

# PRODUCT INFORMATION PACKET

Model No: 254TTFCD6012  
Catalog No: GT3421A  
15,3600,TEFC,254JP,3/60/230/460  
JP



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### Nameplate Specifications

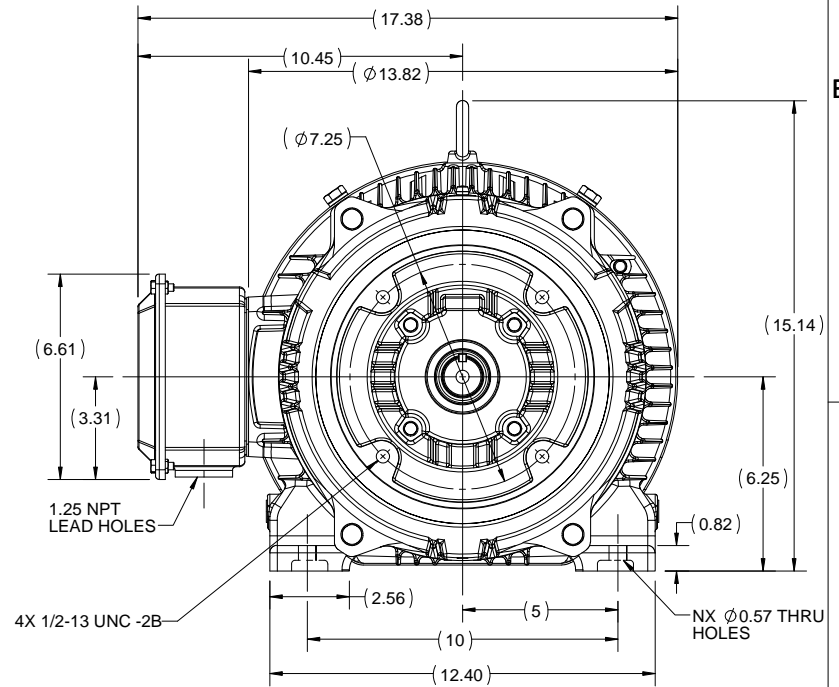
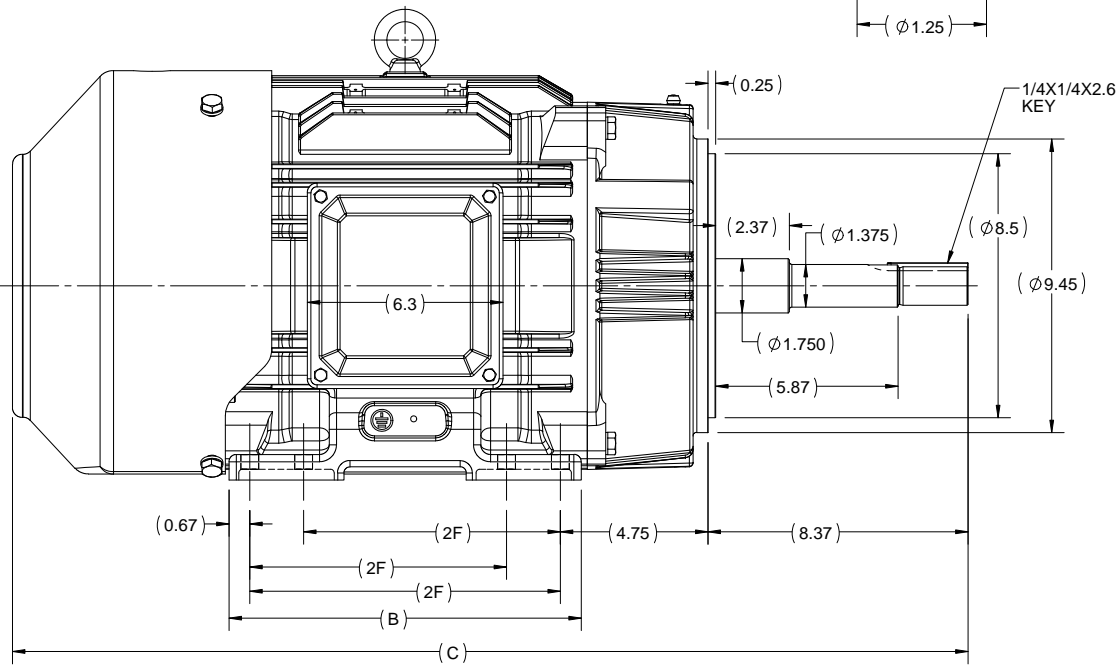
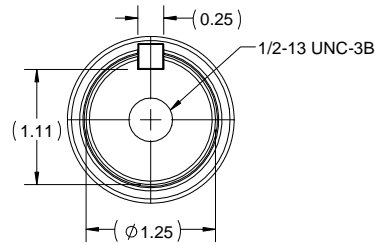
Output HP	<b>15 Hp</b>	Output KW	<b>11.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>35.5/17.8 A</b>	Speed	<b>3545 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>91 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>254JP</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6309</b>
Opp Drive End Bearing Size	<b>6209</b>	UL	<b>Listed</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>55</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>JP</b>
Frame Length	<b>10.00 in</b>	Shaft Diameter	<b>1.25 in</b>
Shaft Extension	<b>8.37 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>SS620809</b>	Connection Diagram	<b>EE7308K</b>


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# OUTLINE



256-JP	11.34	30.76	10	8
254-JP	9.60	29.02	8.25	4
FRAME	B	C	2F	N

DRAWING REVISION A	REVISION BY SN	DATE 21/04/2017
ECO ECO-0122138	APPROVED BY SBD	DATE 21/04/2017
ECO DESCRIPTION NEW DRAWING RELEASE		
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DRAWN BY SN	 <b>REGAL-BELOIT CORPORATION</b>
DATE 12/04/2017	
APPROVED BY SBD	DESCRIPTION <b>OUTLINE</b>
DATE 12/04/2017	TEFC-254/256 JP FR-CAST IRON
REFERENCE	MATERIAL
THIRD ANGLE PROJECTION	PROCESS/FINISH
SIZE B	DRAWING NUMBER <b>SS620809</b>
	SHEET 1 OF 1


LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997			
NO.	REVISION	BY & DATE	CHK	ANG	±		INCHES	CHK	ML 06-05-1997	
E	CORRECTED IEC MARKINGS	ECO-0111208	WGJ	01-23-2017	EMH	DEC.	±.1	APPD	GK 06-15-1997	
D	RE-DRAWN WITH REGAL LOGO	ECO-0110493	WGJ	09-30-2016	EMH	.XX	±.02			
8	ADDED IEC DESIGNATIONS	MU95020	TJW	4/30/2010	MJS	.XXX	±.005	TITLE CONNECTION DIAGRAM		
7	REVISED HIGH VOLTAGE L2 WAS L3	CN52600-354	MRB	09-21-1998		.XXXX	±.0005	SCALE DELTA CON. - 3Ø - 9 LEADS		
6	REDRAWN ON CADD		PGK	06-05-1997				REF MAT'L.		
								FMF		
								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	DRAWING NO. PAGE OF	REV.
				DIST				A	EE7308K	E



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

**CERTIFICATION DATA SHEET**

**CUSTOMER:** CUSTOMER PO #:  
**ORDER #:** MODEL #: 254TTFCDD6012 AA  
**CONN. DIAGRAM:** EE7308K CUSTOMER PART #:  
**OUTLINE:** SS620809 MOUNTING: F1/F2 CAPABLE  
**WINDING #:** HE31602008 2

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
158.10	11.2&7.50	3600	3545&2955	254JP	TEFC	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	35.5/17.8&29.6/14.8	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

<b>FULL LOAD EFF:</b>	91&890.2	<b>3/4 LOAD EFF:</b>	91	<b>1/2 LOAD EFF:</b>	90.6	<b>GTD. EFF</b>	90.2	<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	87&85	<b>3/4 LOAD PF:</b>	83.5	<b>1/2 LOAD PF:</b>	75	<b>SQ CAGE INV RATED</b>		

<b>F.L. TORQUE</b>	<b>LOCKED ROTOR AMPS</b>	<b>L.R. TORQUE</b>	<b>B.D. TORQUE</b>	<b>F.L. RISE°C</b>
22.2 LB-FT	228 / 114	37 LB-FT	167 %	60 LB-FT
				270 %

<b>SOUND PRESSURE @ 3 FT.</b>	<b>SOUND POWER</b>	<b>ROTOR WK^2</b>	<b>MAX. WK^2</b>	<b>SAFE STALL TIME</b>	<b>STARTS / HOUR</b>	<b>APPROX. MOTOR WGT</b>
72 DBA	82 DBA	1.2 LB-FT^2	22 LB-FT^2	20 SEC.	2	375 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

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

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

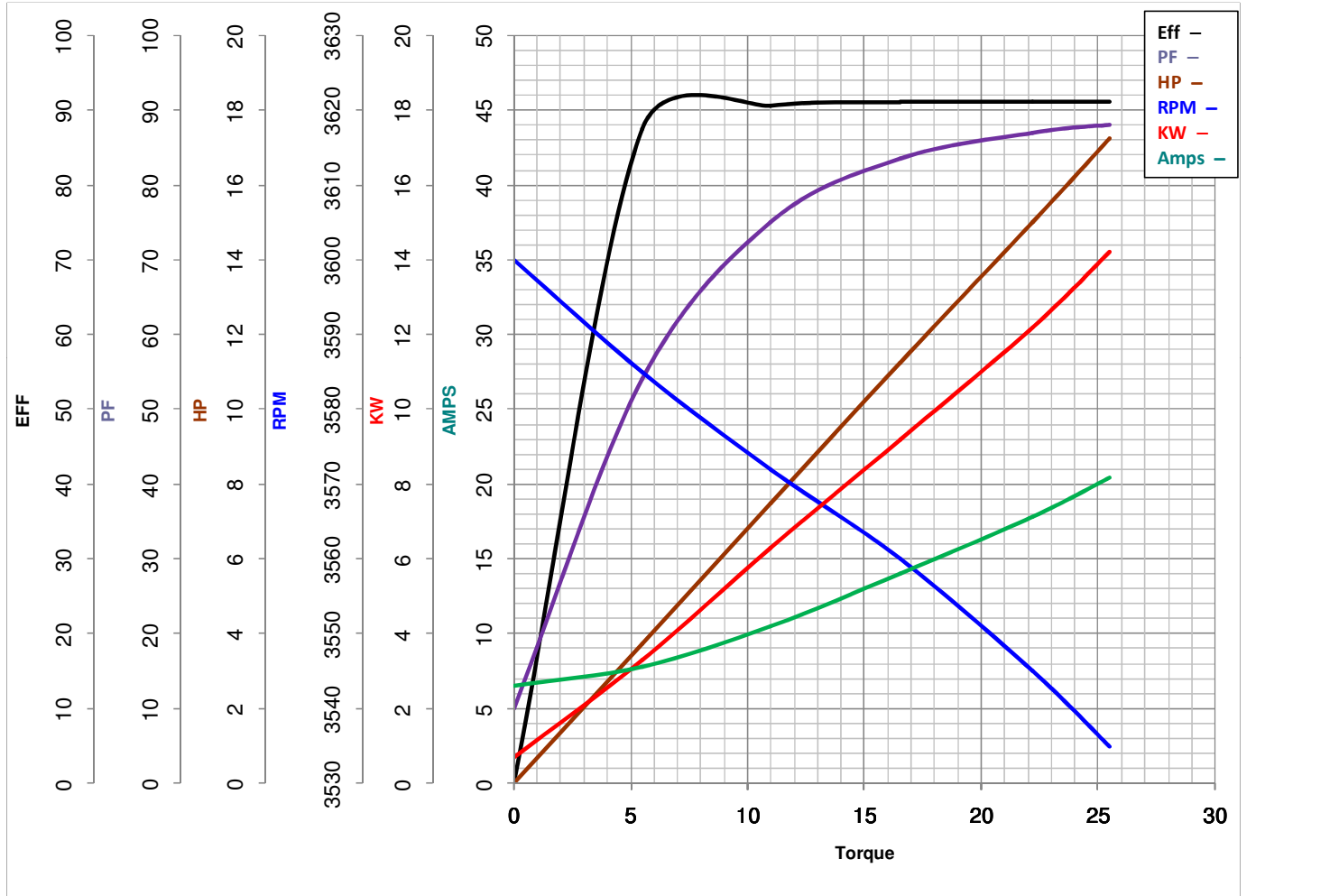
<b>INVERTER</b>	TORQUE: CONSTANT 20:1/VARIABLE 20:1
<b>INV. HP SPEED RANGE:</b>	NONE
<b>ENCODER:</b>	NONE
<b>T</b>	NONE
<b>O</b>	NONE
<b>E</b>	PPR
<b>S</b>	NONE
<b>BRAKE:</b>	NONE
	P/N NONE
	NONE
	NONE
	FT-LB NONE
	NONE V NONE
	Hz

**PREPARED BY:** Anusha Muthyala  
**DATE:** 05/04/2018 02:10:14 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 15&10 PHASE 3  
 Model No 254TTFC6012 60 HZ  
15 HP VOLTS 230/460&190/380  
 Catalog No GT3421A HZ 60&50 RPM 3545&2955



FL TORQUE	<u>22.2</u>	Lb.Ft	FL AMPS	<u>35.5/17.8</u>
BD TORQUE	<u>60.0</u>	Lb.Ft	PU TORQUE	<u>31.5</u> Lb.Ft
LR TORQUE	<u>37</u>	Lb.Ft	LR AMPS	<u>114</u>
WINDING	HE31602008-2	Prepared By	ANUSHA M	Date 5/4/2018