PRODUCT INFORMATION PACKET



Model No: 145TTFR16105 Catalog No: C236B

XRI® General Purpose General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 145TC Frame,

TEFC







Product Information Packet: Model No: 145TTFR16105, Catalog No:C236B XRI® General Purpose General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 145TC Frame, TEFC



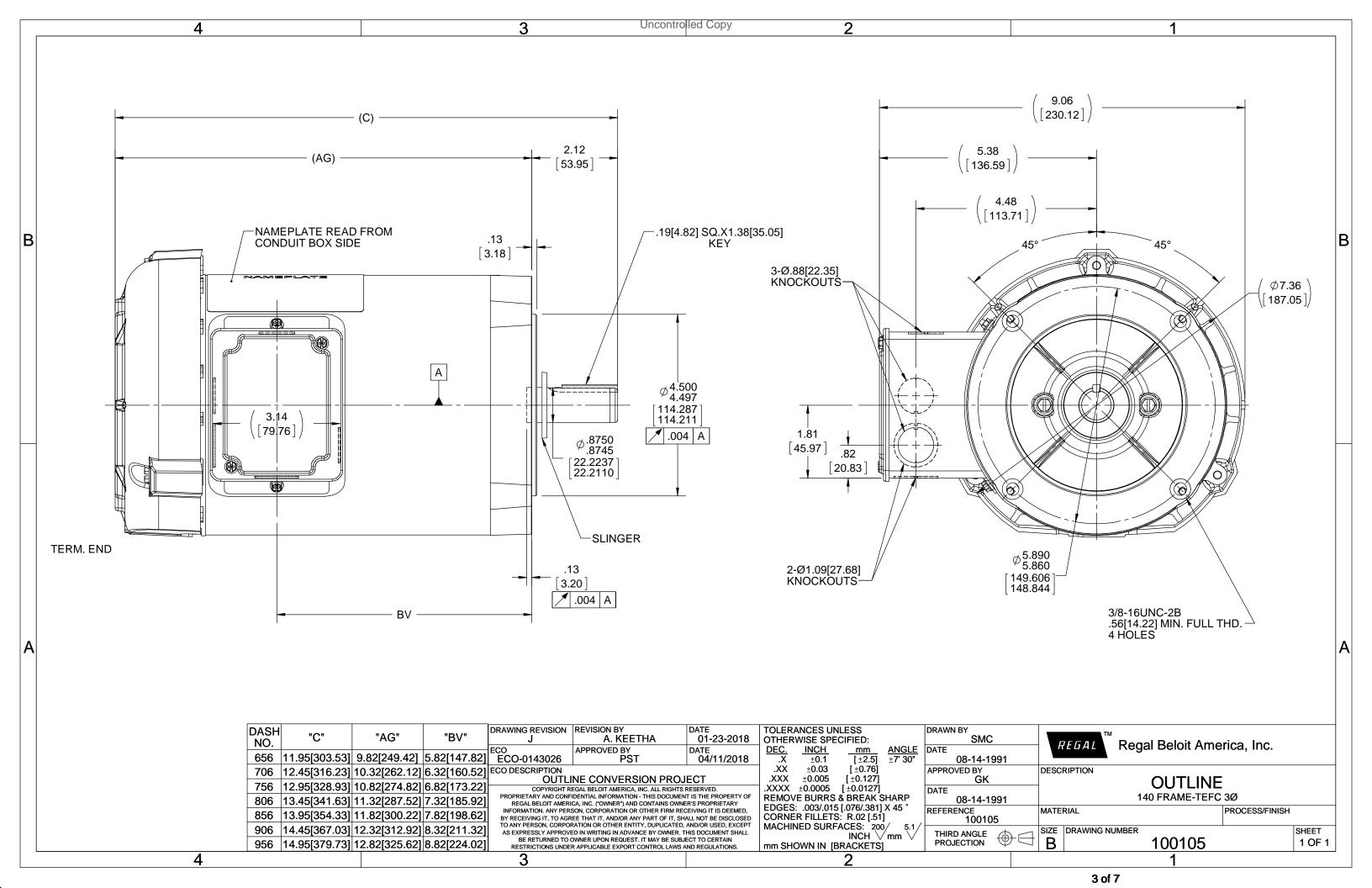
Nameplate Specifications

3 Hp	Output KW	2.2 kW
60 Hz	Voltage	230/460 V
7.6/3.8 A	Speed	3505 rpm
1.15	Phase	3
87.5 %	Power Factor	84
Continuous	Insulation Class	F
Α	KVA Code	М
145TC	Enclosure	Totally Enclosed Fan Cooled
No Protection	Ambient Temperature	40 °C
6205	Opp Drive End Bearing Size	6203
Recognized	CSA	Υ
Υ	IP Code	43
1		
	60 Hz 7.6/3.8 A 1.15 87.5 % Continuous A 145TC No Protection 6205 Recognized	60 Hz Voltage 7.6/3.8 A Speed 1.15 Phase 87.5 % Power Factor Continuous Insulation Class A KVA Code 145TC Enclosure No Protection Ambient Temperature 6205 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	4.04 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	14.37 in
Frame Length	9.06 in	Shaft Diameter	0.875 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7308	Outline Drawing	A-100105-906

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CERTIFICATION DATA SHEET

 Model#:
 145TTFR16105 AA
 WINDING#:
 ZT2175 FR 1

 CONN. DIAGRAM:
 EE7308
 ASSEMBLY:
 F1 ONLY

OUTLINE: A-100105-906

TYPICAL MOTOR PERFORMANCE DATA

ļ	HP		KW	SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN
	3&2	2.2	1&1.49		3600	3505&2930	145TC	TEF	С		М	Α
	PH	Hz	vc	LTS	FL AMPS	START TYPE	DUTY	INSL	S.	.F	AMB°C	ELEVATION

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	7.6/3.8&6.4/3.	ACROSS THE	CONTINUOU	F3	1.15/1.15	40	3300
		380	2	LINE	S				

FULL LOAD EFF: 87.5&87.5	3/4 LOAD EFF: 87.9	1/2 LOAD EFF: 85.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84&80	3/4 LOAD PF: 78.4	1/2 LOAD PF: 67.3	85.5	SQ CAGE IND RUN	3.4 / 1.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	73.8 / 36.9	17.29 LB-FT 384	22.7 LB-FT 504	57

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.045 LB-FT^2	5 LB-FT^2	10 SEC.	2	43.6 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1144	ROLLED STEEL
6205	6203					STRESSPROOF	
0200	0200					(C-223)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS PROTECTORS WDG RTDs E		BRG RTDs				
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE

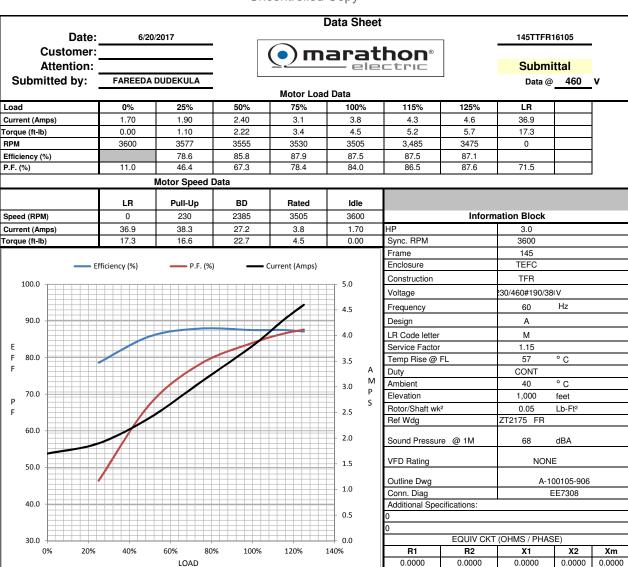
ENCODER: NONE NONE NONE NONE NONE PPR

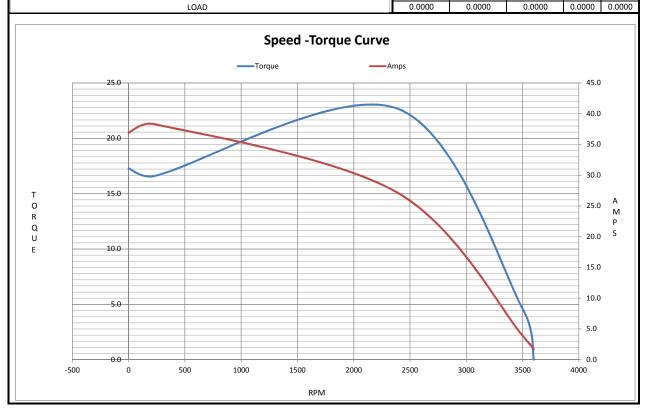
BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

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DATE: 06/23/2017 07:39:53 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.







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: 145TTFR16105

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

Catalog No: C236B

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

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

Michael A Logsdon

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

Authorized Representative:

<u>Authorized Representative in the Community:</u>

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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