

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 145THTBD5329

Catalog No: Y366A

microMAX™ Inverter Duty Speed Ratio Motor, 1.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 145TC Frame,
TENV



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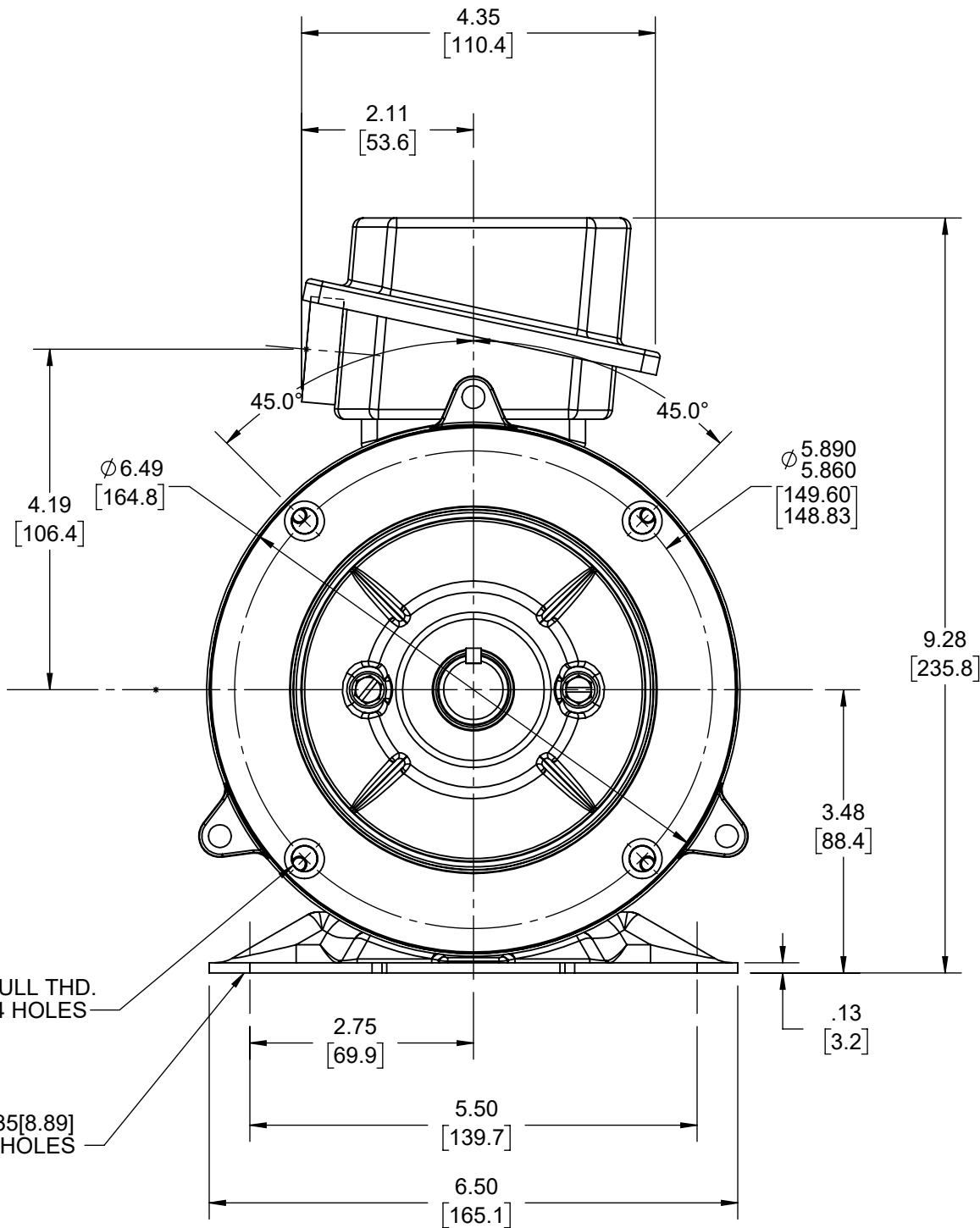
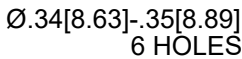
Nameplate Specifications



Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.4/2.2 A	Speed	1745 rpm
Service Factor	1	Phase	3
Efficiency	85.5 %	Power Factor	75
Duty	Continuous	Insulation Class	H
Design Code	INV	KVA Code	M
Frame	145TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
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	4	Rotation	Reversible
Resistance Main	9.55 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	0.875 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 1000:1
Outline Drawing	SS621077-800	Connection Drawing	EE7308

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DASH NO	"C"	"AG"	"BS"	DRAWING REVISION C	REVISION BY BS	REV DATE/© DATE 19/05/2022	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY SAS	<div>Regal Beloit America, Inc.</div>				
				REQUEST NUMBER CR-0009062	APPROVED BY GNK	DATE 19/05/2022		DATE 10/09/2020					
800	11.97	9.85	3.945	REQUEST NUMBER DESCRIPTION OUTLINE DESCRIPTION IS UPDATED			APPROVED BY CD	DESCRIPTION OUTLINE 143/145TC TENV BOLT ON BASE F3					
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850	12.47	10.35	4.445				DATE 10/09/2020	REFERENCE	MATERIAL		PROCESS/FINISH		
								THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS621077		SHEET 1 OF 1



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		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		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
					±7'30"		PREV	
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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
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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 : 145THTBD5329

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

Catalog No : Y366A

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

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