

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364TSTFCD6036
Catalog No: GT1061
Totally Enclosed Fan Cooled (TEFC)



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REGAL



Nameplate Specifications

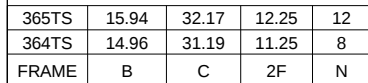
Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	138.0/69.0 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	364TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6212	UL	Listed
CSA	Y	CE	Y
IP Code	55		

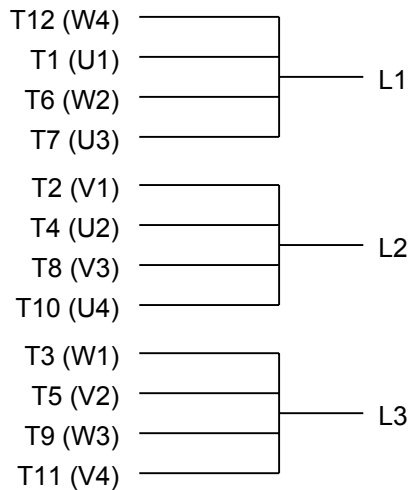
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run 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	15.74 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS556998TS-364	Connection Diagram	EE7308AA

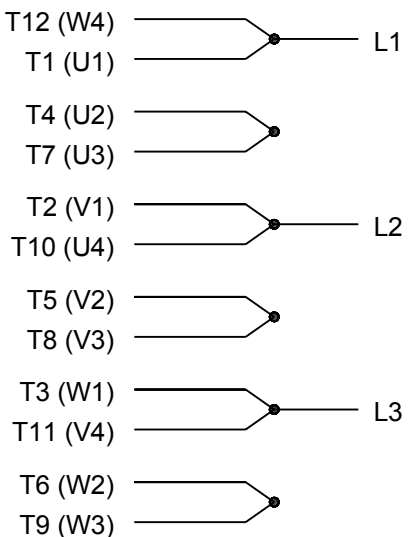
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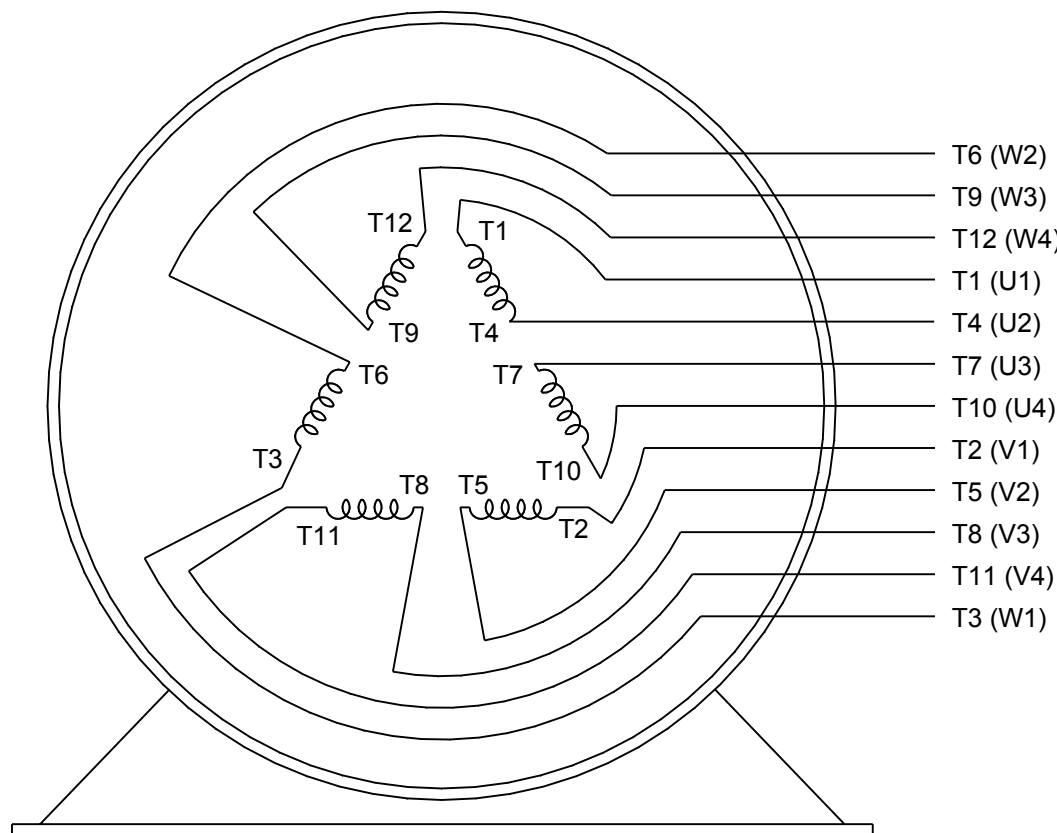




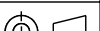
LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015		DRAWN BY LZ	 Regal Beloit America, Inc.	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS				
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015		DATE 01-12-1994						
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8				APPROVED BY GK						
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				REFERENCE	MATERIAL	PROCESS/FINISH				
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1		



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

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

MODEL #: 364TSTFCD6036 **AA**

CONN. DIAGRAM: EE7308AA

CUSTOMER PART

#:

OUTLINE: SSS56998TS-364

MOUNTING: F1/F2 CAPABLE

WINDING #: HE32254010 **2**

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45.0&37.0	1800	1782&1480	364TS	TEFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	138/69&140/70	Y START D RUN OR INV	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	95&94.5	3/4 LOAD EFF:	95.4	1/2 LOAD EFF:	95	GTD. EFF	94.5	ELEC. TYPE
FULL LOAD PF:	85.5&85.5	3/4 LOAD PF:	83	1/2 LOAD PF:	75.5	94.5	SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
177 LB-FT	870 / 435	354 LB-FT 200 %	451 LB-FT 255 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
70 DBA	80 DBA	17.2 LB-FT^2	- LB-FT^2	25 SEC.	2	910 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
6313 6212						

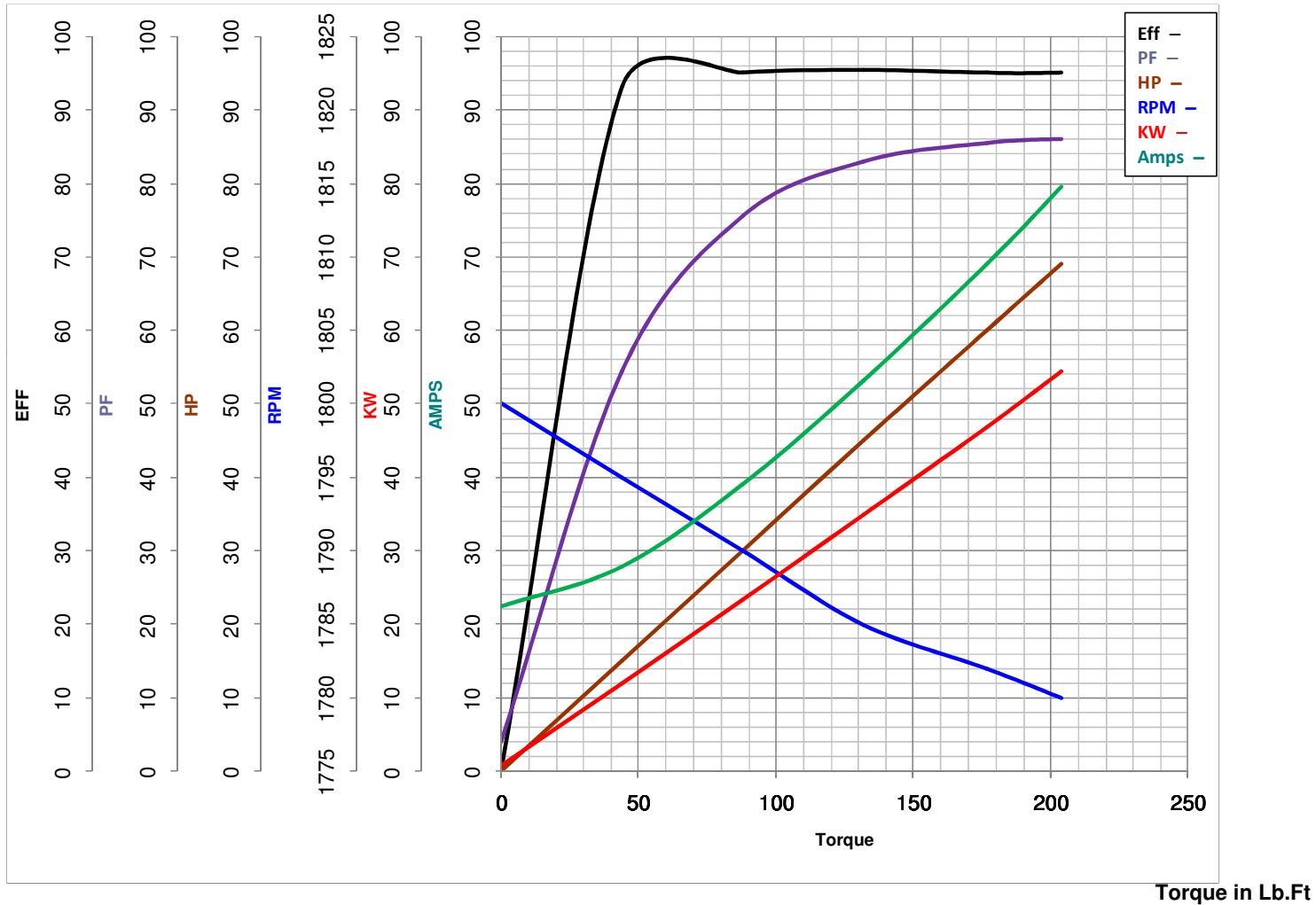
THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs					
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	NONE	VOLTS

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

PREPARED BY: Anusha Muthiyala
DATE: 05/04/2018 12:36:01 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** 60&50**PHASE** 3**Model No** 364TSTFCD603660**HZ**60**HP****VOLTS** 230/460&190/380**Catalog No** GT1061**HZ** 60&50**RPM** 1782&1480**FL TORQUE** 177 **Lb.Ft****BD TORQUE** 451.0 **Lb.Ft****LR TORQUE** 354 **Lb.Ft****FL AMPS** 138/69**PU TORQUE** 297.0 **Lb.Ft****LR AMPS** 435**WINDING** HE32254010-2**Prepared By**

ANUSHA M

Date

5/4/2018