

PRODUCT INFORMATION PACKET

Model No: 404THFS8092

Catalog No: Y587

Blue Max® Inverter Duty Encoder Motor, 60 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 404TC Frame,
TEBC-AXIAL



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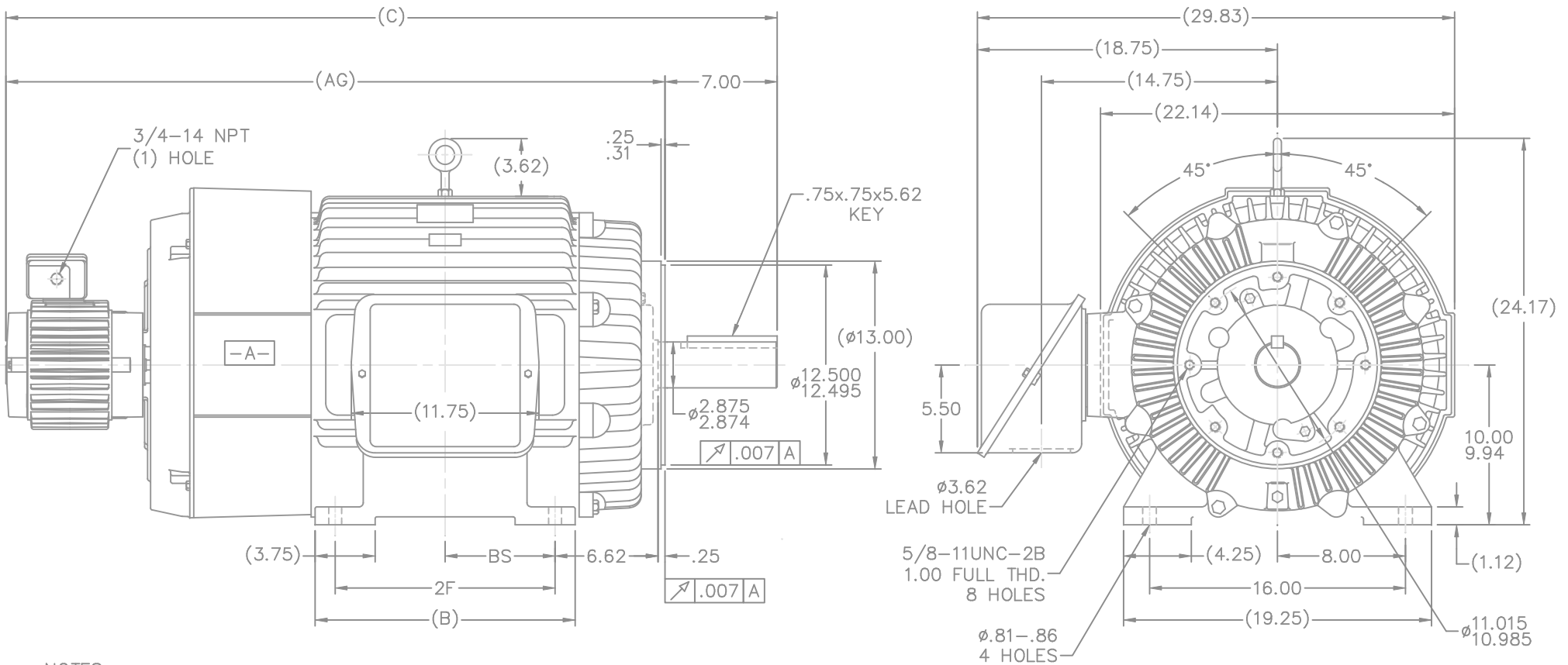
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Nameplate Specifications

Phase	3	Output HP	60 Hp
Output KW	45.0 kW	Voltage	230/460 V
Speed	1180 rpm	Service Factor	1
Frame	404TC	Enclosure	Totally Enclosed Blower cooled - Axial
Thermal Protection	Thermostat	Efficiency	92.4 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	142.0/71.0 A	Power Factor	86
Duty	Continuous	Insulation Class	H
Design Code	INV	KVA Code	H
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

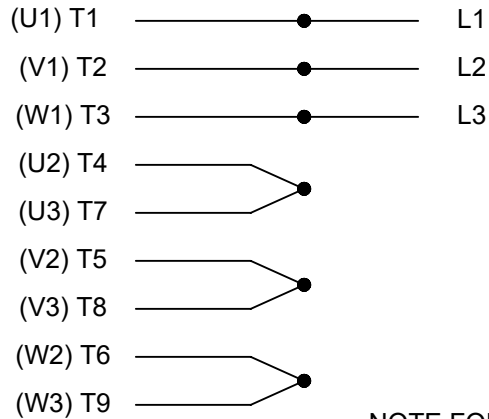
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	.13 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	48.22 in
Frame Length	15.25 in	Shaft Diameter	2.875 in
Shaft Extension	7 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Outline Drawing	B-SS518552-1525	Connection Drawing	A-EE7308T



- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

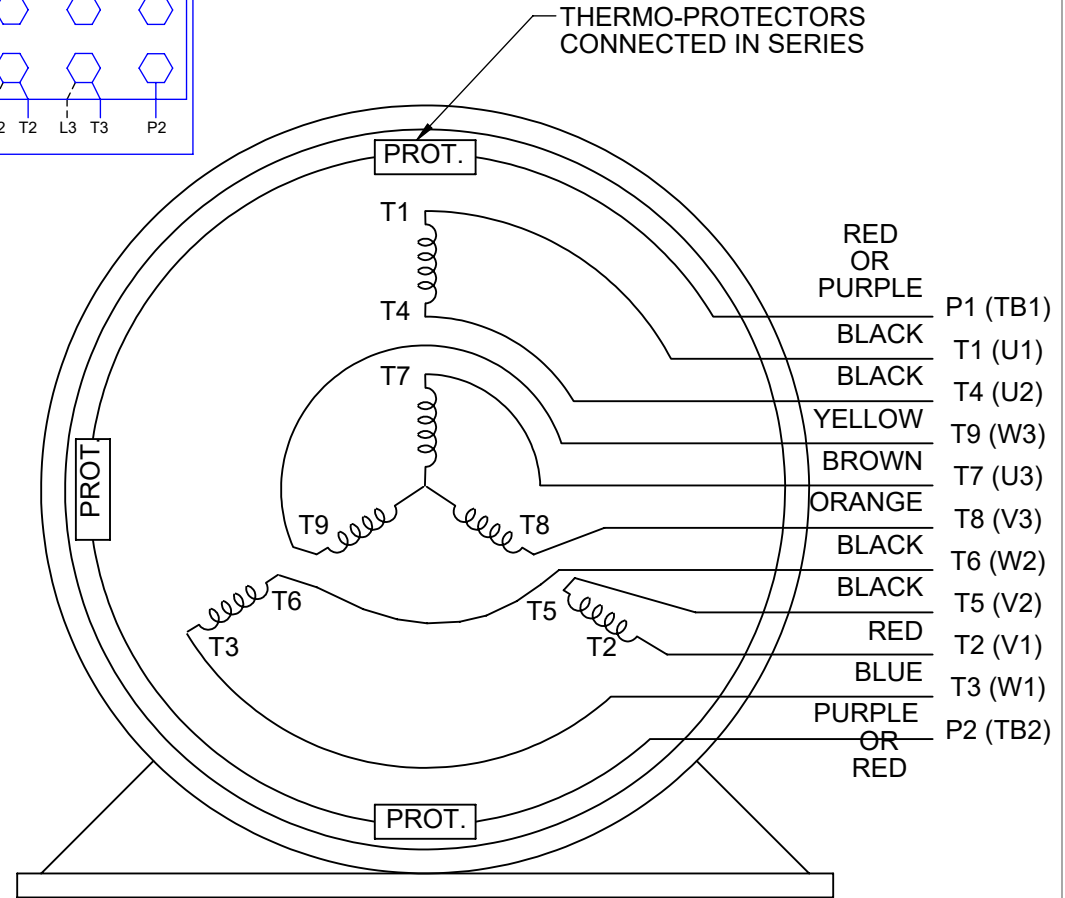
								TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN HLB 07-24-2001						
								DEC.	INCHES			CHK	ML 08-01-2001					
								.X	±.1	TITLE OUTLINE		APPD	GK 08-01-2001					
								.XX	±.03	400TC FR. - TEBC - C'FACE		SCALE	1=6					
								.XXX	±.005	MAT'L		REF						
								.XXXX	±.0005	FINISH		FMF						
								NO.	REVISION	CAD FILE SS518552		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		SIZE	DRAWING NO.	PAGE	OF	REV.
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HIGH VOLTAGE



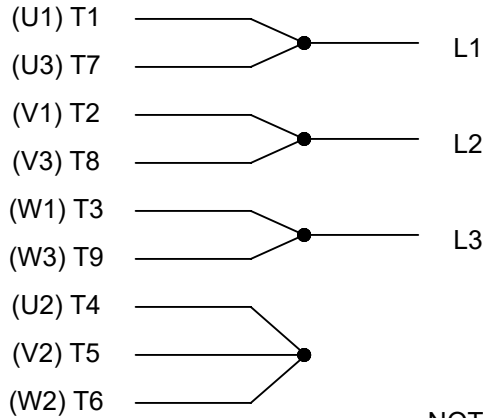
**THREE PHASE
DUAL VOLTAGE MOTOR**

THERMO-PROTECTORS
CONNECTED IN SERIES



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T	REVISION BY ZR	DATE 01-14-2019		DRAWN BY SMC	Regal Beloit America, Inc.
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019		DATE 05-13-1992	
ECO DESCRIPTION ADDED TERMINAL CONNECTION DIAGRAM				APPROVED BY TB	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR
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			REFERENCE EE7308/EE7300	SIZE A	DRAWING NUMBER EE7308T

NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

DATE: 06/21/2017 07:45:36 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



404THFS8092

Submittal

Data @ 460 V

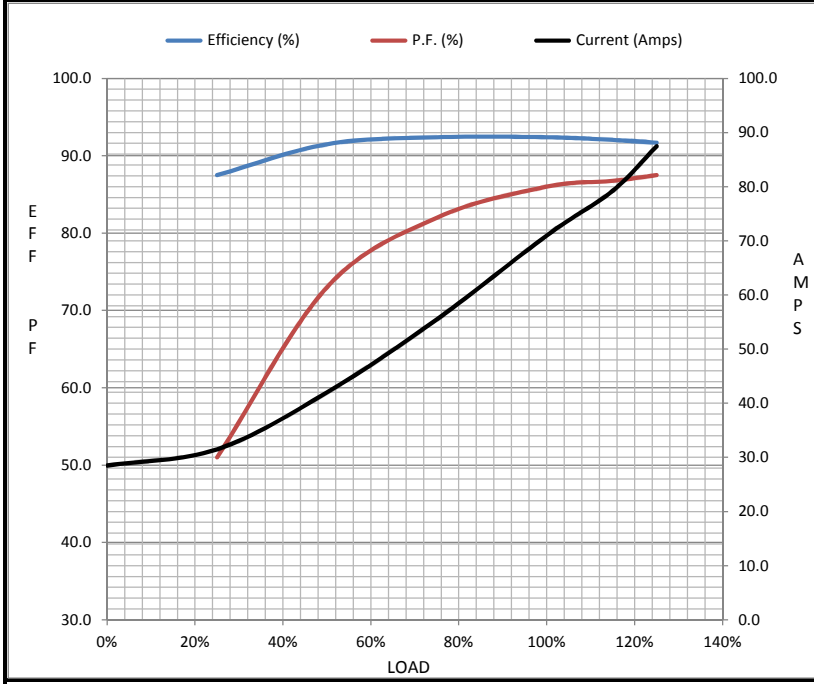
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	28.5	31.5	42.0	55.5	71.0	79.3	87.5	510
Torque (ft-lb)	0.00	66.0	132	200	267	302	336	500
RPM	1200	1195	1190	1185	1180	1,177	1173	0
Efficiency (%)		87.5	91.5	92.4	92.4	92.1	91.7	
P.F. (%)	7.0	51.0	73.0	82.0	86.0	86.8	87.5	35.0

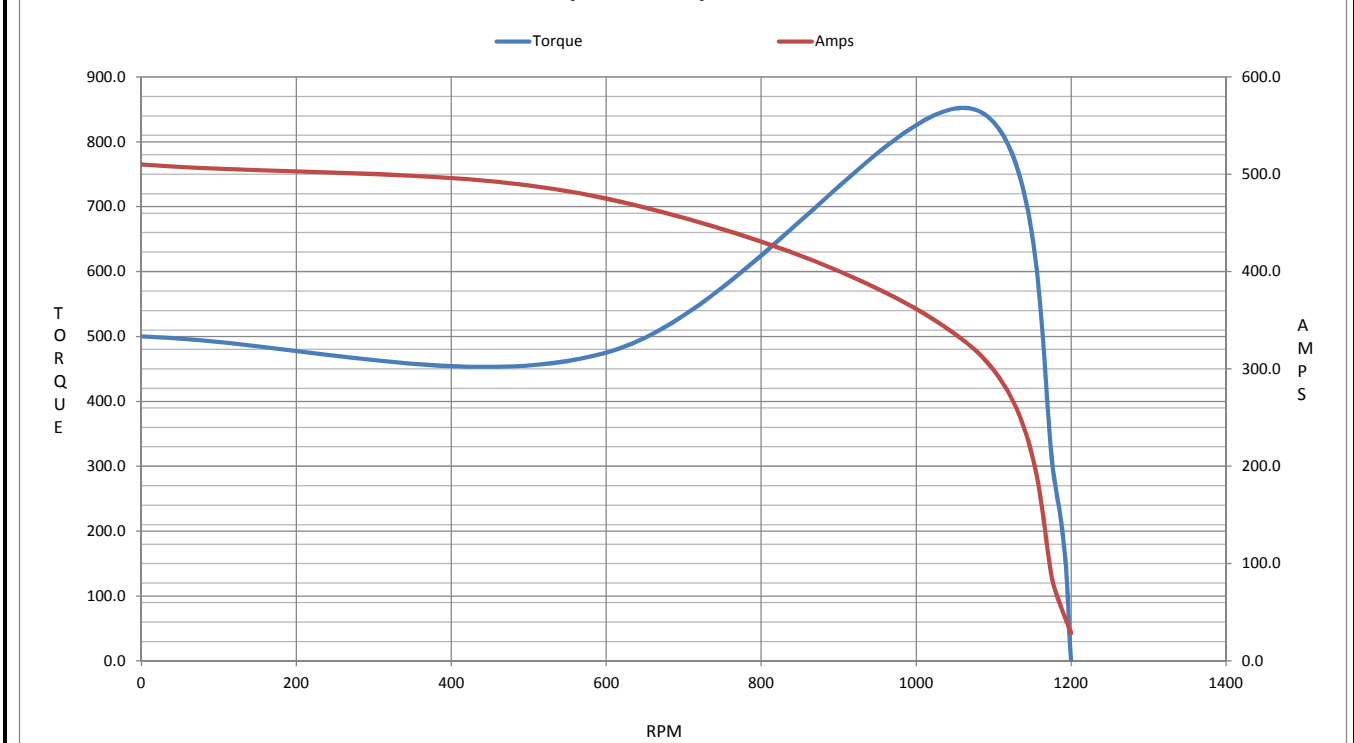
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1075	1180	1200
Current (Amps)	510	475	320	71.0	28.5
Torque (ft-lb)	500	475	850	267	0.00

Information Block				
HP	60.0			
Sync. RPM	1200			
Frame	404			
Enclosure	TEBC			
Construction	TBS			
Voltage	230/460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	68 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	35.5 Lb-Ft ²			
Ref Wdg	T404665 NONE			
Sound Pressure @ 1M	88 dBA			
VFD Rating	CONSTANT 2000:1			
Outline Dwg	B-SS518552-1525			
Conn. Diag	A-EE7308T			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0850	0.0680	0.3630	0.3000	8.8920



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 : 404THFS8092

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

Catalog No : Y587

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