

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 447TSTFCD6038
Catalog No: GT1066
200,1800,TEFC,447TS,3/60/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL



Nameplate Specifications

Output HP	200 Hp	Output KW	149.0 kW
Frequency	60 Hz	Voltage	460 V
Current	219.0 A	Speed	1790 rpm
Service Factor	1.15	Phase	3
Efficiency	96.2 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	447TS
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	Part Wdg Start 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	TS
Frame Length	32.12 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS557012	Connection Diagram	EE7341C

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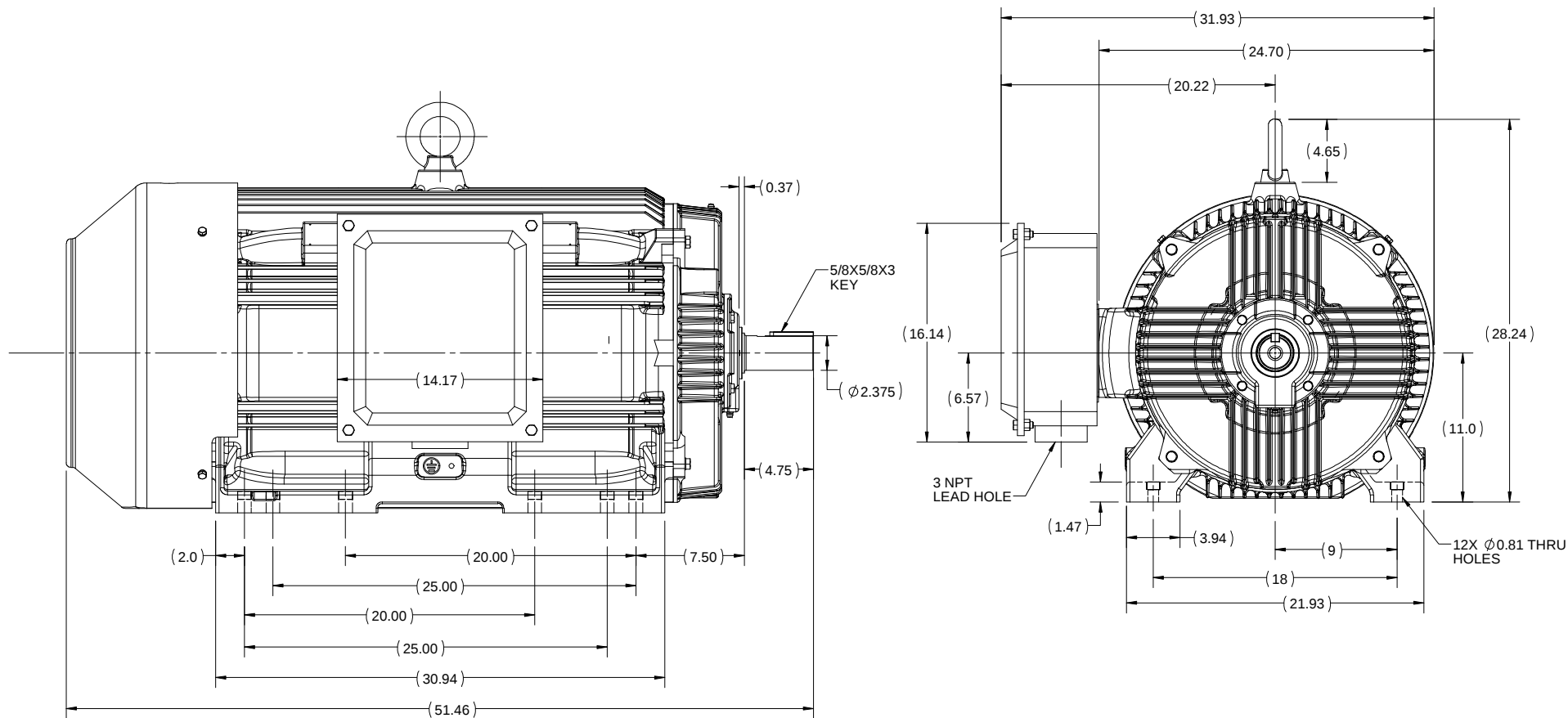
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1

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
ECO DESCRIPTION DRAWING UPDATED		
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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 SS557012
		SHEET 1 OF 1

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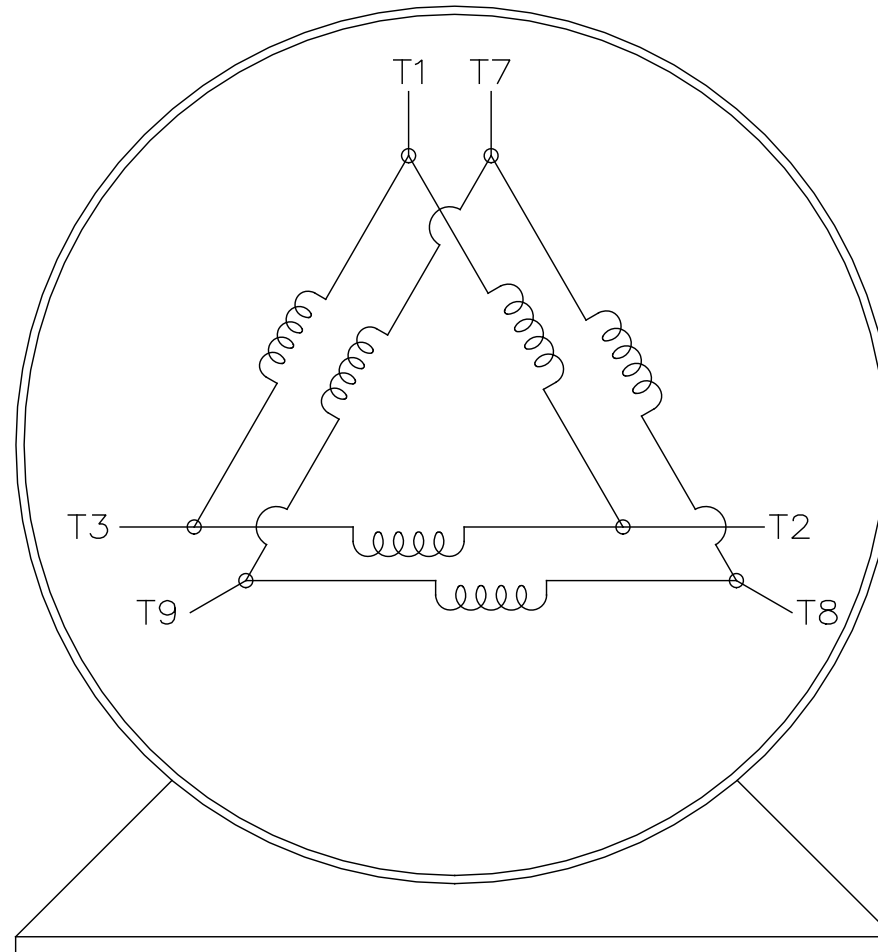
THREE PHASE – PART WINDING START DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7–T8–T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		TITLE	DRAWN BLR 03-09-1998
					DEC.	INCHES		
					.X	± –	REGAL REGAL-BELOIT CORPORATION CONNECTION DIAGRAM 3Ø – 6 LEADS	CHK ML 03-23-1998
					.XX	± –		APPD GK 03-23-1998
					.XXX	± –		SCALE 1=1
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	± –	MAT'L.	REF	FMF
							FINISH	PREV
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**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:

CUSTOMER PO#:

MODEL #: 447TSTFCD6038 AA

CONN. DIAGRAM: EE7341C

CUSTOMER PART

#:

OUTLINE: SSS57012

MOUNTING: F1/F2 CAPABLE

WINDING #: HE32804009 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2008.150	149&112	1800	1790&1490	44/TS	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	219&200	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:		96.2&96	3/4 LOAD EFF:	96.2	1/2 LOAD EFF:	95.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:		89&88.5	3/4 LOAD PF:	86.5	1/2 LOAD PF:	79.5	95.8	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
587 LB-FT	1450	1256 LB-FT 215 %	1656 LB-FT 285 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
66 DBA	76 DBA	88 LB-FT^2	- LB-FT^2	25 SEC.	-	2675 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	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6319	6317						

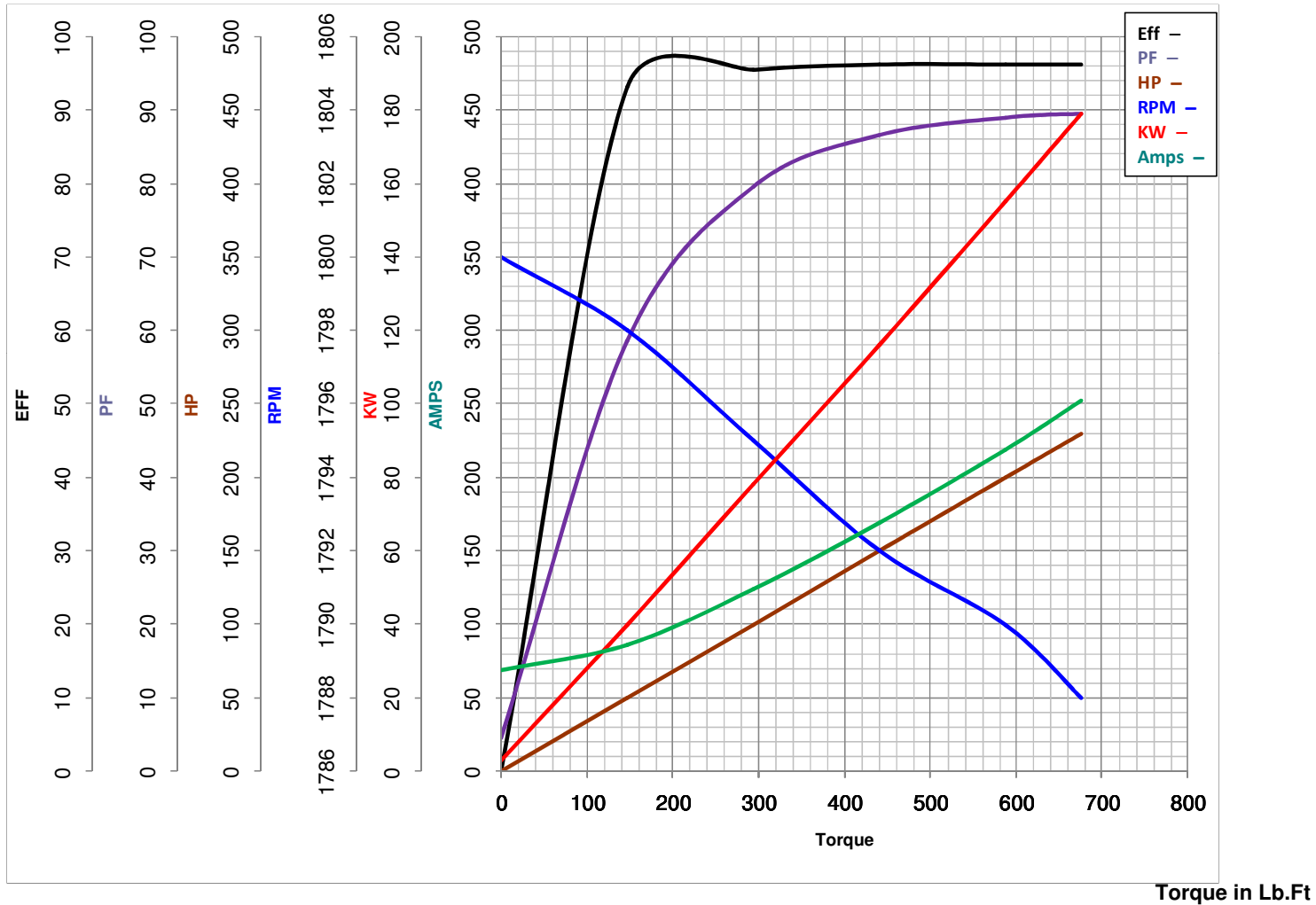
THERMO-PROTECTORS				THERMISTORS		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs		CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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

PREPARED BY: Anusha Muthyala
DATE: 05/04/2018 02:32:57 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** 200&150**PHASE** 3**Model No** 447TSTFCD603860**HZ**200**HP****VOLTS** 460&380**Catalog No** GT1066**HZ** 60&50**RPM** 1790&1490**FL TORQUE** 587 **Lb.Ft****BD TORQUE** #### **Lb.Ft****LR TORQUE** 1256 **Lb.Ft****FL AMPS** 219**PU TORQUE** 1050.0 **Lb.Ft****LR AMPS** 1450**WINDING** HE32804009-1**Prepared By**ANUSHA M**Date**5/4/2018