PRODUCT INFORMATION PACKET

Model No: 121181.00 Catalog No: 121181.00

General Purpose Motor, 2 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 145TC Frame, TEFC



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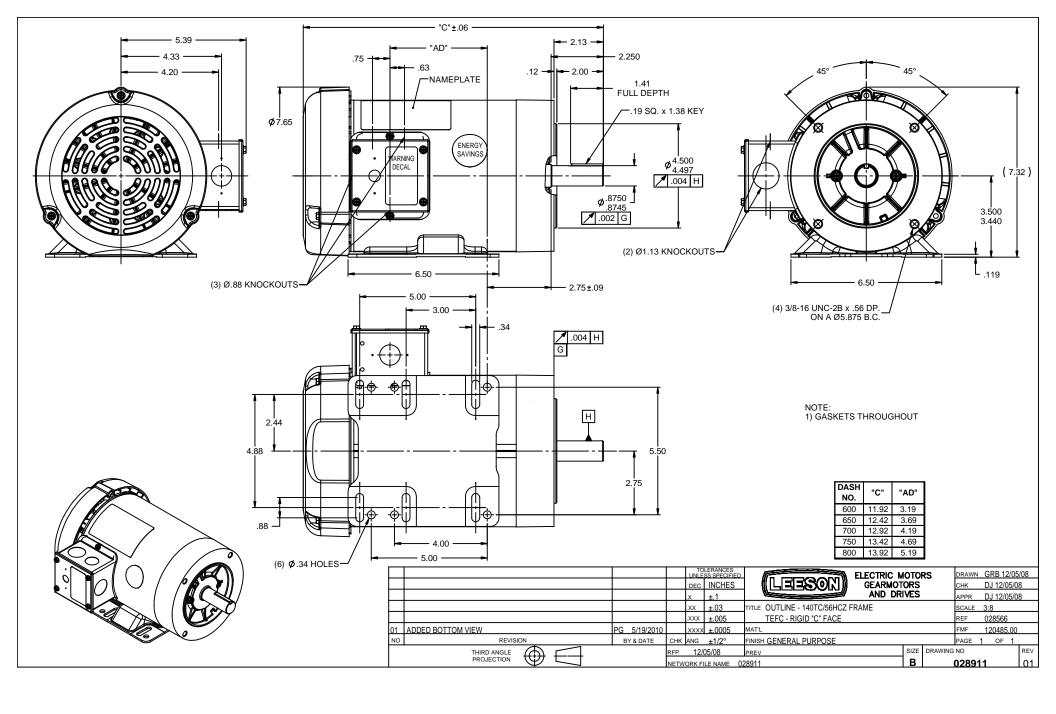
Nameplate Specifications

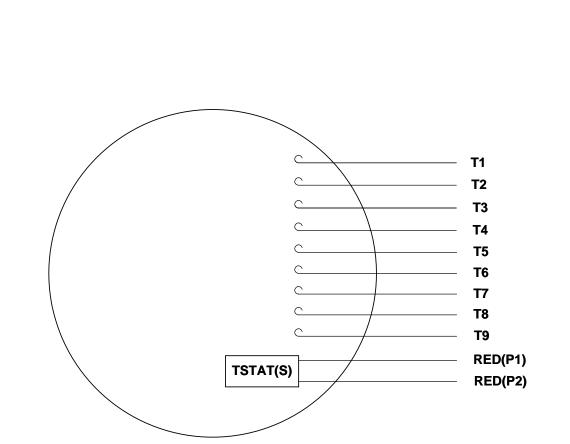
2 Hp	Output KW	1.5 kW
60 Hz	Voltage	230/460 V
5.8/2.9 A	Speed	1745 rpm
1.25	Phase	3
86.5 %	Power Factor	75.6
Continuous	Insulation Class	F
В	KVA Code	L
145TC	Enclosure	Totally Enclosed Fan Cooled
Thermostat	Ambient Temperature	40 °C
6205	Opp Drive End Bearing Size	6203
Recognized	CSA	Υ
Υ	IP Code	43
1		
	60 Hz 5.8/2.9 A 1.25 86.5 % Continuous B 145TC Thermostat 6205 Recognized	60 Hz Voltage 5.8/2.9 A Speed 1.25 Phase 86.5 % Power Factor Continuous Insulation Class B KVA Code 145TC Enclosure Thermostat Ambient Temperature 6205 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

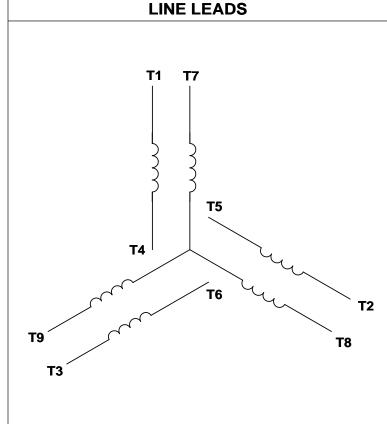
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	6 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	13.92 in
Frame Length	8.00 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028911-800	Connection Drawing	005010.20

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	Т3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	Т3,Т9	T4,T5,T6

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO	APPROVED BY	DATE
ECO-0121253	SM	04/05/2017
ECO DESCRIPTION		

ADDED P1 & P2 FOR TSTAT

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TOLERANG	CES UNI	ESS	
OTHERWIS	SE SPEC	CIFIED:	
DEC. I	NCH	mm	ANGLE
X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX ±			
.XXXX ±0	.0005	[±0.0127]	
REMOVE E	BURRS 8	BREAK S	HARP
EDGES: .0	003/.015	[.076/.381]	X 45°
CORNER F	FILLETS:	R.02 [.51]
MACHINE	SURFA		
		INCH ∨	$^{\prime}$ mm $^{\vee}$
mm SHOW	'N IN [BI	RACKETS]	

<u>=</u>	DRAWN BY DBT 12/16/97 DATE	REGAL ™ Regal Beloit America, Inc.	
	APPROVED BY KH 12/17/97 DATE	DESCRIPTION CONN DIAGRAM-EXTERNA 3 PHASE WITH PROTECTOR	<u>L</u>
,	REFERENCE	MATERIAL PROCESS/FINISH DECAL - 004014 (TSTAT) - 080582 PROCESS/FINISH	(
/	THIRD ANGLE PROJECTION	A DRAWING NUMBER 00501020	SHEET 1 OF 1

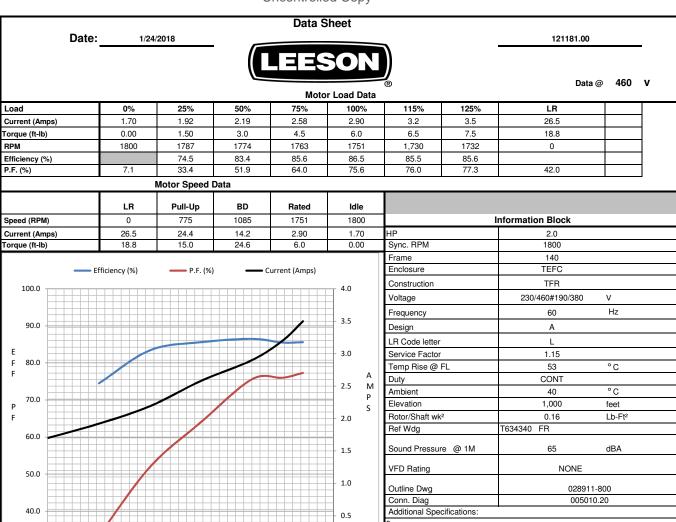


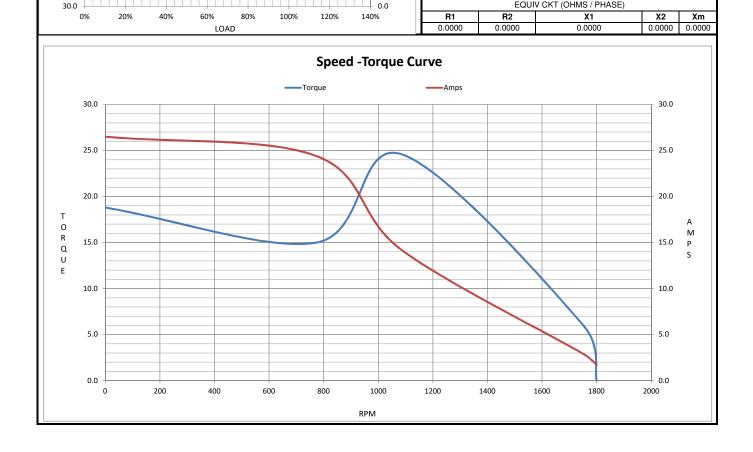
P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET CONN. DIAGRAM: 005010.20 CAT #: 121181.00 OUTLINE: 028911-800 WINDING: T634340 FR **TYPICAL MOTOR PERFORMANCE DATA** ΗP ΚW SYNC RPM FL RPM FRAME **ENCLOSURE** TYPE **KVA CODE** DESIGN 1.5 1751 145TC **TEFC** TFR В 1800 PH ΗZ VOLTS AMPS START TYPE DUTY INSL AMB ELEV. S.F. 60/50 230/460#190/380 6/3&6.8/3.4 ACROSS THE LINE CONT F 1.15 40 3300 F.L. EFF 86.5 3/4 LD EFF 85.6 1/2 LD EFF 83.4 GTD EFF **ELECT. TYPE** F.L. PF 3/4 LD PF 1/2 LD PF SQ CAGE IND RUN 75.6 64.0 51.9 84.0 F.L. TORQUE **LR AMPS** @ 460 V L.R. TORQUE **B.D. TORQUE** F.L. RISE (°C) 410% LB-FT 26.5 18.8 LB-FT 313% 24.6 LB-FT 6.0 53 PRESSURE @ 3 STARTS/HOUR MOTOR WGT **POWER ROTOR WK²** MAX. LOAD WK² SAFE STALL TIME 65 dBA 74 dBA 0.16 LB-FT² LB-FT² 10 SEC. 0 **LB**. 3 *** SUPPLEMENTAL INFORMATION *** DE BRACKET MOUNT MOTOR SEVERE **HAZARDOUS** DRIP **SCREENS** ODE BRACKET TYPE **TYPE** ORIENTATION DUTY LOCATION COVER **TYPE** PAINT C-FACE STANDARD RIGID HORIZONTAL NONE NONE N - LEESON WATTS NO NO BEARINGS **GREASE SHAFT TYPE** SPECIAL DE SPECIAL ODE SHAFT **MATERIAL** FRAME MATERIAL DE ODE BALL BALL POLYREX EM Т NONE NONE 1144 STRESSPROOF (C-223) **ROLLED STEEL** 6205 6203 SPACE **HEATERS** THERMOSTATS **PROTECTORS** WDG RTD's **BRG RTD's THERMISTORS** CONTROL AUTOMATIC NONE NA TSTATS (N/C) NONE NONE FALSE VIBRATION (in/sec) FLOAT R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/ph) X2 (ohms/ph) Xm (ohms/ph) 0.080 ODE O 0 0 0 0 **INVERTER TORQUE: NONE** Ν 0 INV. HP SPEED RANGE: NONE Т **ENCODER: NONE** Ε s NONE NONE NONE PPR **BRAKE: NONE** NONE NONE DATE: 1/24/2018 FT-LB: NA VOLTAGE: NONE HZ:

UL: Y-(LEESON UL REC)





EQUIV CKT (OHMS / PHASE)



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: 121181.00

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

Catalog No : 121181.00

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:

J. Clix

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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