

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFCD6030
Catalog No: GT1110A
3,1800,TEFC,182T,3/60/575
Totally Enclosed Fan Cooled (TEFC)



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL



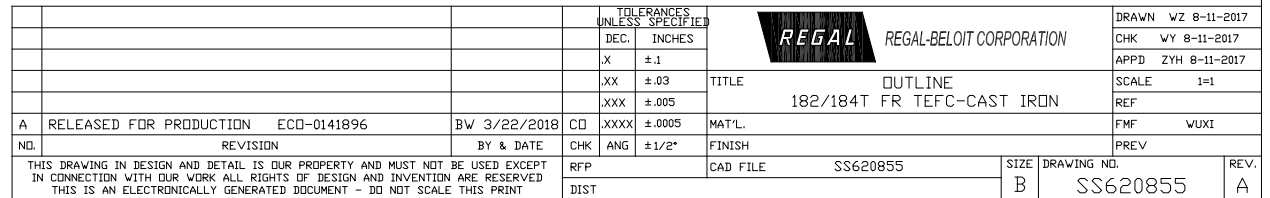
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	575 V
Current	3.2 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	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	4	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	SS620855-182	Connection Diagram	EE7300

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 07/02/2018

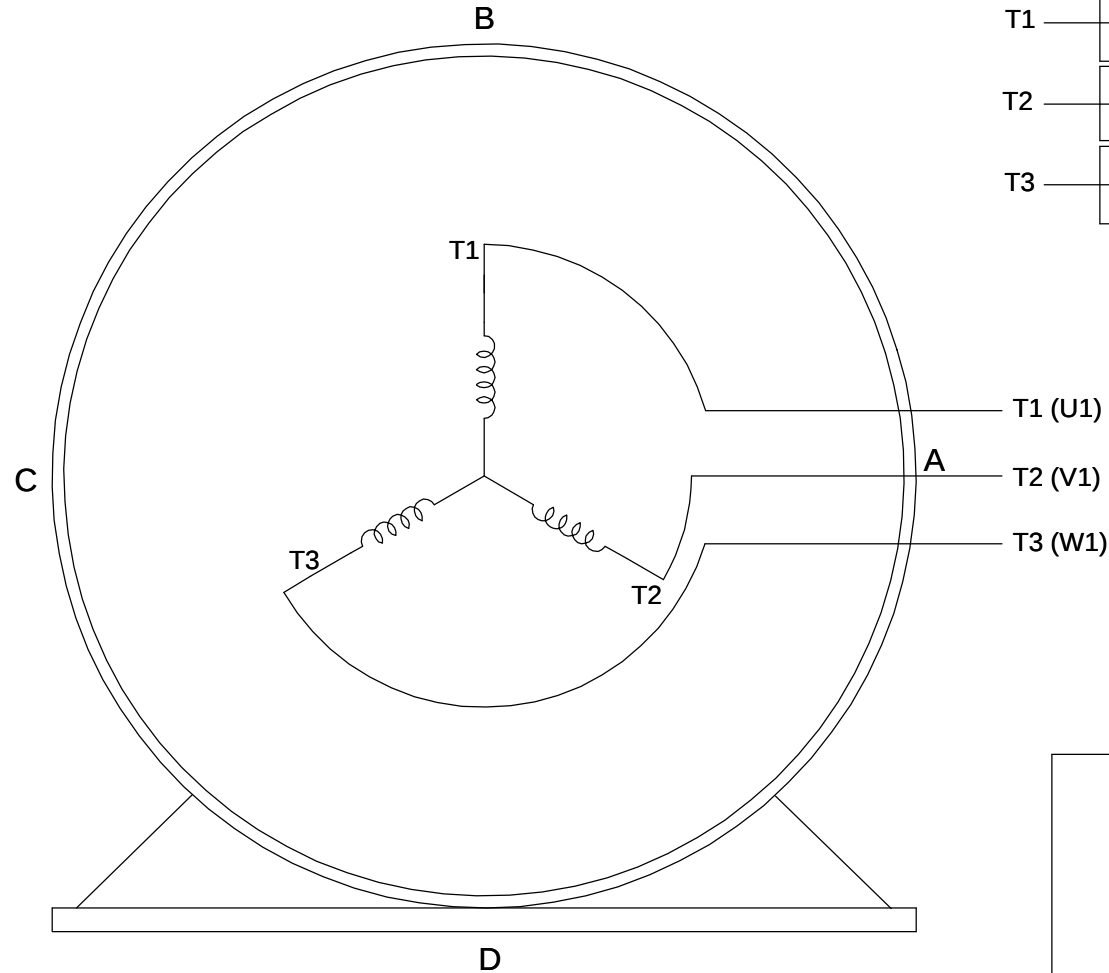
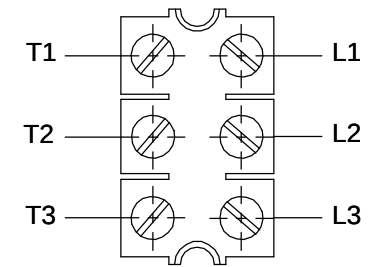


182T	15.08	5.67	4.50	／	4
184T	16.08	6.69	5.50	4.50	8
FRAME	C	B	2F	2F'	N

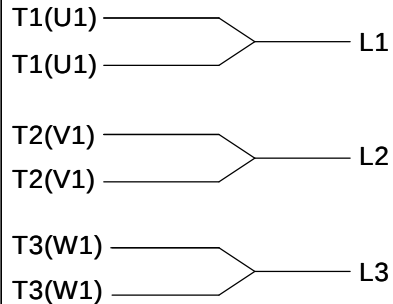
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED

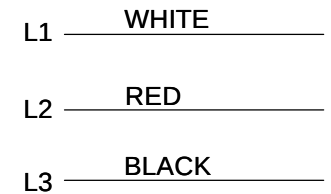


IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("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.		

DRAWN BY DA	
DATE 03-26-1993	
APPROVED BY TB	
DATE 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
-----------	--------------------------	-----------------



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

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

MODEL #: 182TTFCD6030 AA

CONN. DIAGRAM: EE7300

CUSTOMER PART

OUTLINE: SS620855-182

#:

WINDING #: HE31124021 2

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1762	182T	TEFC	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	3.2	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	89.5	3/4 LOAD EFF:	88.5	1/2 LOAD EFF:	86.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	78	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	25.6	20 LB-FT 220 %	29 LB-FT 320 %	60

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	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	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	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6206 6205						

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

*	INVERTER	TORQUE: CONSTANT 20:1/VARIABLE 20:1
N	INV. HP SPEED RANGE:	NONE
O	ENCODER:	NONE
		NONE
T		PPR
E	BRAKE:	NONE
		P/N NONE
S		NONE
		FT-LB NONE V NONE HZ
*		

PREPARED BY: Fareeda Dudekula
DATE: 05/09/2018 08:37:35 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

575

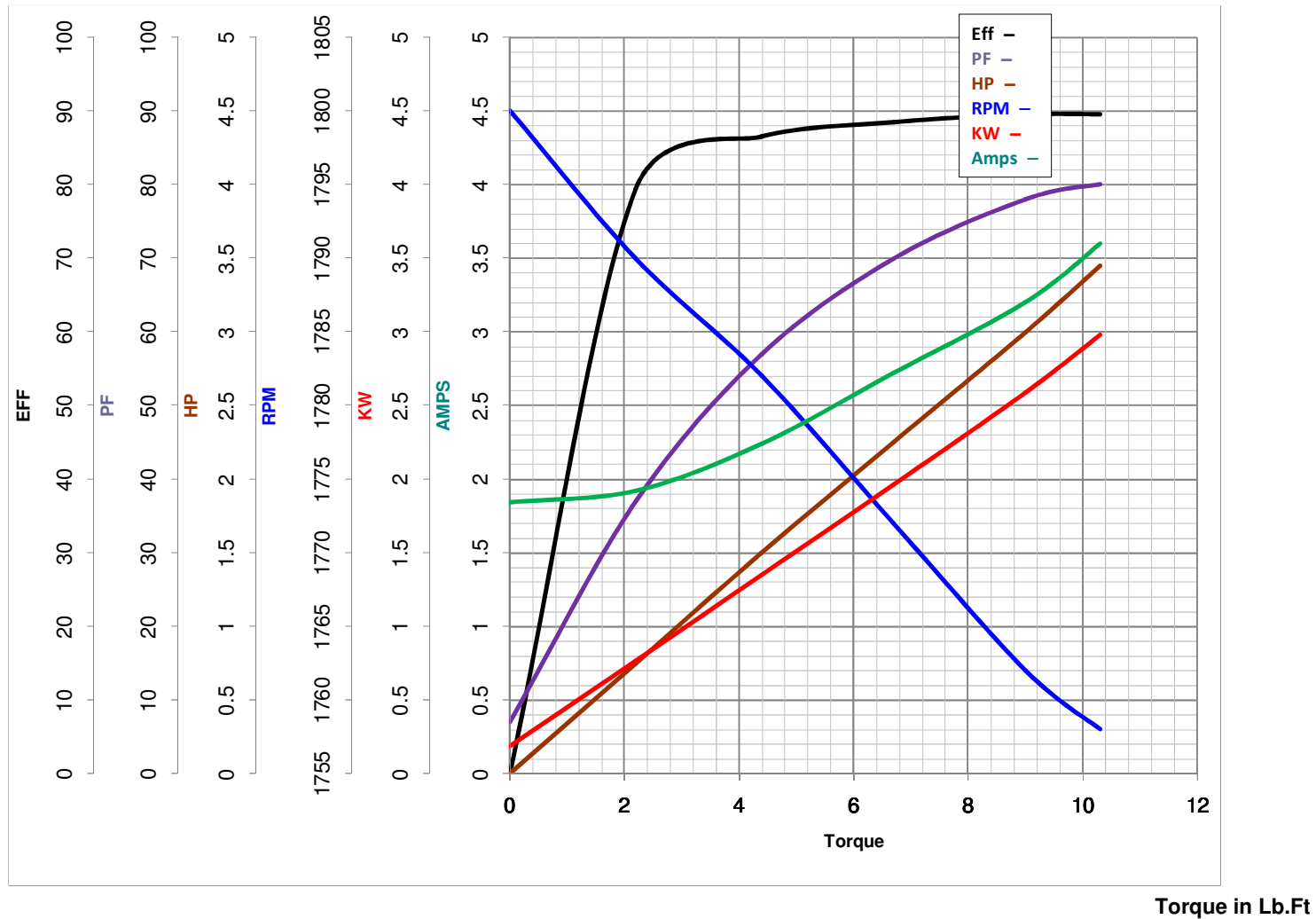
Volts

HP 3.00PHASE 3Model No 182TTFCD603060

HZ

VOLTS 5753

HP

Catalog No GT1110AHZ 60RPM 1762

FL TORQUE 9 Lb.Ft
 BD TORQUE 29.0 Lb.Ft
 LR TORQUE 20 Lb.Ft

FL AMPS 3.2
 PU TORQUE 17.0 Lb.Ft
 LR AMPS 25.6

WINDING

HE31124021-2

Prepared By

FAREEDA

Date

5/9/2018