PRODUCT INFORMATION PACKET

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

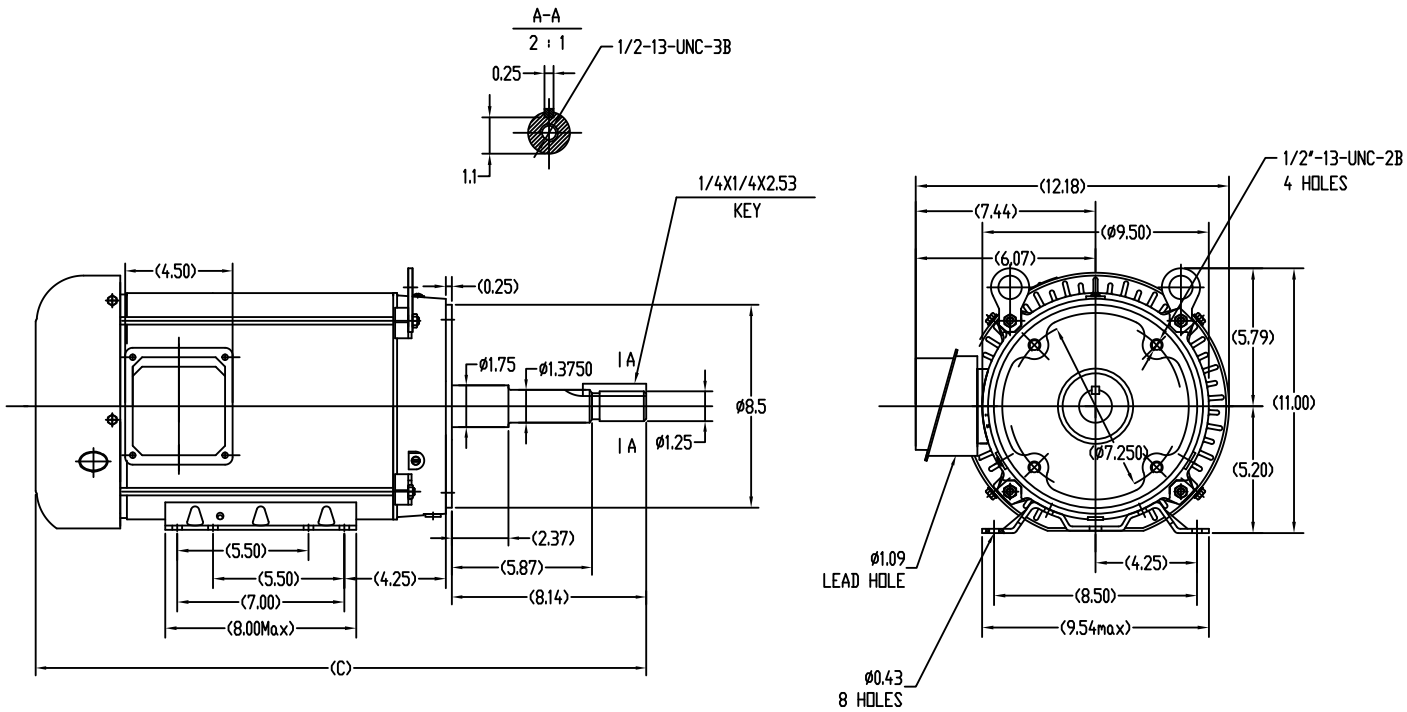
Nameplate Specifications

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	**Continous**
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**

SS620827



213TC	24.01
215TC	25.78
FRAME	C

NO.	REVISION	BY & DATE	CHK
1	UPDATED KEY DETAILS	XIAOWEI ZHU29/05/2017	YZ

TOLERANCES UNLESS SPECIFIED
DEC. INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±1/2

REGAL-BELOIT CORPORATION

DRAWN ZYH 4/13/2017
CHK
APPD
SCALE 1=4
REF
FMF WUXI
PREV

TITLE OUTLINE
TEFC-213/215JP FR-ROLLED STEEL

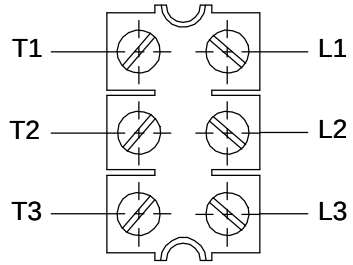
MAT'L.
FINISH
RFP
CAD FILE SS620827
DIST

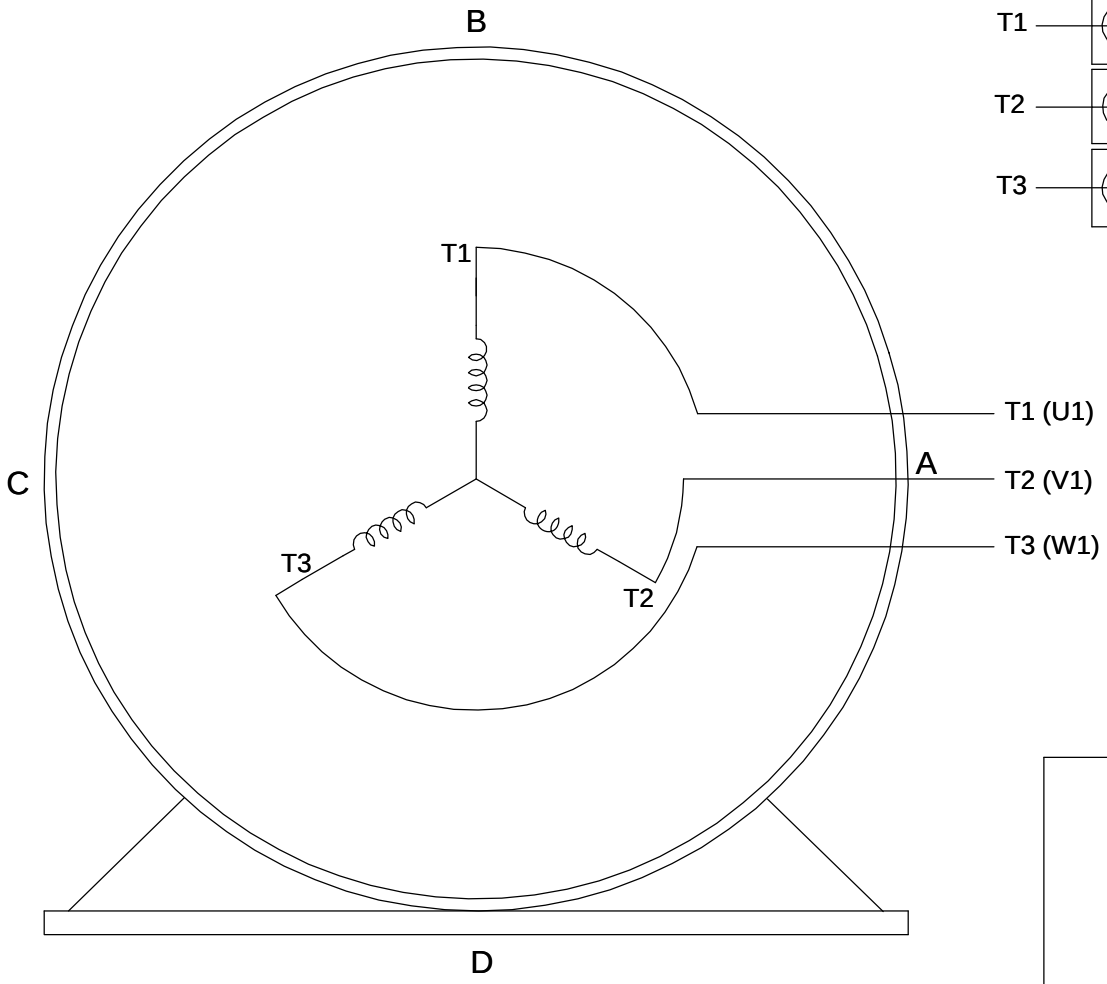
SIZE B | DRAWING NO. SS620827 | REV. B

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

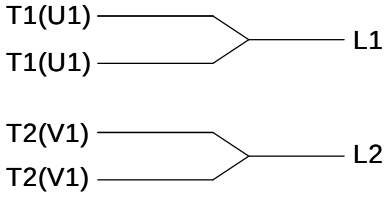
TERMINAL BLOCK WHEN SPECIFIED





VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

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		

DRAWN BY: DA	
DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

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
WINDING #: HE31324012 3

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

FULL LOAD EFF:	3/4 LOAD EFF:	1/2 LOAD EFF:	GTD. EFF	ELEC. TYPE
93.3	93	90		
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^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.95 LB-FT^2	75 LB-FT^2	25 SEC.	2	175 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	NONE	FALSE	NONE	BLUE (ENAMEL)

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

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
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

NOTES

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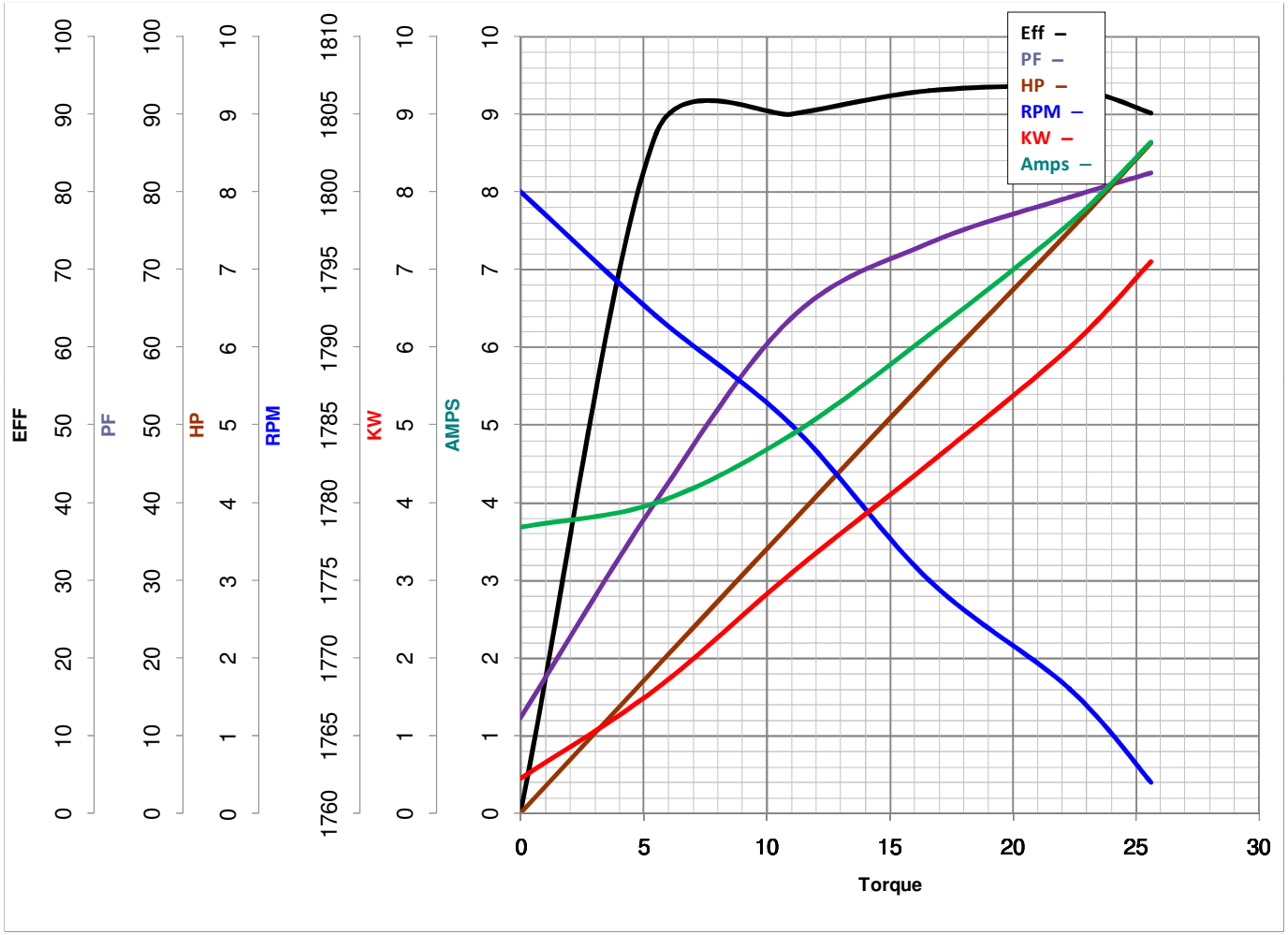
PREPARED BY: Fareeda Dudekula
DATE: 05/09/2018 08:24:09 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

5 of 6

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer		**Curve at**	575	**Volts**	**HP** 7.50	**PHASE**	3
			60	**HZ**			
Model No 213TTFBD6033			7.5	**HP**	**VOLTS** 575		
Catalog No GT3216A					**HZ** 60	**RPM**	1768



Torque in Lb.Ft

FL TORQUE	22.3	**Lb.Ft**	**FL AMPS**	7.6	
BD TORQUE	59.0	**Lb.Ft**	**PU TORQUE**	38.0	**Lb.Ft**
LR TORQUE	45	**Lb.Ft**	**LR AMPS**	49.6	
WINDING	HE31324012-3	**Prepared By**	FAREEDA	**Date**	5/9/2018