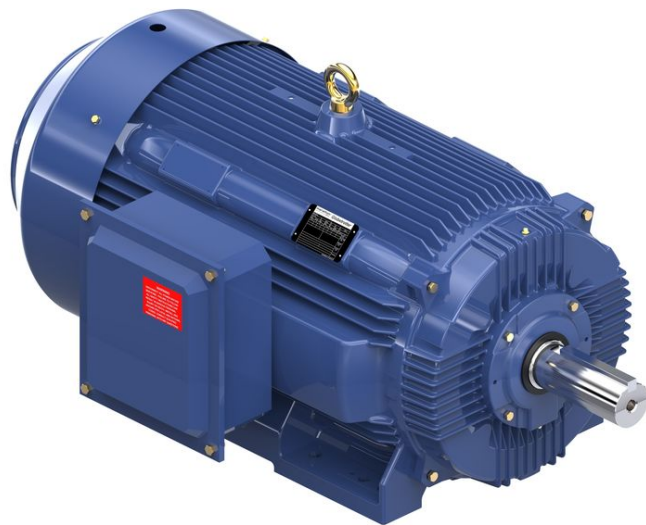


PRODUCT INFORMATION PACKET

Model No: 449TTFC6088

Catalog No: GT1056A

General Purpose Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 449T Frame, TEFC



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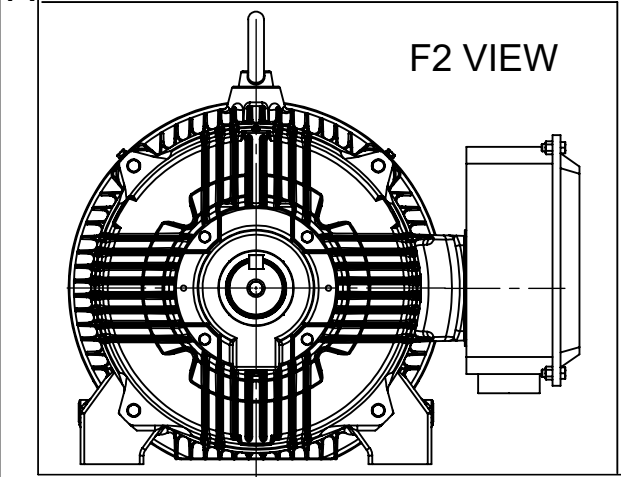
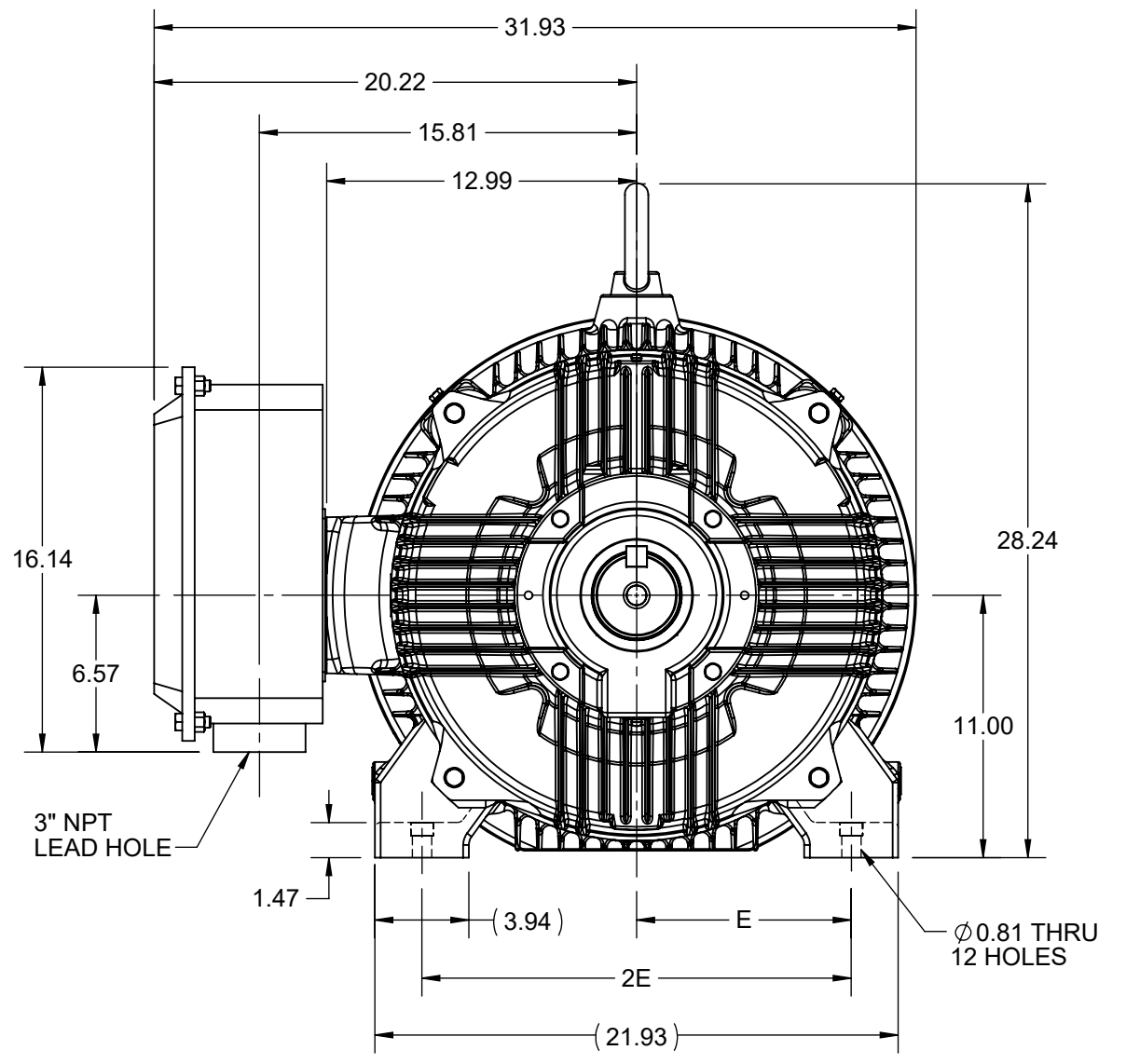
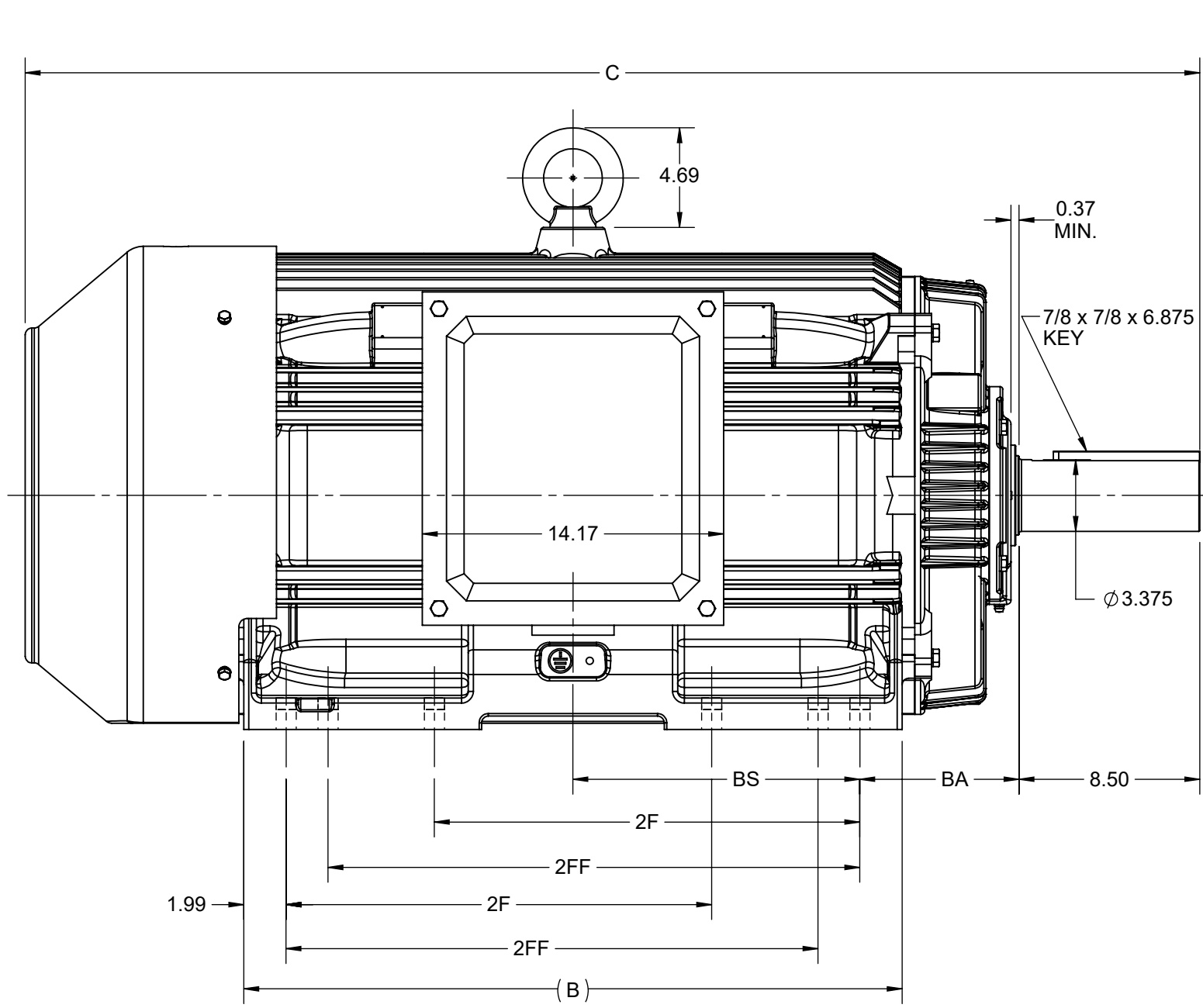
Nameplate Specifications

Output HP	200 Hp	Output KW	149.0 kW
Frequency	60 Hz	Voltage	460 V
Current	230.0 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	449T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
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	Part Wdg Start Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.0186 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	55.21 in
Shaft Diameter	3.375 in	Shaft Extension	8.5 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7341C	Outline Drawing	SS557013

4			3			2			1		
B	C	E	2E	2F	2FF	BA	BS	MOUNTING			
30.94	55.21	9.00	18.00	20.00	25.00	7.50	13.48	F1 OR F2			



DRAWING REVISION D	REVISION BY BISWA	REV DATE/© DATE 13/01/2021
ECO CR-0000557	APPROVED BY GNK	DATE 13/01/2021
ECO DESCRIPTION DRAWING UPDATED		
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DRAWN BY NIV	REGAL ® Regal Beloit America, Inc.
DATE 23/05/2016	
APPROVED BY SBD	DESCRIPTION OUTLINE 447/449T FR-TEFC
DATE 23/05/2016	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS557013
	SHEET 1 OF 1

EE7341C

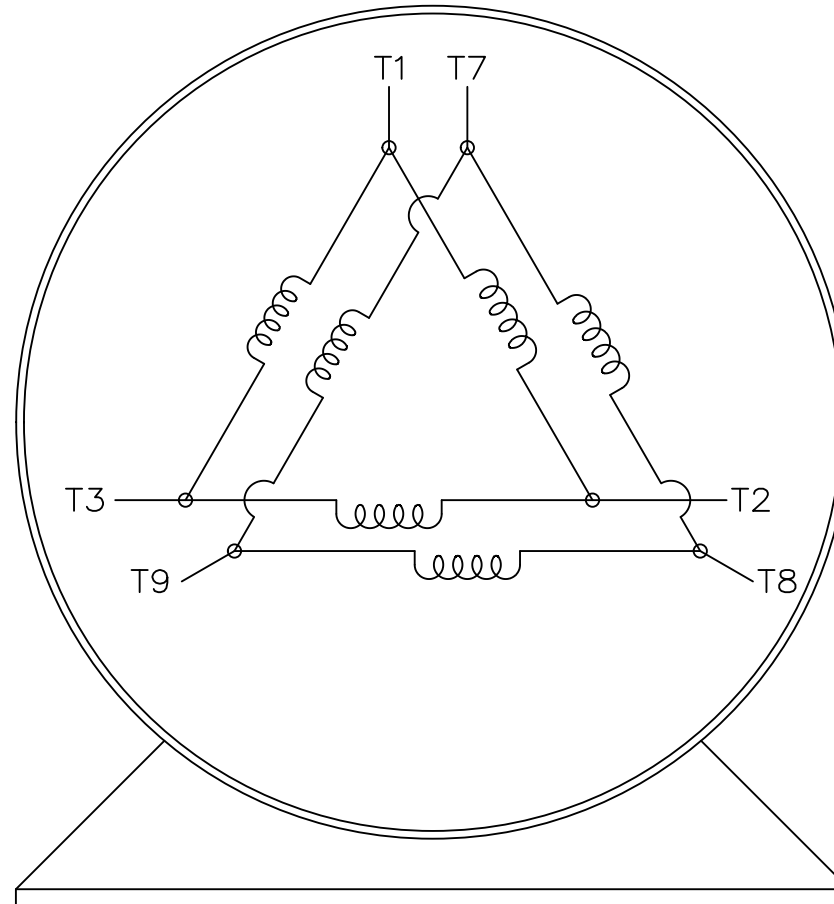
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7-T8,T8-T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN	BLR	03-09-1998
		DEC.	INCHES			CHK	ML	03-23-1998
		.X	± -			APPD	GK	03-23-1998
		.XX	± -	TITLE		SCALE 1=1		
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.XXX	± -	CONNECTION DIAGRAM		REF
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	± -	3ø - 6 LEADS		FMF
NO.	REVISION	BY & DATE	CHK	ANG	± -	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 EE7341C		SIZE	DRAWING NO. PAGE OF REV.	
			DIST			A	EE7341C	E

Data Sheet

Date: 12/14/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



449TTFCD6088

Submittal

Data @ 460 V

Motor Load Data

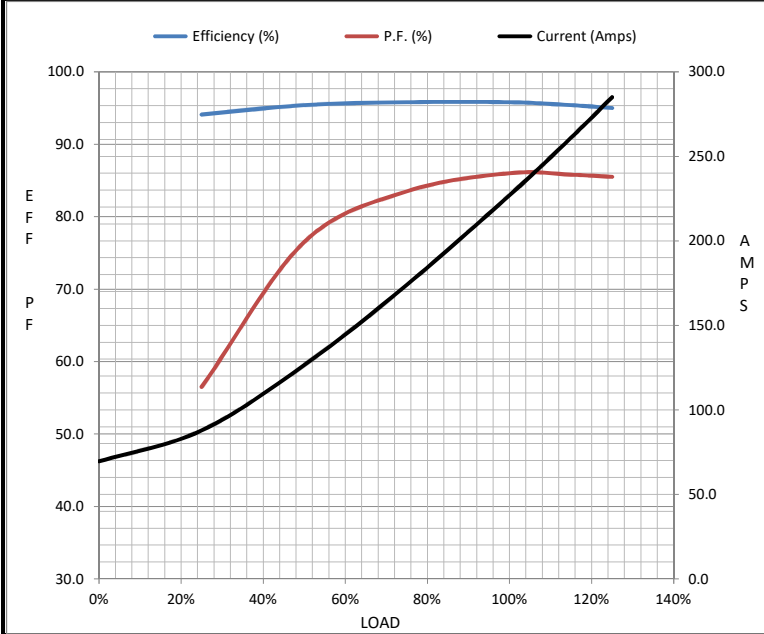
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	69.5	87.8	127	174	227	261	285	1,450
Torque (ft-lb)	0.00	220	440	661	883	1,018	1,106	1,635
RPM	1200	1198	1195	1192	1190	1,188	1188	0
Efficiency (%)		94.1	95.4	95.8	95.8	95.4	95.0	
P.F. (%)	4.0	56.5	76.5	83.5	86.0	85.8	85.5	31.0

Motor Speed Data

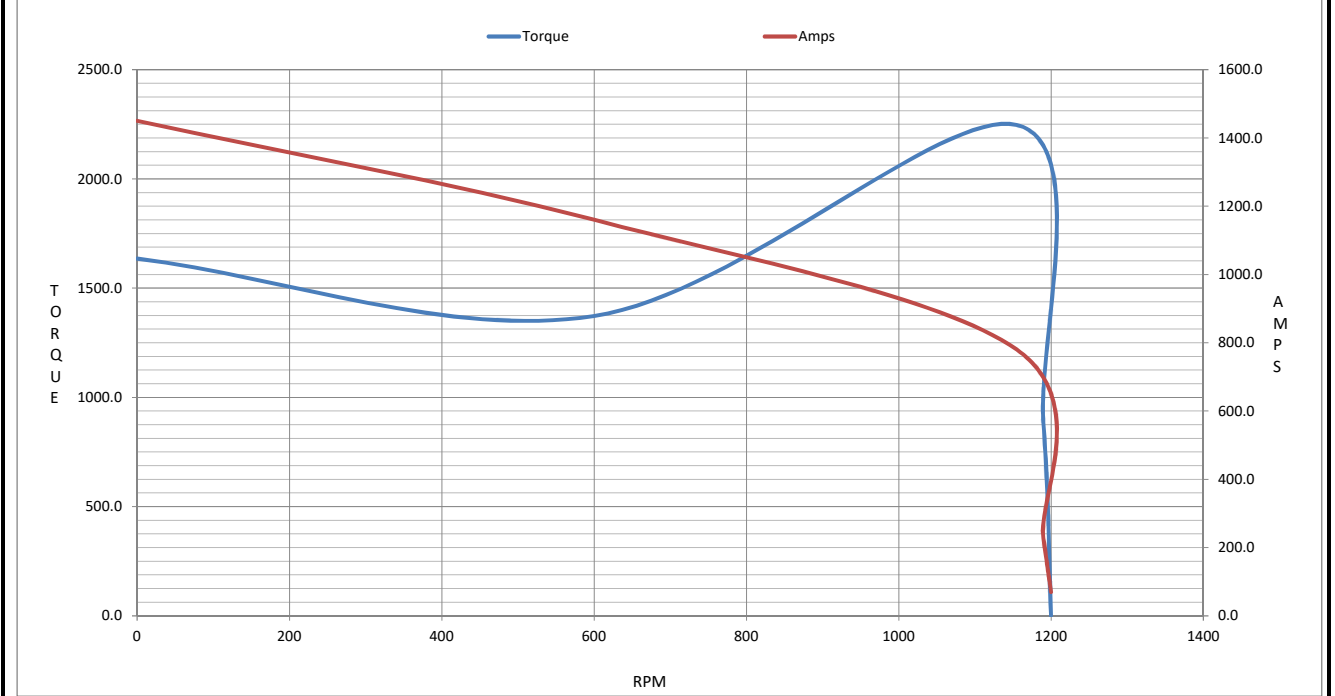
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1155	1190	1200
Current (Amps)	1,450	1,160	780	227	69.5
Torque (ft-lb)	1,635	1,372	2,247	883	0.00

Information Block

HP	200.0			
Sync. RPM	1200			
Frame	449			
Enclosure	TEFC			
Construction	TFC			
Voltage	460#380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	145 Lb-Ft ²			
Ref Wdg	HE32806008 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS557013			
Conn. Diag	EE7341C			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0110	0.0100	0.1090	0.1850	3.8340



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 : 449TTFCD6088

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

Catalog No : GT1056A

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