

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 447TTFCD6080
Catalog No: GT1153A
150,1200,TEFC,447T,3/60/575
Totally Enclosed Fan Cooled (TEFC)



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REGAL



Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	575 V
Current	136.0 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	447T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6319
Opp Drive End Bearing Size	6317	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	32.12 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS557013	Connection Diagram	EE7300

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Uncontrolled Copy

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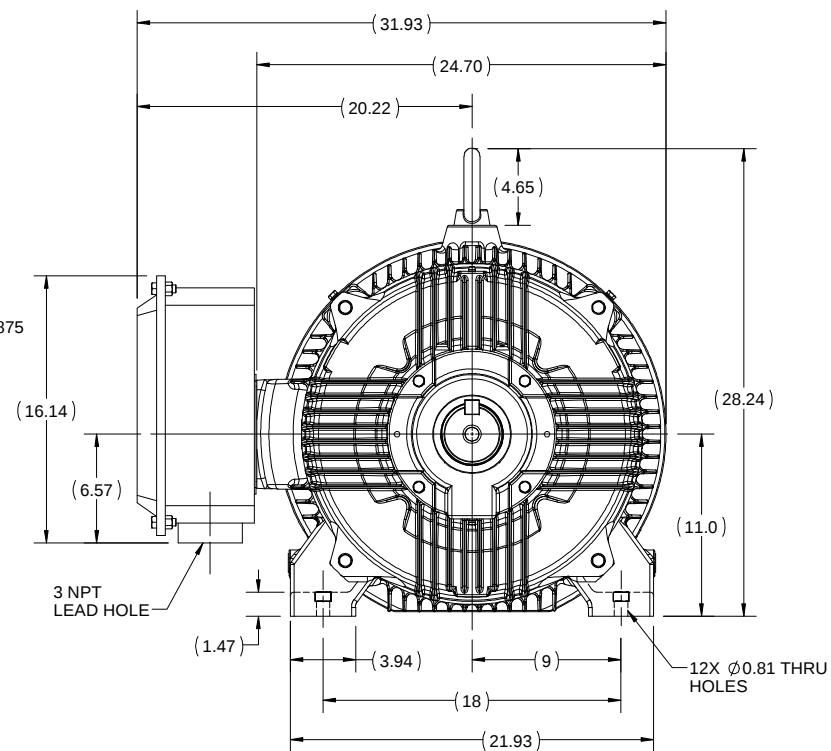
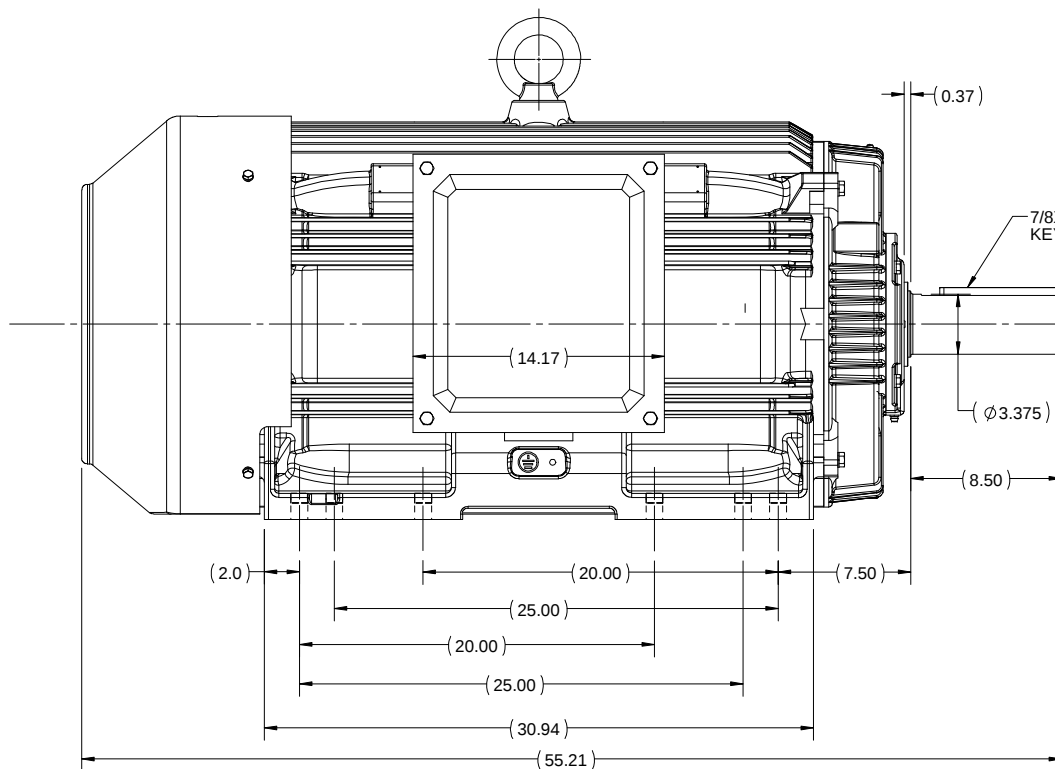
OUTLINE

B

B

A

A



DRAWING REVISION C	REVISION BY GNK	DATE 09/05/2018
ECO ECO-0143704	APPROVED BY SBD	DATE 09/05/2018
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DRAWN BY NIV	 Regal Beloit America, Inc.	
DATE 23/05/2016		
APPROVED BY SBD	DESCRIPTION OUTLINE 447/449T FR-TEFC	
DATE 23/05/2016		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS557013
		SHEET 1 OF 1

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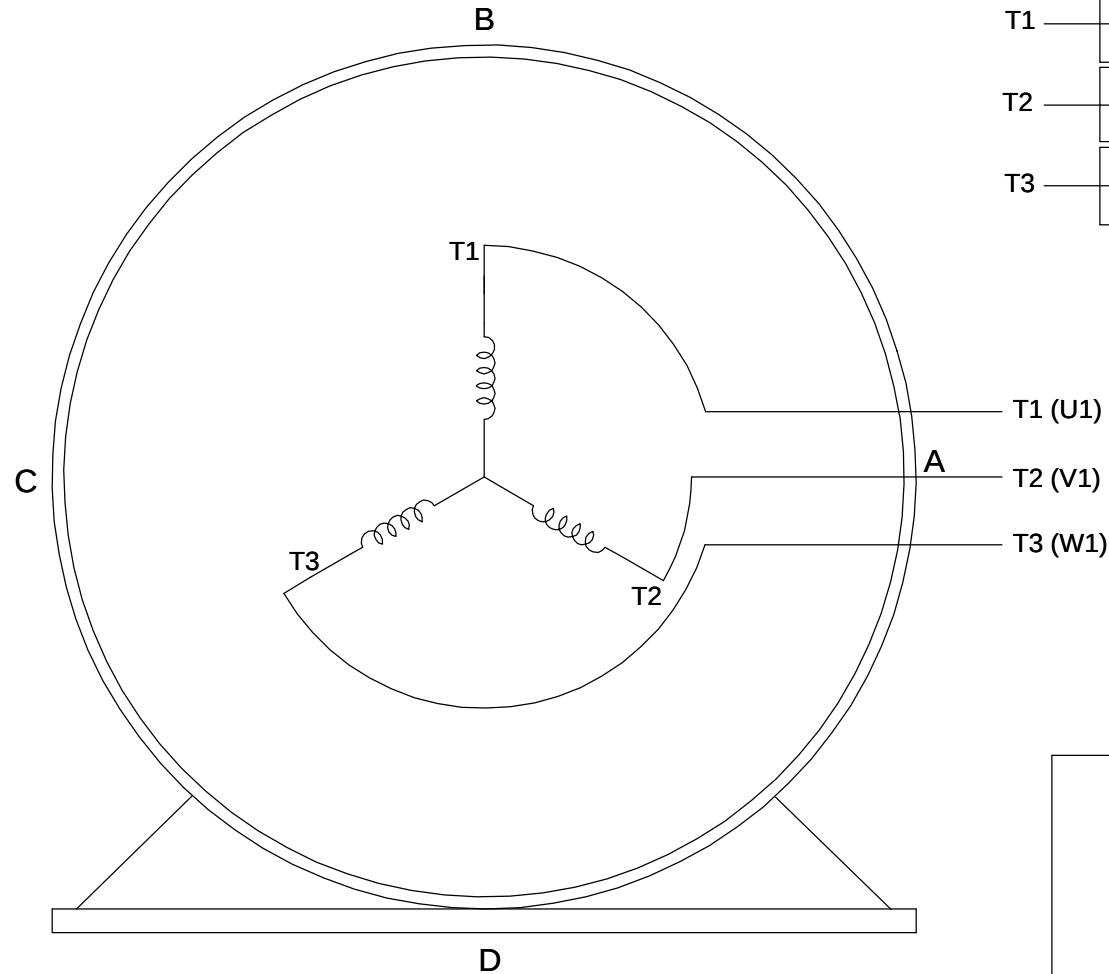
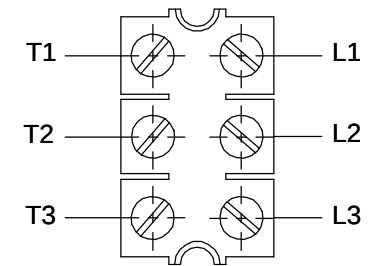
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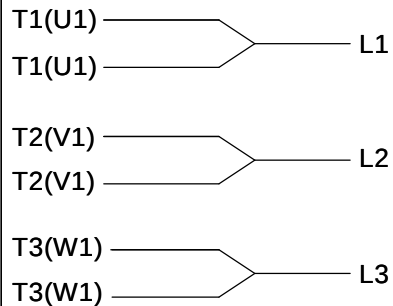
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

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		
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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 #: 447TTFC6080 AA

CONN. DIAGRAM: EE7300

CUSTOMER PART

OUTLINE: SSS57013

#:

WINDING #: HE32806007 2

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
150	112	1200	1190	447T	TEFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	136	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	95.8	3/4 LOAD EFF:	95.8	1/2 LOAD EFF:	95.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	86	3/4 LOAD PF:	83.8	1/2 LOAD PF:	77	95.4	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
662 LB-FT	868	1192 LB-FT 180 %	1757 LB-FT 265 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 DBA	85 DBA	138 LB-FT^2	- LB-FT^2	25 SEC.	-	2900 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 - MARATHON

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
6319	6317						

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

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

PREPARED BY: Fareeda Dudekula
DATE: 05/11/2018 07:23:59 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 5/3/2018

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

447TTFCD6080



Submital

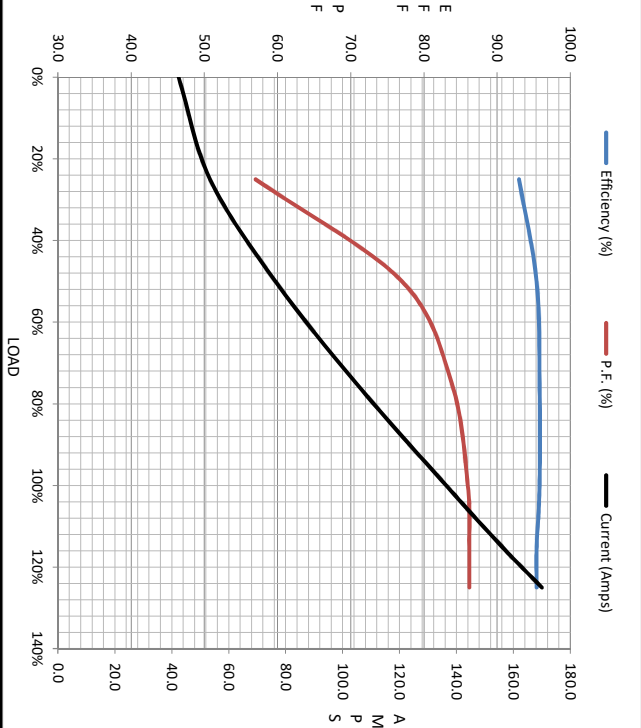
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	42.4	53.4	76.4	105	136	156	170	868
Torque (ft-lb)	0.00	165	330	495	662	760	830	1,192
RPM	1200	1198	1195	1192	1190	1,188	1188	0
Efficiency (%)		93.0	95.4	95.8	95.8	95.4	95.4	
P.F. (%)	5.0	57.0	77.0	83.8	86.0	86.2	86.2	30.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	600	1158	1190	1200	HP	150.0
Current (Amps)	868	696	490	136	42.4	Syn. RPM	1200
Torque (ft-lb)	1,192	1,020	1,757	662	0.00		



Speed - Torque Curve

