

# PRODUCT INFORMATION PACKET



Model No: 145THTR5329

Catalog No: Y366

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



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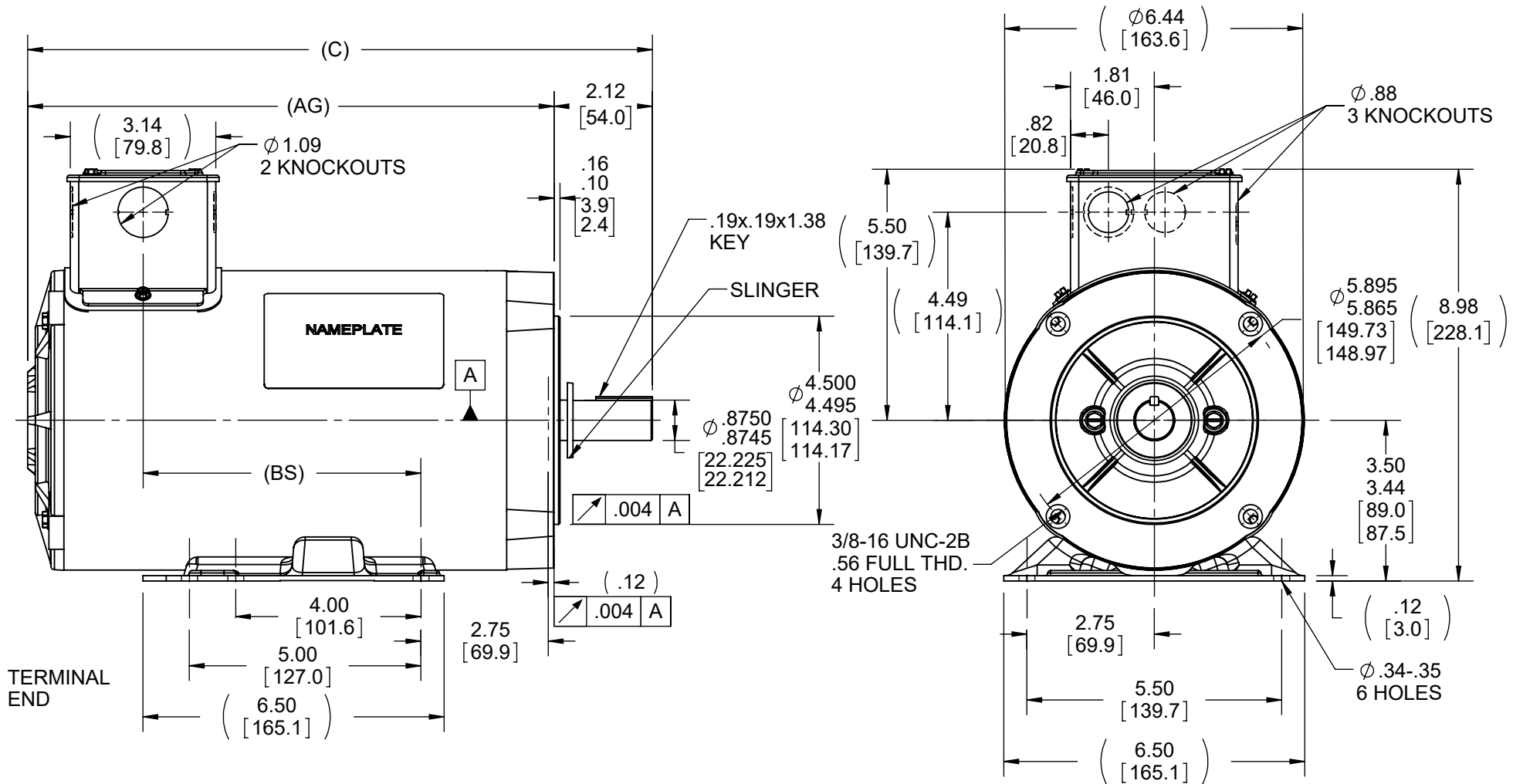
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>1.50 Hp</b>
Output KW	<b>1.1 kW</b>	Voltage	<b>230/460 V</b>
Speed	<b>1755 rpm</b>	Service Factor	<b>1.0</b>
Frame	<b>145TC</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>85.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>4.8/2.4 A</b>	Power Factor	<b>69</b>
Duty	<b>Continuous</b>	Insulation Class	<b>H</b>
Design Code	<b>INV</b>	KVA Code	<b>R</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Duty</b>	Starting Method	<b>Inverter Only</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>6.65 Ohms</b>	Mounting	<b>Bolt-on Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>13.48 in</b>
Frame Length	<b>9.56 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.12 in</b>	Assembly/Box Mounting	<b>F3</b>
Inverter Load	<b>CONSTANT 1000:1</b>		
Connection Drawing	<b>EE7308</b>	Outline Drawing	<b>104963-956</b>





NOTE:  
CONDUIT BOX CAN BE ROTATED IN 180° STEPS

DASH	FRAME	C	AG	BS	DASH	FRAME	C	AG	BS
706	140T	10.98	8.86	3.44	856	140T	12.48	10.36	4.94
756	140T	11.48	9.36	3.94	906	140T	12.98	10.86	5.44
806	140T	11.98	9.86	4.44	956	140T	13.48	11.36	5.94

DRAWING REVISION 5	REVISION BY KVDG	REV DATE/© DATE 05-21-2025
REQUEST NUMBER ECR-0242944	APPROVED BY DS	DATE 05-21-2025

TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7° 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°  
CORNER FILLETS: R.02 [.5]  
MACHINED SURFACES: 200/ INCH  $\sqrt{\text{mm}}$  5.1

mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY TJB
DATE 05-07-2001
APPROVED BY SAS
DATE 06-22-2001
REFERENCE A-100106
THIRD ANGLE PROJECTION

**Regal Rexnord** Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
140T FR. - TENV - C' FACE

MATERIAL  
PROCESS/FINISH

SIZE  
**A**

DRAWING NUMBER  
**104963**

SHEET  
**1 OF 1**

REQUEST NUMBER DESCRIPTION  
UPDATED TO RRX TEMPLATE.

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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				
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 ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



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

DATE: 06/23/2017 02:06:20 AM  
FORM 3531 REV.3 02/07/99  
\*\* Subject to change without notice.

Data Sheet

Date: 6/19/2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



145THTR5329

Submittal

Data @ 460 V

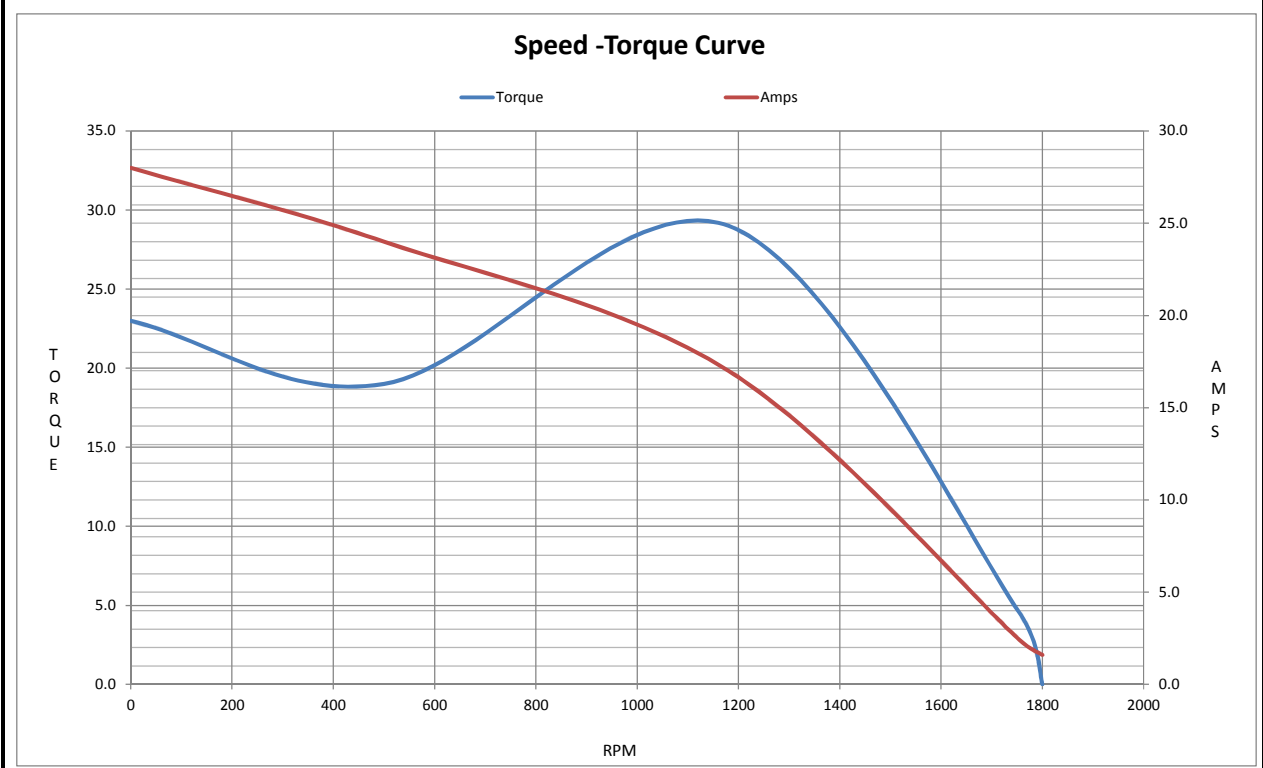
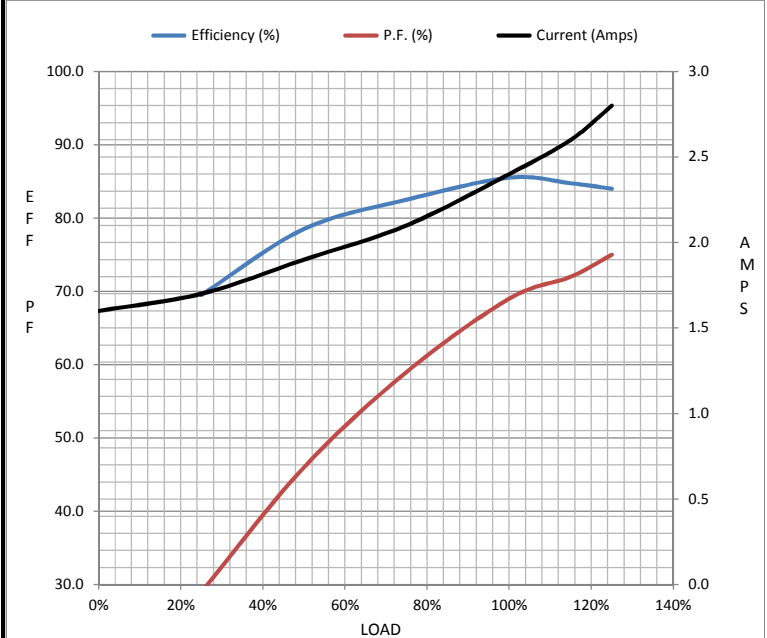
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.60	1.70	1.90	2.10	2.40	2.60	2.80	28.0
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	5.1	5.6	23.0
RPM	1800	1788	1778	1768	1755	1,751	1745	0
Efficiency (%)		69.5	78.5	82.5	85.5	84.8	84.0	
P.F. (%)	9.0	29.0	46.0	59.0	69.0	72.0	75.0	68.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	500	1180	1755	1800
Current (Amps)	28.0	24.0	17.0	2.40	1.60
Torque (ft-lb)	23.0	19.0	29.0	4.5	0.00

Information Block				
HP	1.5			
Sync. RPM	1800			
Frame	145			
Enclosure	TENV			
Construction	TTR			
Voltage	230/460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	R			
Service Factor	1.15			
Temp Rise @ FL	80 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.14 Lb-Ft <sup>2</sup>			
Ref Wdg	ZT4118 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 1000:1			
Outline Dwg	A-104963-956			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
4.2570	3.5380	5.9980	5.8840	161.0090



## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
1946 West Cook Road  
Fort Wayne, IN 46818

and the authorized representative  
established within the Community:

Regal Beloit Italy  
Via Modena, 18  
24040 Ciserano(BG) - Italy

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 : 145THTR5329

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

Catalog No : Y366

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:



Zach Stauffer  
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi  
Technology Director, Engineering

Created on 07/08/2025

**CE 25**