

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 213TTFBD6033
Catalog No: GT3216A
7 1/2,1800,TEFC,213JM,3/60/575
JM



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REGAL



Nameplate Specifications

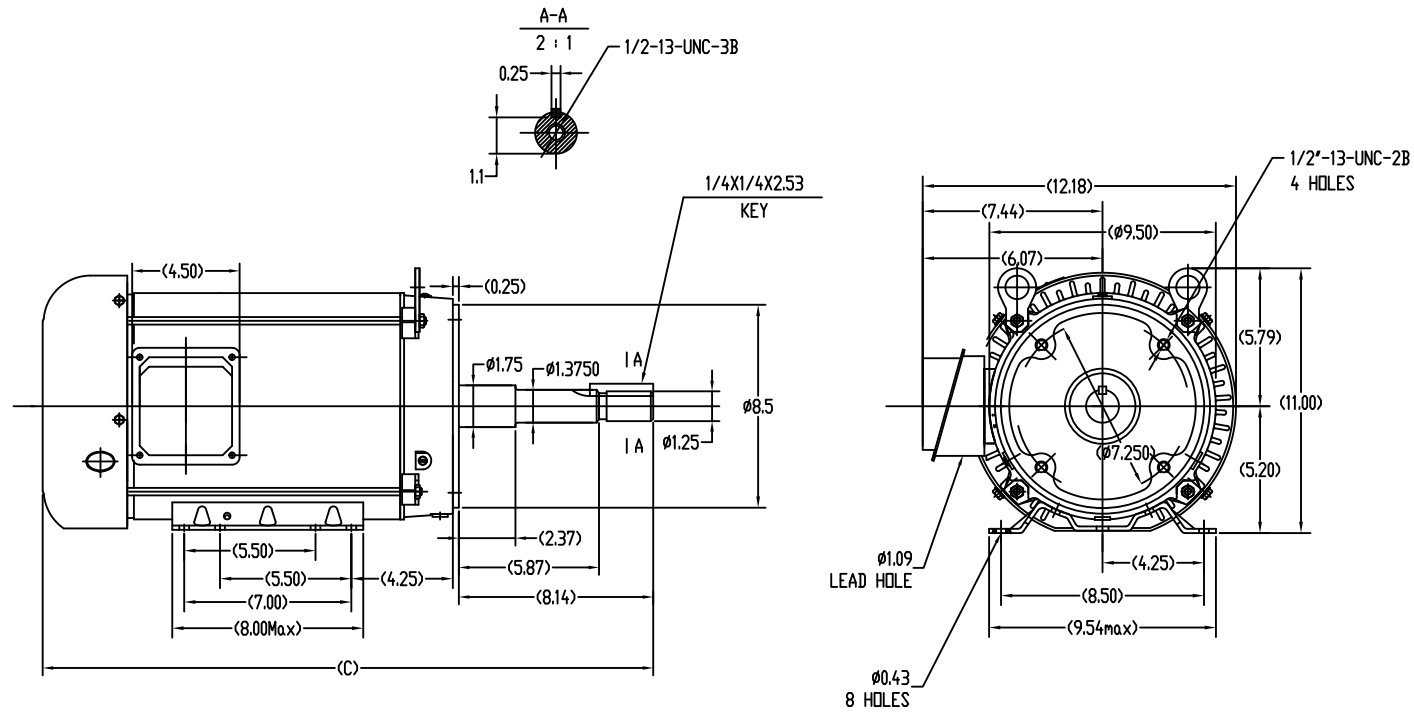
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	7.6 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	93.3 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	213JM
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	JM
Frame Length	9.65 in	Shaft Diameter	0.874 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620827	Connection Diagram	EE7300

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SS620827



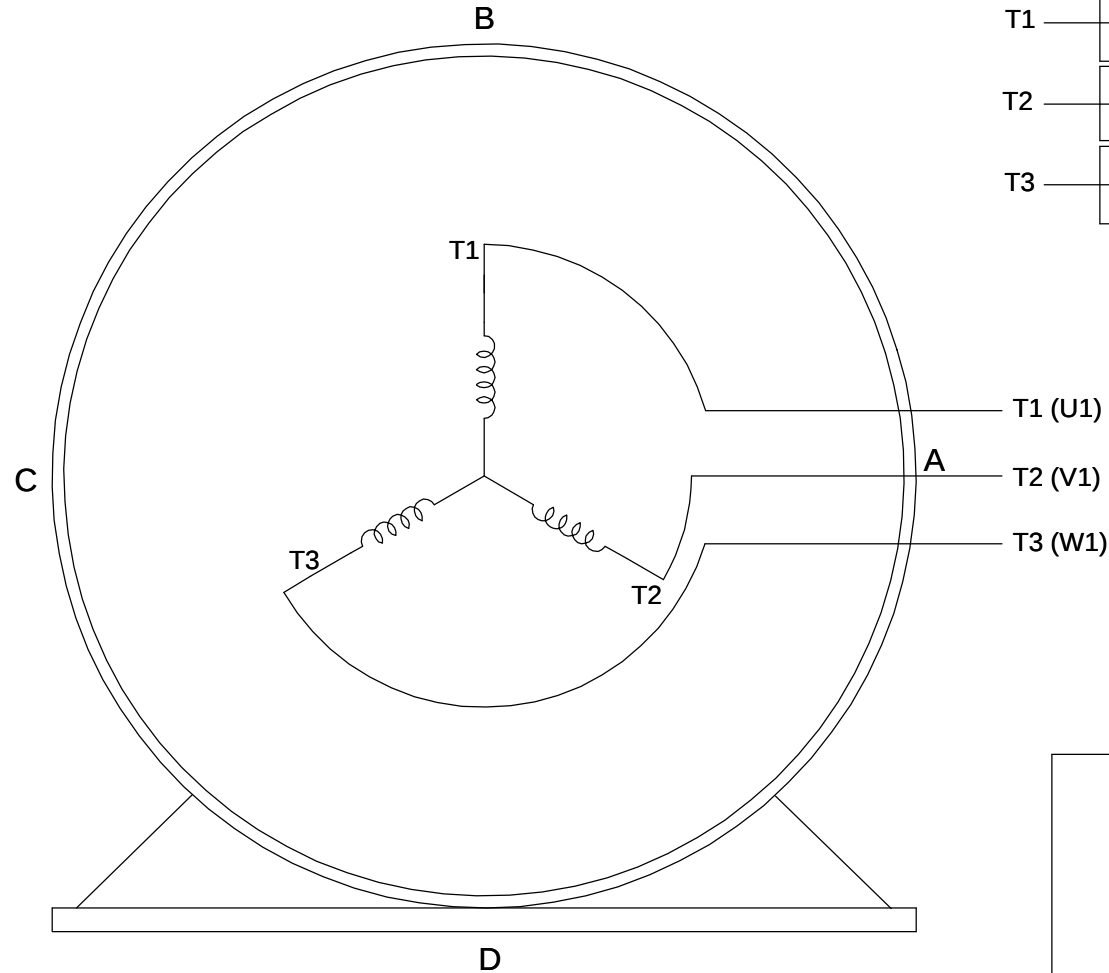
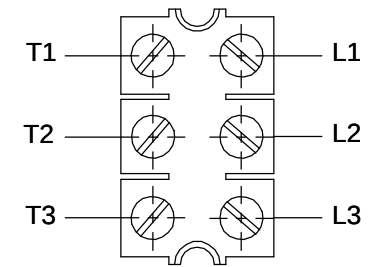
213TC	24.01
215TC	25.78
FRAME	C

		TOLERANCES UNLESS SPECIFIED		DRAWN ZYH 4/13/2017	
		DEC.	INCHES	CHK	
		XX	0.1	APPD	
		XXX	0.03	SCALE 1=4	
		XXXX	0.005	REF	
1	UPDATED KEY DETAILS	XIADWEI ZHU29/05/2017	YZ	XXXX	0.005
		BY & DATE	CHK	ANG	1/2
		FINISH	CAD FILE	SS620827	SIZE
		REV.	B	SS620827	B
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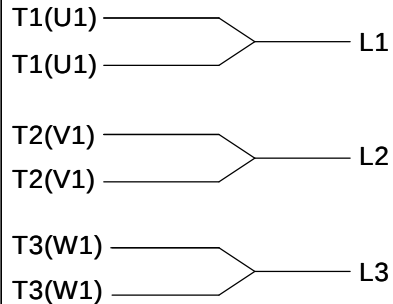
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED

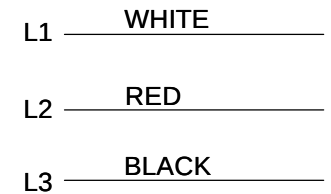


IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

MODEL #: 213TTFBD6033 AA

CONN. DIAGRAM: EE7300

CUSTOMER PART #:

OUTLINE: SS620827

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1768	213JM	TEFC	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	7.6	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

		ELEC. TYPE	
FULL LOAD EFF:	93.3	3/4 LOAD EFF:	93
1/2 LOAD EFF:	90	GTD. EFF	
FULL LOAD PF:	79.3	3/4 LOAD PF:	73.4
1/2 LOAD PF:	63.8	91	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	49.6	45 LB-FT	202 %	59 LB-FT 265 %
				40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK $\times$ 2	MAX. WK $\times$ 2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.95 LB-FT $\times$ 2	75 LB-FT $\times$ 2	25 SEC.	2	175 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6309	6206	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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

Encoder: NONE

None	None
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NONE	NONE	PPR
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BRAKE: NONE

	NONE	P/N	NONE
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None	None

NONE	FT-LB	NONE	V	NONE	HZ
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PREPARED BY: Fareeda Dudekula

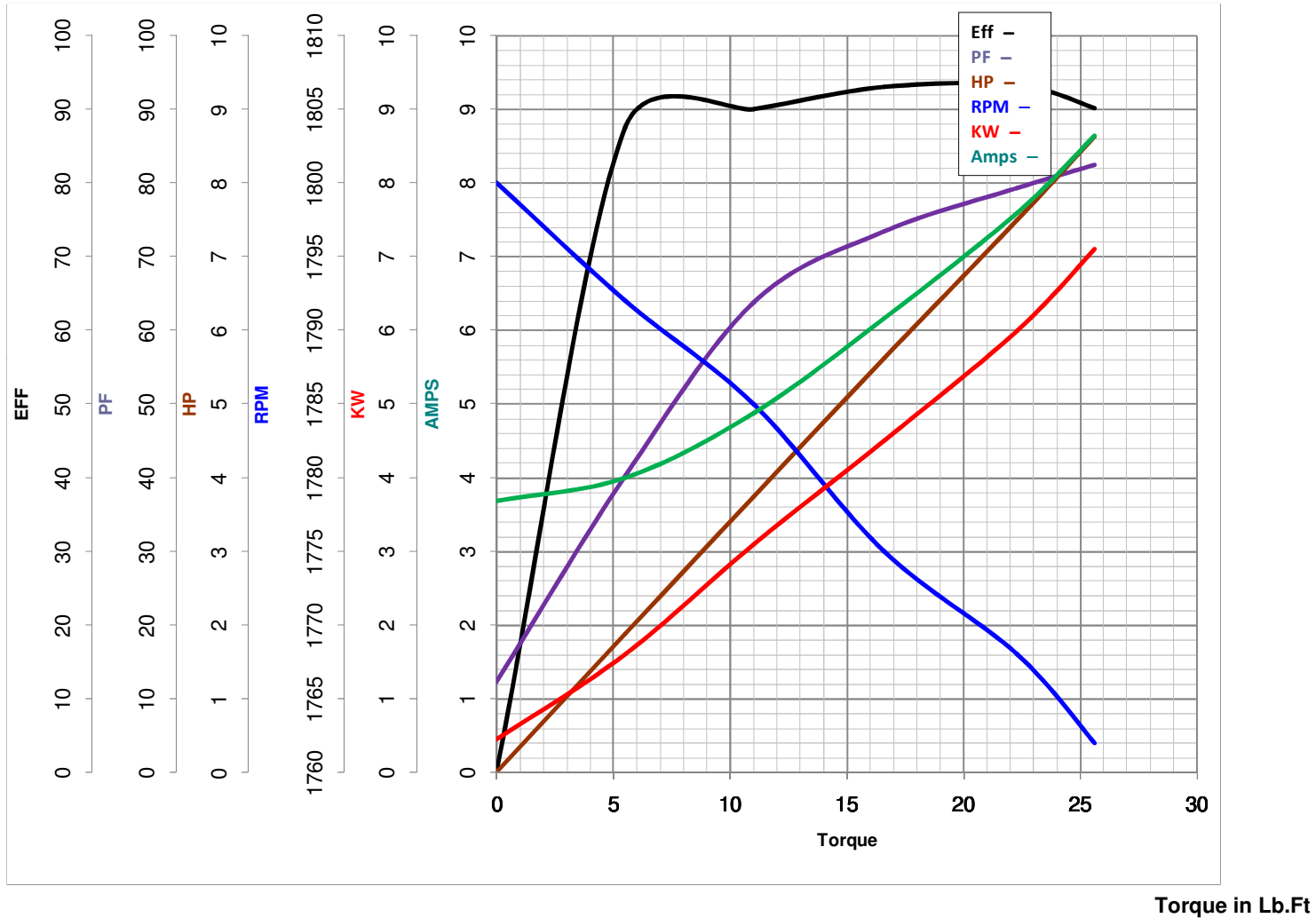
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FORM 3531 REV.3 02/07/99

**** Subject to change without notice.**

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**575**Volts****HP** 7.50**PHASE** 3**Model No** 213TTFBD603360**HZ****VOLTS** 5757.5**HP****Catalog No** GT3216A**HZ** 60**RPM** 1768

Torque in Lb.Ft

FL TORQUE 22.3 Lb.Ft**BD TORQUE** 59.0 Lb.Ft**LR TORQUE** 45 Lb.Ft**FL AMPS** 7.6**PU TORQUE** 38.0 Lb.Ft**LR AMPS** 49.6**WINDING** HE31324012-3**Prepared By**

FAREEDA

Date

5/9/2018