.08	6.69	5.50	4.50	8
FRAME	C	B	2F	2F'	N

		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN	WZ 8-11-2017		
		DEC.	INCHES			CHK	WY 8-11-2017		
		.X	±.1	TITLE		APPD	ZYH 8-11-2017		
		.XX	±.03	182/184T FR TEFC-CAST IRDN		SCALE	1=1		
		.XXX	±.005	REF		REF			
A	RELEASED FOR PRODUCTION	ECC-0141896	BW 3/22/2018	CD	XXXX ±.0005	MAT'L.	FMF WUXI		
NO.	REVISION		BY & DATE	CHK	ANG ±1/2"	FINISH	PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE	SS620855	SIZE	DRAWING NO.	REV.
				DIST			B	SS620855	A

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					





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

**CERTIFICATION DATA SHEET**

**CUSTOMER:**

**CUSTOMER PO #:**

**MODEL #:** 182TTFCD6076 AA

**ORDER #:**

**CUSTOMER PART**

**#:**

**CONN. DIAGRAM:** EE7308

**MOUNTING:** F1/F2 CAPABLE

**OUTLINE:** SS620855

**WINDING #:** HE31126008 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
1 1/2&1	1.12&0.75	1200	1175&980	182T	TEFC	K	B	
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	4.6/2.3&4.5/2.25	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

<b>FULL LOAD EFF:</b>	87.5&78.5	<b>3/4 LOAD EFF:</b>	86.5	<b>1/2 LOAD EFF:</b>	84	<b>GTD. EFF</b>	86.5	<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	70864	<b>3/4 LOAD PF:</b>	61	<b>1/2 LOAD PF:</b>	48	<b>SQ CAGE INV RATED</b>		

<b>F.L. TORQUE</b>	<b>LOCKED ROTOR AMPS</b>	<b>L.R. TORQUE</b>	<b>B.D. TORQUE</b>	<b>F.L. RISE°C</b>
6.7 LB-FT	37 / 18.5	18.5 LB-FT	275 %	25 LB-FT
				370 %

<b>SOUND PRESSURE @ 3 FT.</b>	<b>SOUND POWER</b>	<b>ROTOR WK^2</b>	<b>MAX. WK^2</b>	<b>SAFE STALL TIME</b>	<b>STARTS / HOUR</b>	<b>APPROX. MOTOR WGT</b>
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
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	DIVISION 2 T2B	FALSE	NONE	BLUE (ENAMEL)
BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL 6206 6205	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON		

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

**\* INVERTER TORQUE:** VARIABLE 20:1  
**INV. HP SPEED RANGE:** NONE

**N ENCODER:** NONE  
NONE NONE  
NONE NONE PPR

**T BRAKE:** NONE NONE  
NONE P/N NONE  
NONE NONE  
**S FT-LB** NONE V NONE HZ

**\***

**PREPARED BY:** Anusha Muthyala

**DATE:** 05/04/2018 02:18:42 AM

**FORM 3531 REV.3 02/07/99**

**\*\* Subject to change without notice.**

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

HP 1.5&1

PHASE 3

Model No 182TTFCD6076

60

HZ

VOLTS 230/460&190/380

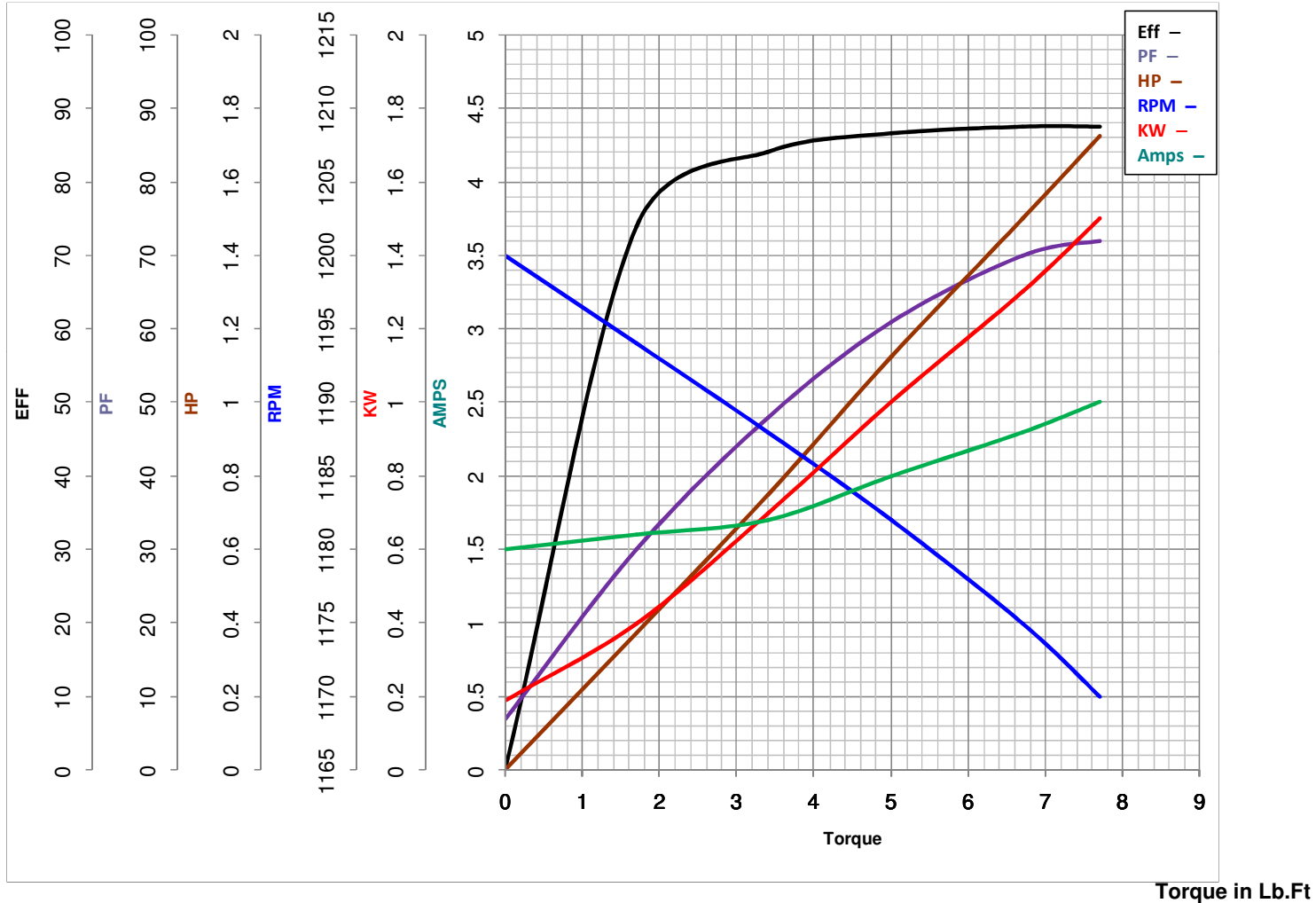
1.5

HP

Catalog No GT1005A

HZ 60&50

RPM 1175&980



FL TORQUE	<u>6.7</u>	Lb.Ft	FL AMPS	<u>4.6/2.3</u>
BD TORQUE	<u>25.0</u>	Lb.Ft	PU TORQUE	<u>15.0</u>
LR TORQUE	<u>18.5</u>	Lb.Ft	LR AMPS	<u>18.5</u>
WINDING	HE31126008-3	Prepared By	ANUSHA M	Date
				5/4/2018