

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 254TTFCD6076
Catalog No: GT1017A
7.5,1200,TEFC,254T,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL



Nameplate Specifications

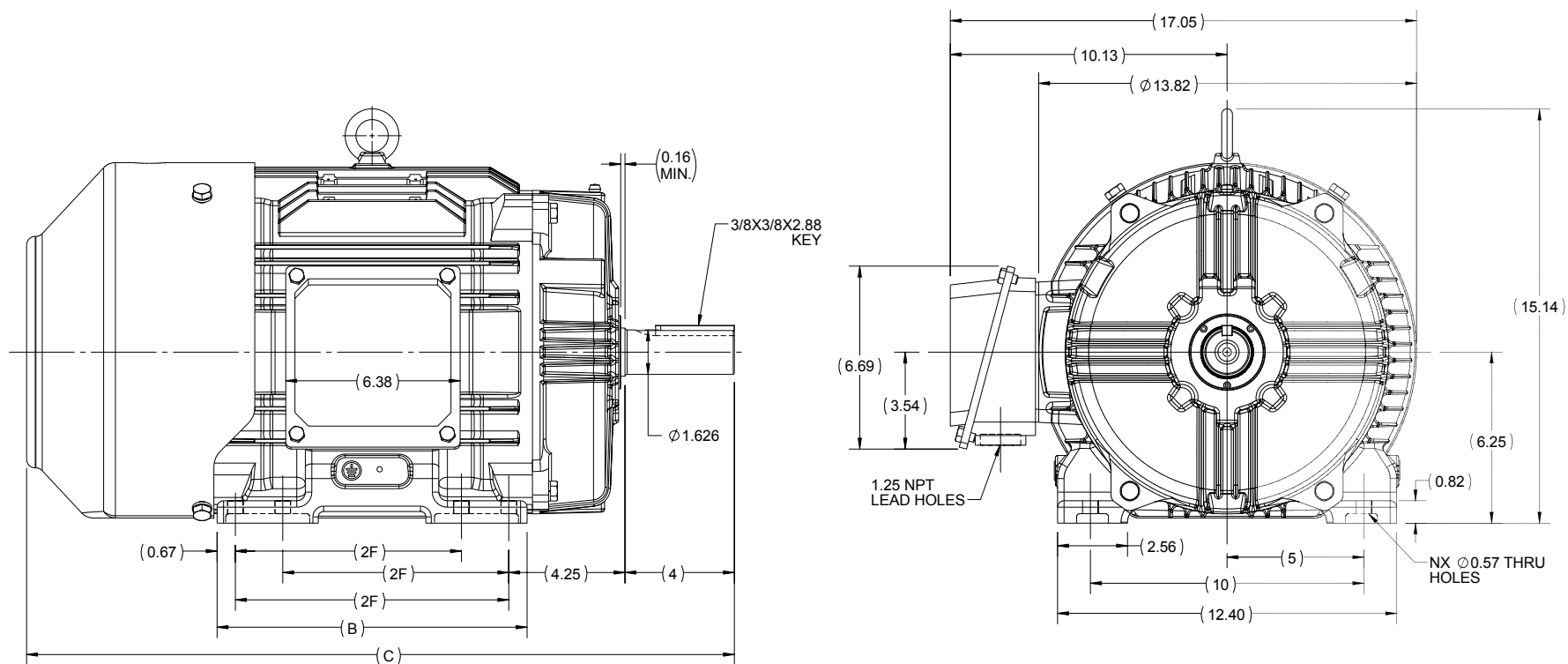
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	19.8/9.9 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	254T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6209	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	10.00 in	Shaft Diameter	1.626 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620703	Connection Diagram	EE7308K

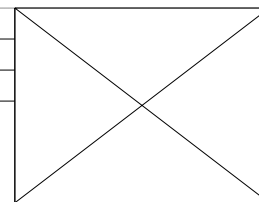
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OUTLINE



256T	11.34	25.89	10	8
254T	9.60	24.15	8.25	4
FRAME	B	C	2F	N

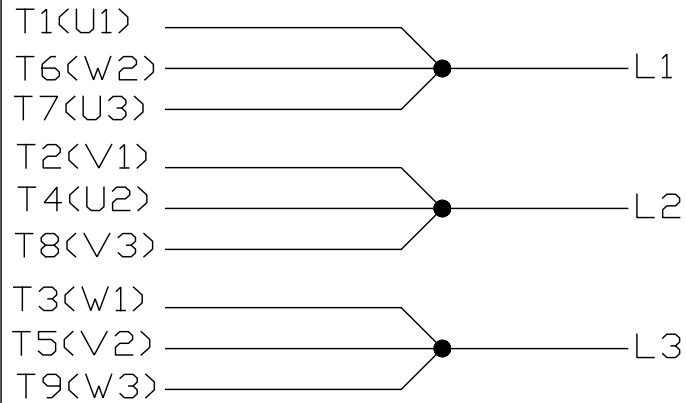
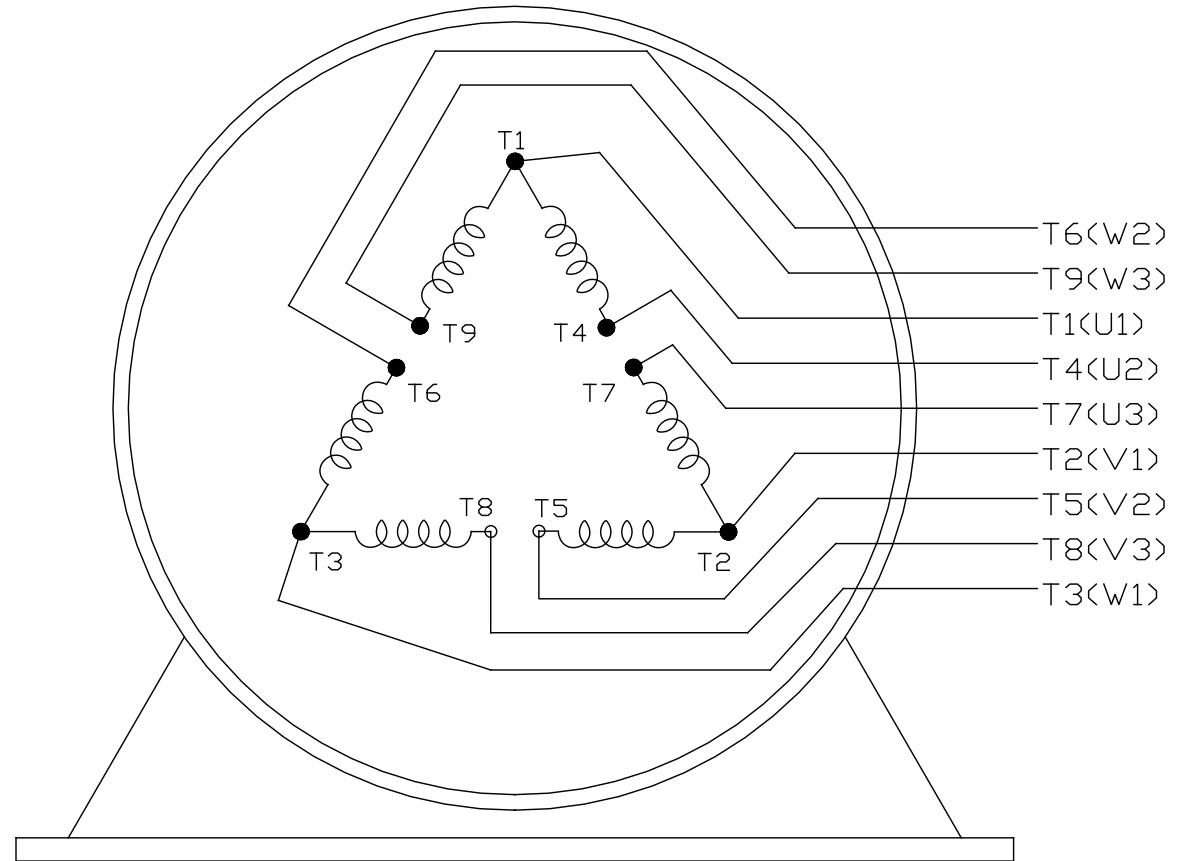
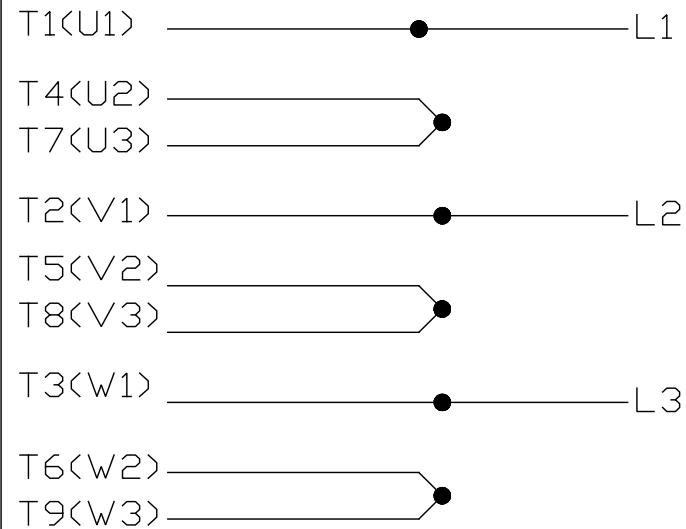
DRAWING REVISION A	REVISION BY UDAY	DATE 08/09/2015
ECO SBD	APPROVED BY SBD	DATE 08/09/2015
ECO DESCRIPTION NEW DRAWING RELEASE		
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DRAWN BY MR
DATE 4/5/2015
APPROVED BY KRK
DATE 4/5/2015
REFERENCE
THIRD ANGLE PROJECTION

		REGAL-BELOIT CORPORATION	
DESCRIPTION		OUTLINE	
MATERIAL		254/256T FR-TEFC-CAST IRON	
SIZE		DRAWING NUMBER	
B		SS620703	
PROCESS/FINISH		SHEET	
		1 OF 1	

EE7308K

LOW VOLTAGEHIGH VOLTAGE

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES		CHK	ML	06-05-1997
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	±.1		APPD	GK	06-15-1997
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM DELTA CON. - 3Ø - 9 LEADS		SCALE
7	REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	±.005				REF
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"	FINISH		PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP		CAD FILE EE7308K		SIZE A	DRAWING NO. PAGE OF EE7308K	REV. E
			DIST						



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

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308K
OUTLINE: SS620703
WINDING #: HE31606007 2

CUSTOMER PO #:
MODEL #: 254TTFC6076 AA
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN			
7 1/285	5.6083.70	1200	1182&985	254T	TEFC	H	B			
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C		
3	60/50	230/460&190/380	19.8/9.9&17/8.5	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40		
FULL LOAD EFF:		91&90.2	3/4 LOAD EFF:	91	1/2 LOAD EFF:	89.5	GTD. EFF	ELEC. TYPE		
FULL LOAD PF:		78.5&74	3/4 LOAD PF:	72	1/2 LOAD PF:	60	90.2	SQ CAGE INV RATED		
F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C		
33.4 LB-FT		120 / 60		65 LB-FT		195 %		89 LB-FT 266 %	40	
SOUND PRESSURE @ 3 FT.		SOUND POWER		ROTOR WK^2		MAX. WK^2		SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
56 dBA		66 dBA		2.3 LB-FT^2		150 LB-FT^2		20 SEC.	2	325 LBS.

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

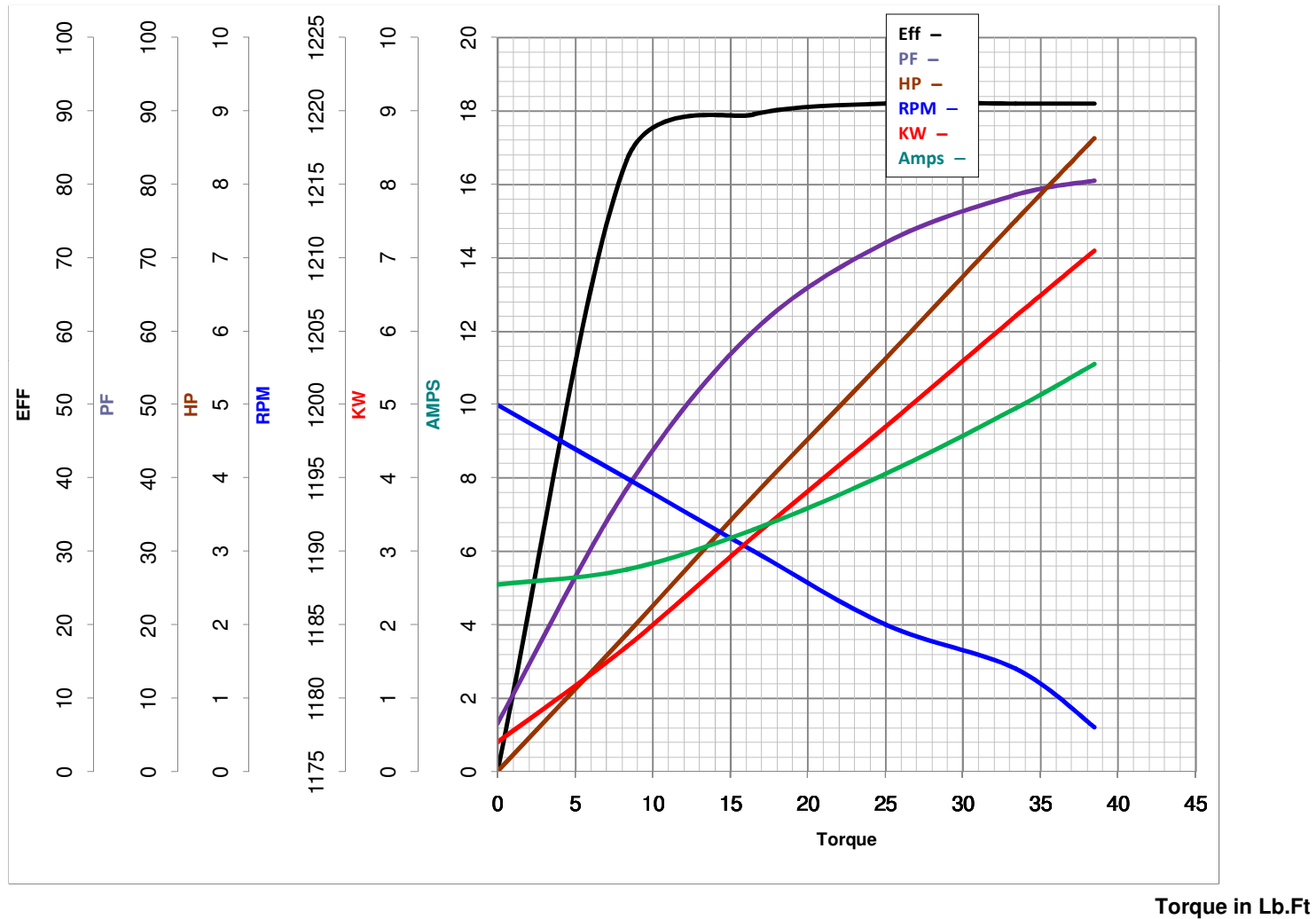
DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	DIVISION 2 T2B	FALSE	NONE	BLUE (ENAMEL)
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL		FRAME MATERIAL
DE	ODE							
BALL	BALL							
6309	6209	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON

THERMO-PROTECTORS							THERMISTORS		CONTROL		SPACE HEATERS		
THERMOSTATS		PROTECTORS		WDG RTDs		BRG RTDs							
NONE		NOT		NONE		NONE		NONE		FALSE		NONE VOLTS	
* INVERTER													
TORQUE: CONSTANT 20:1/VARIABLE 20:1													
INV. HP SPEED RANGE: NONE													
N ENCODER: NONE													
O NONE NONE PPR													
T NONE NONE													
E BRAKE: NONE NONE													
S NONE P/N NONE													
S NONE NONE													
* NONE FT-LB NONE V NONE HZ													

PREPARED BY: Fareeda Dudekula
DATE: 05/04/2018 04:31:36 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** 7.5&5**PHASE** 3**Model No** 254TTFCD607660**HZ****VOLTS** 230/460&190/3807.5**HP****Catalog No** GT1017A**HZ** 60&50**RPM** 1182&985

Torque in Lb.Ft

FL TORQUE 33.4 Lb.Ft**BD TORQUE** 89.0 Lb.Ft**LR TORQUE** 65 Lb.Ft**FL AMPS** 19.8/9.9**PU TORQUE** 55.0 Lb.Ft**LR AMPS** 60**WINDING**

HE31606007-2

Prepared By

FAREEDA

Date

5/4/2018