

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 444TSTFCD6036
Catalog No: GT1064
125,1800,TEFC,444TS,3/60/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL



Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	140.0 A	Speed	1790 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	444TS
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	23.62 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS557008	Connection Diagram	EE7341C

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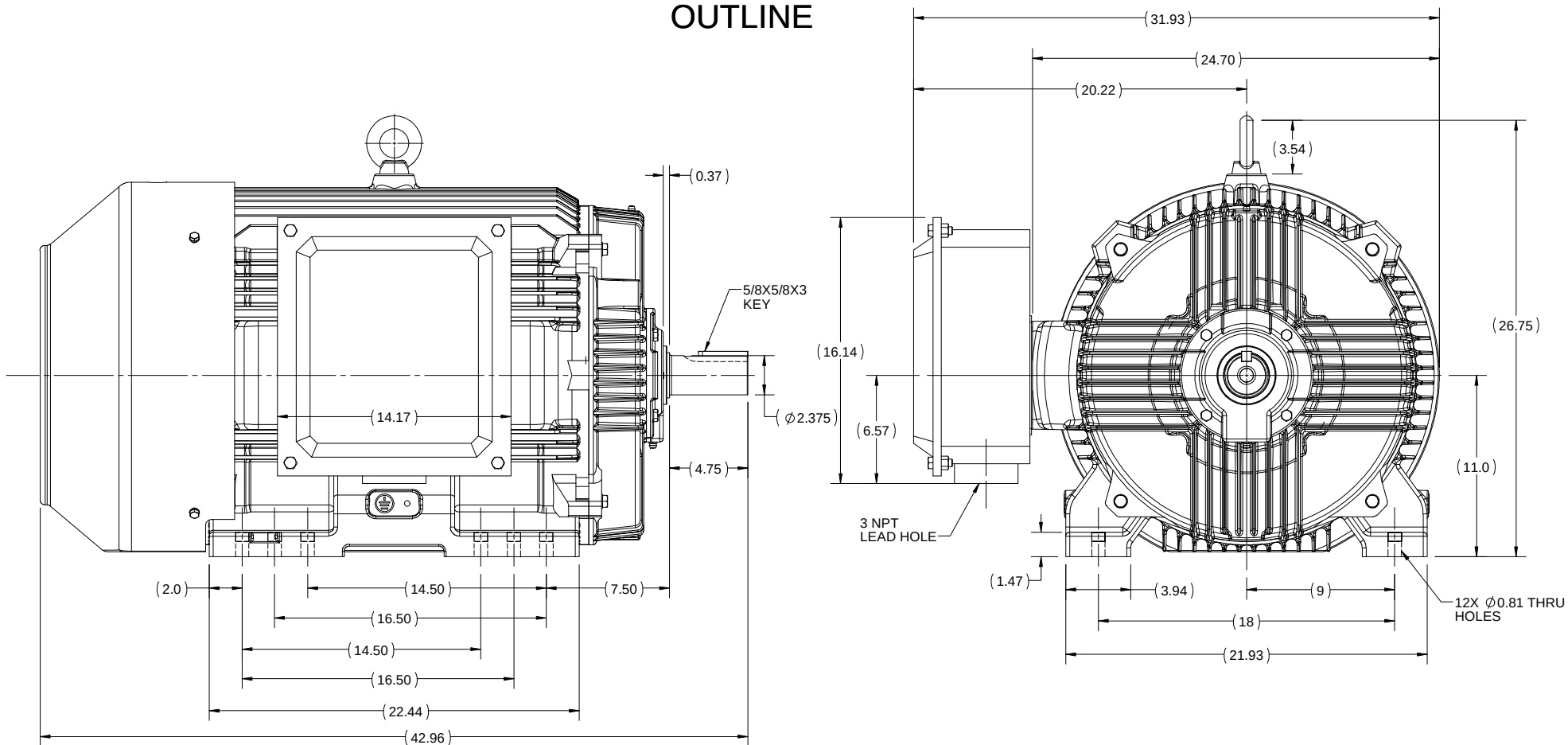
OUTLINE

B

B

A

A



DRAWING REVISION C	REVISION BY GNK	DATE 04/05/2018
ECO ECO-0143704	APPROVED BY SBD	DATE 04/05/2018
ECO DESCRIPTION DRAWING UPDATED		
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DRAWN BY NIV	 Regal Beloit America, Inc.	
DATE 29/03/2015		
APPROVED BY SBD	DESCRIPTION OUTLINE 444/445TS FR-TEFC	
DATE 29/03/2015		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS557008
		SHEET 1 OF 1

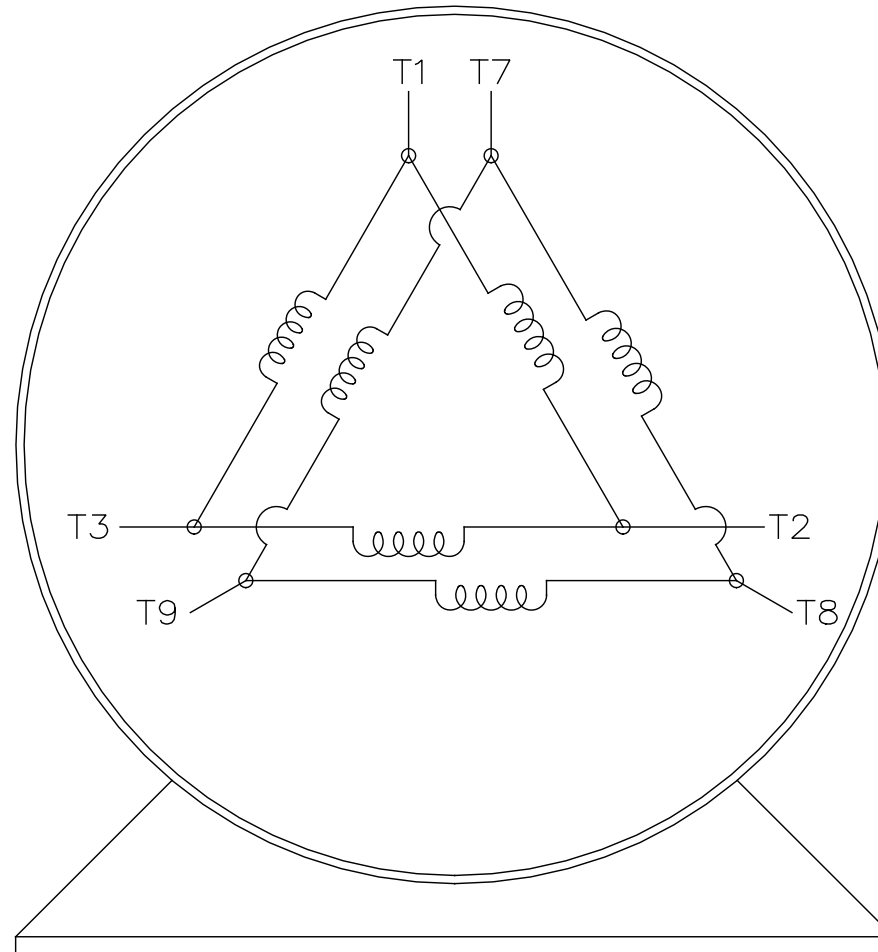
THREE PHASE – PART WINDING START DELTA – 6 LEADS

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

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN BLR 03-09-1998			
				DEC.	INCHES		CHK ML 03-23-1998			
				.X	± -		APPD GK 03-23-1998			
				.XX	± -		SCALE 1=1			
				.XXX	± -	TITLE CONNECTION DIAGRAM 3ø - 6 LEADS	REF			
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	± -	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH	PREV			
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			DIST				A	EE7341C		D



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

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO #:

ORDER #:

MODEL #: 444TSTFCD6036 **AA**

CONN. DIAGRAM: EE7341C

CUSTOMER PART #:

OUTLINE: SSS57008

MOUNTING: F1/F2 CAPABLE

WINDING #: HE32804010 **1**

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
125&100	93.0&75.0	1800	1790&1490	444TS	TEFC	G	B	
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	140&136	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	95.4&95.2	3/4 LOAD EFF:	95.4	1/2 LOAD EFF:	95	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	87.5&87.5	3/4 LOAD PF:	84.2	1/2 LOAD PF:	77	95		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
367 LB-FT	905	6/79 LB-FT 185 %	991 LB-FT 270 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
66 DBA	76 DBA	60 LB-FT^2	750 LB-FT^2	25 SEC.	2	2375 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP 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						

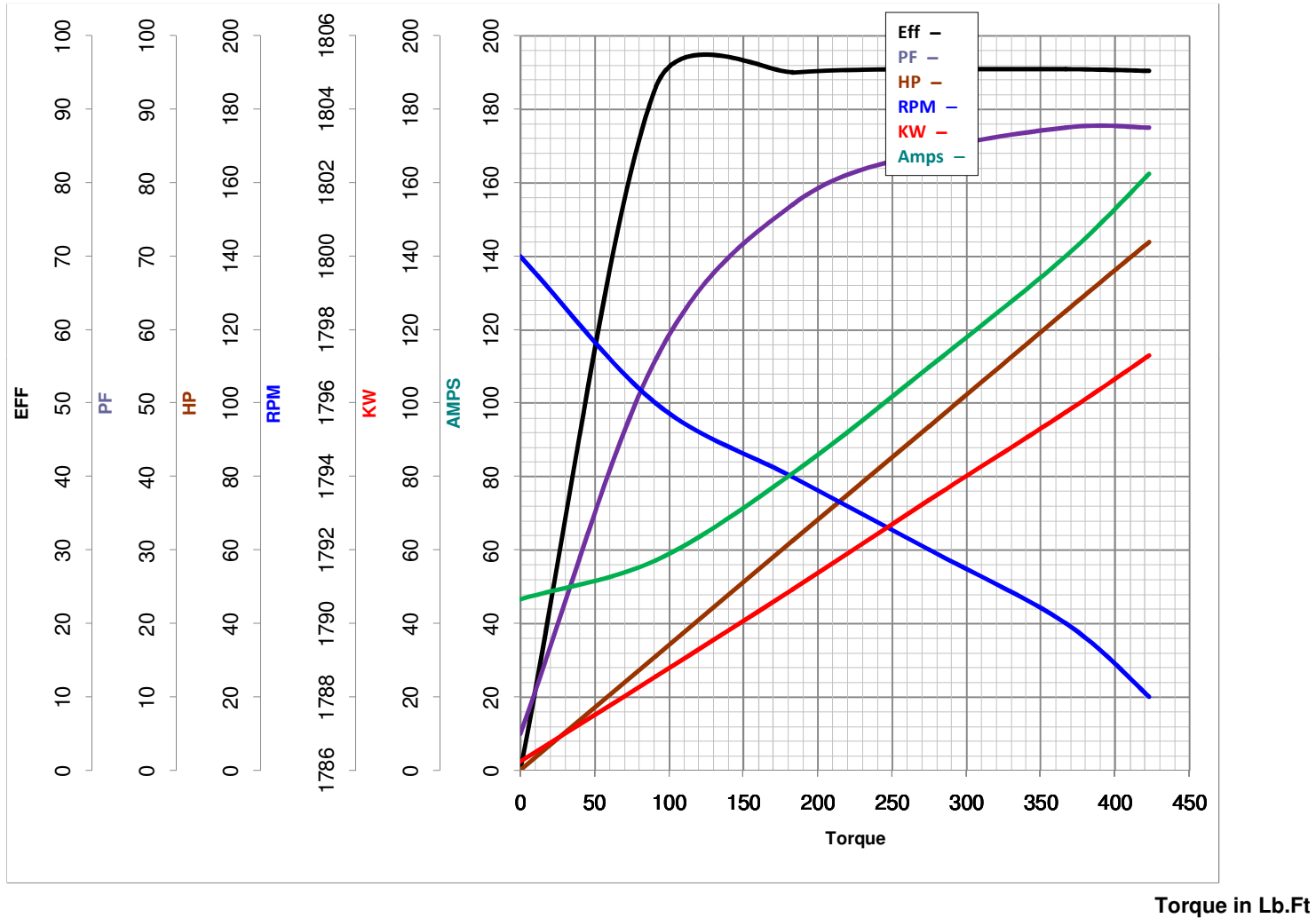
THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs					
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS	

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

PREPARED BY: Fareeda Dudekula
DATE: 05/04/2018 06:15:09 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** 125&100**PHASE** 3**Model No** 444TSTFCD603660**HZ**125**HP****VOLTS** 460&380**Catalog No** GT1064**HZ** 60&50**RPM** 1790&1490**FL TORQUE** 367 Lb.Ft**BD TORQUE** 991.0 Lb.Ft**LR TORQUE** 679 Lb.Ft**FL AMPS** 140**PU TORQUE** 570.0 Lb.Ft**LR AMPS** 905**WINDING** HE32804010-1**Prepared By**

FAREEDA

Date 5/4/2018