

PRODUCT INFORMATION PACKET

Model No: 215TTFC6076

Catalog No: GT1014A

General Purpose Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 215T Frame, TEFC



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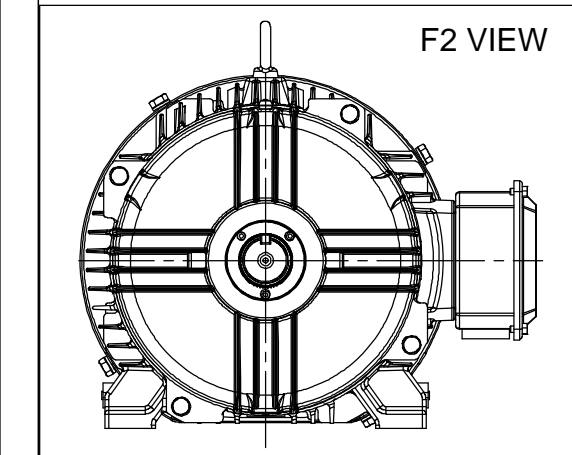
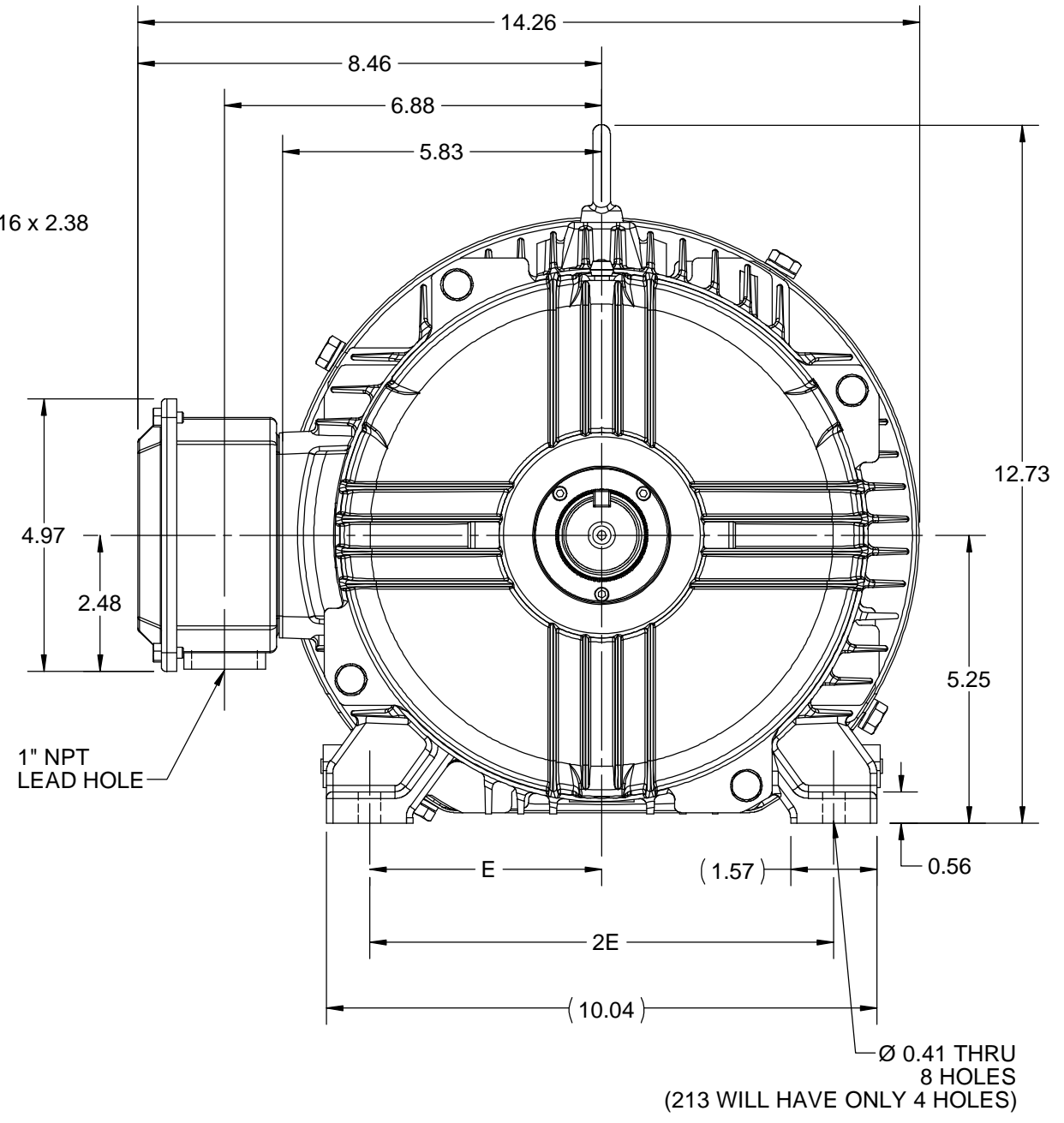
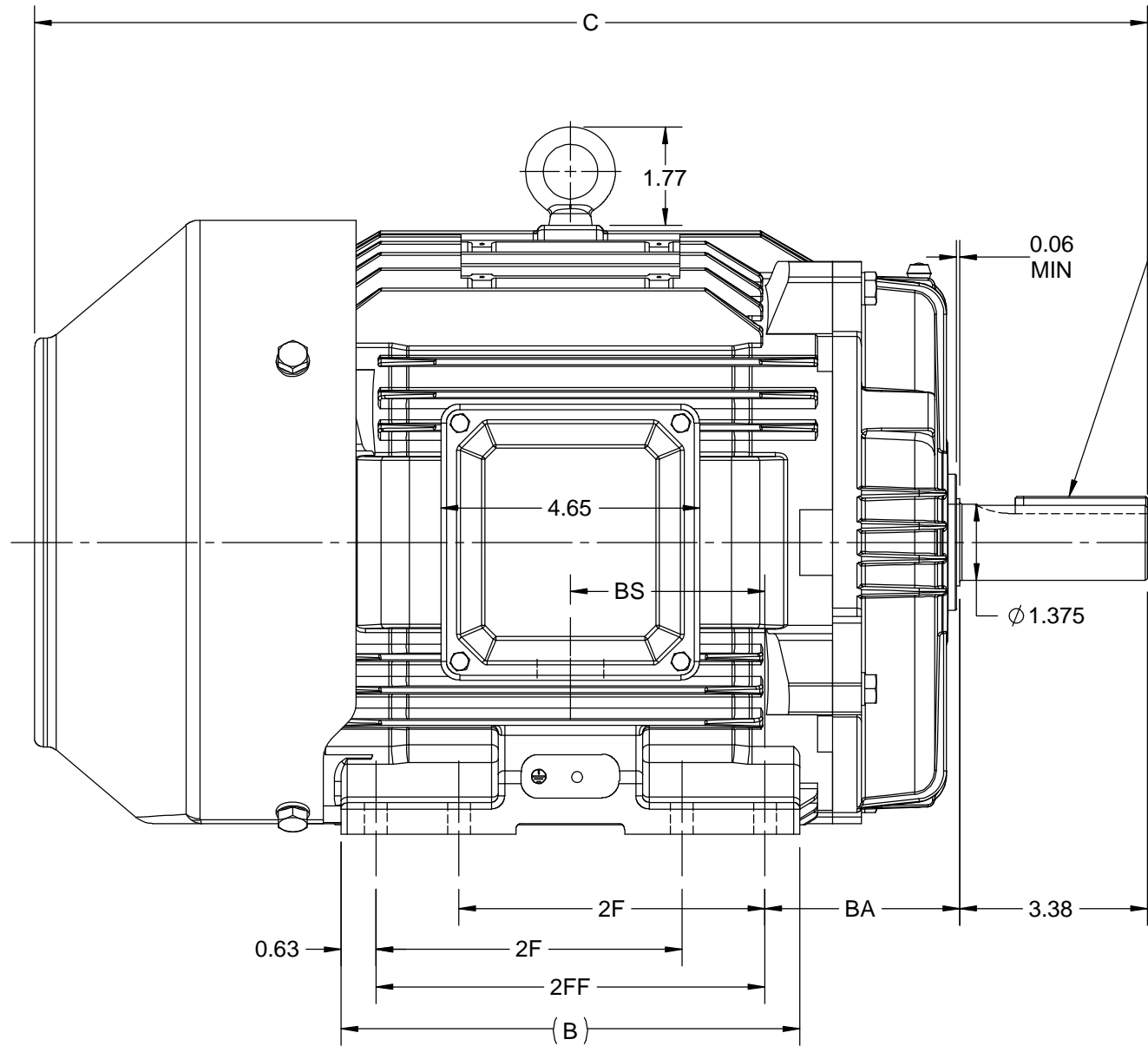
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	13.6/6.8 A	Speed	1180 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	77.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Listed	CSA	Y
CE	Y	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	2.656 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	20.03 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Outline Drawing	SS620702-200	Connection Drawing	EE7308

DASH NO.	4			3			2		1	
	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	6.76	18.53	4.25	8.50	---	5.50	3.50	2.75	F1 OR F2	213T
200	8.26	20.03			5.50	7.00		3.50		213/215T



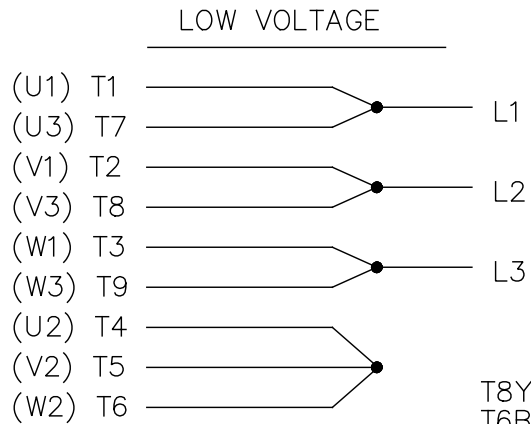
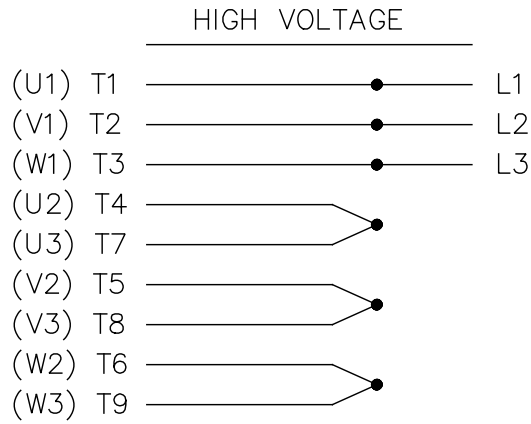
DRAWING REVISION C	REVISION BY VS	REV DATE/© DATE 30-09-2020
ECO ECO-0194527	APPROVED BY GNK	DATE 30-09-2020
ECO DESCRIPTION UPDATED DRAWING		
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DRAWN BY JOY	REGAL ® Regal Beloit America, Inc.
DATE 04/05/2015	
APPROVED BY SBD	DESCRIPTION OUTLINE 213/215T FR TEFC- CAST IRON
DATE 04/05/2015	MATERIAL PROCESS/FINISH
REFERENCE	SIZE DRAWING NUMBER B SS620702
THIRD ANGLE PROJECTION	SHEET 1 OF 1

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

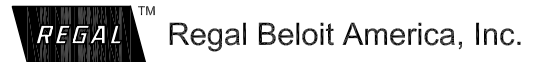
REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					





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

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER

ORDER #:

PO#:

CONN. DIAGRAM: A-EE7308

MODEL #: 215TTFCD6076 BB

CUSTOMER PART

OUTLINE: SS620702-215T

#:

WINDING #: HE31326015 2

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.70&2.24	1200	1180&985	215T	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	13.6/6.8&10.6/5.3	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	89.5&89	3/4 LOAD EFF:	89.5	1/2 LOAD EFF:	89	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	77.5&72	3/4 LOAD PF:	72	1/2 LOAD PF:	61	88.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	96 / 48	41 LB-FT 184 %	62.5 LB-FT 280 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	1.05 LB-FT^2	110 LB-FT^2	25 SEC.	2	168 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP 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	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6308	6208						

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

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INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1
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

PREPARED BY: Anusha Muthyala
DATE: 09/24/2019 12:44:03 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 1/7/2019
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



215TTFC6076

Submittal
 Data @ **460 V**

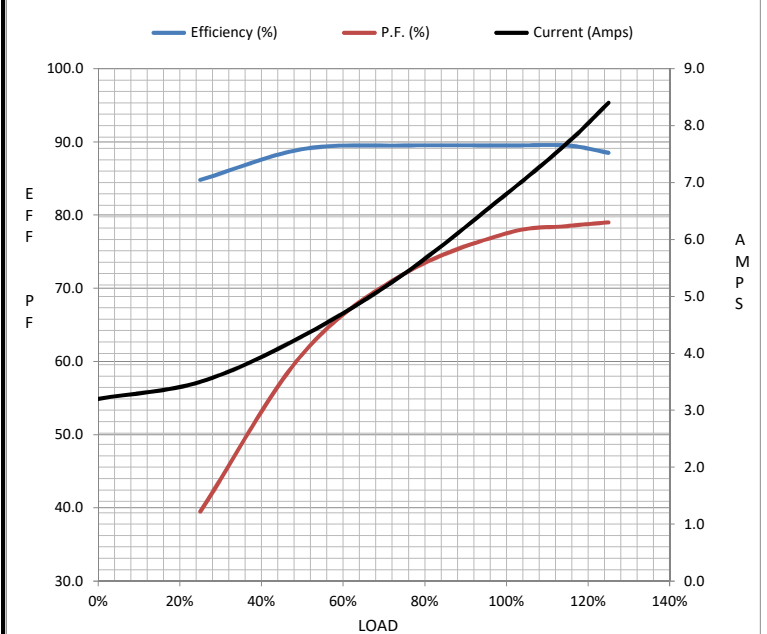
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.2	3.5	4.3	5.4	6.8	7.7	8.4	48.0
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.7	28.1	41.0
RPM	1200	1195	1190	1185	1180	1,175	1170	0
Efficiency (%)		84.8	89.0	89.5	89.5	89.5	88.5	
P.F. (%)	6.0	39.5	61.0	72.0	77.5	78.5	79.0	45.0

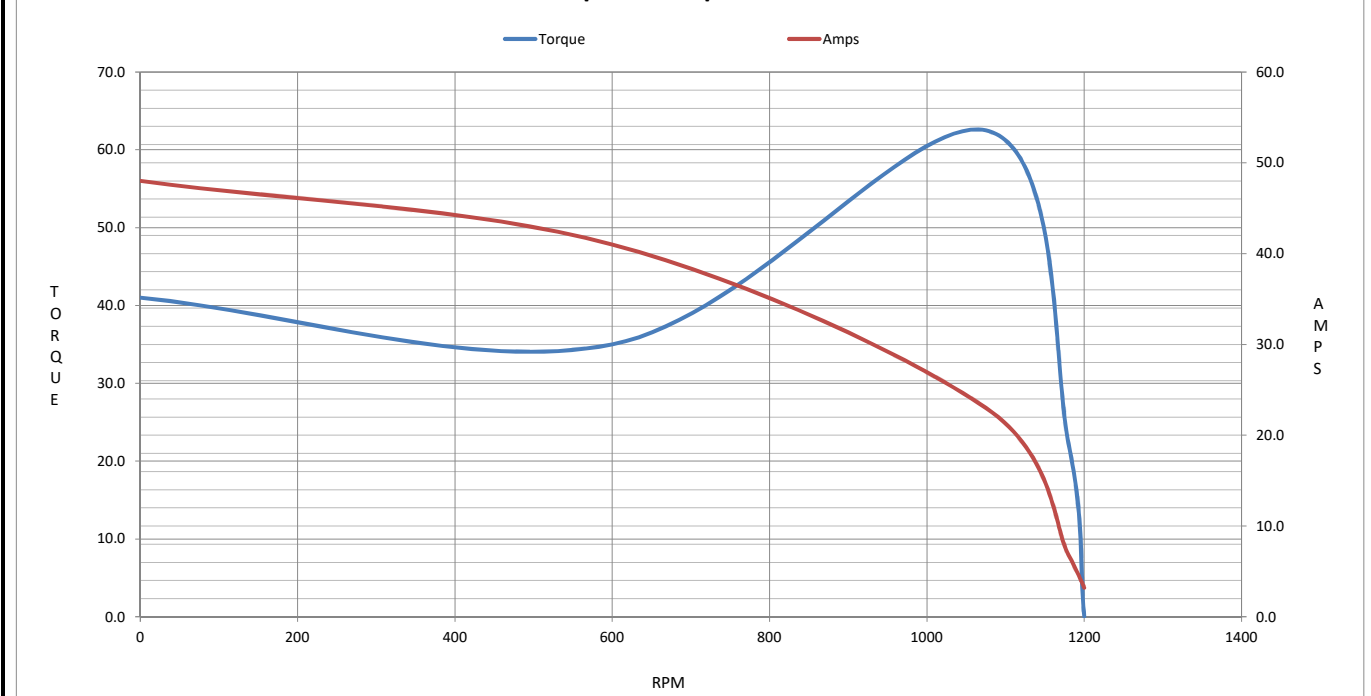
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1075	1180	1200
Current (Amps)	48.0	41.0	23.0	6.8	3.2
Torque (ft-lb)	41.0	35.0	62.5	22.3	0.00

Information Block				
HP	5.0			
Sync. RPM	1200			
Frame	215			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	1.05 Lb-Ft ²			
Ref Wdg	HE31326015 NONE			
Sound Pressure @ 1M	55 dBA			
VFD Rating	CONSTANT 10:1/VARIABLE 10:1			
Outline Dwg	B-SS620702			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.6130	0.7440	4.8340	6.7480	78.8380



Speed - Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 215TTFC6076

(Model No. may contain prefix and/or suffix characters)

Catalog No : GT1014A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22