# PRODUCT INFORMATION PACKET



Model No: LM17196 Catalog No: LM17196

Special Voltage Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 256TC Frame, TEFC



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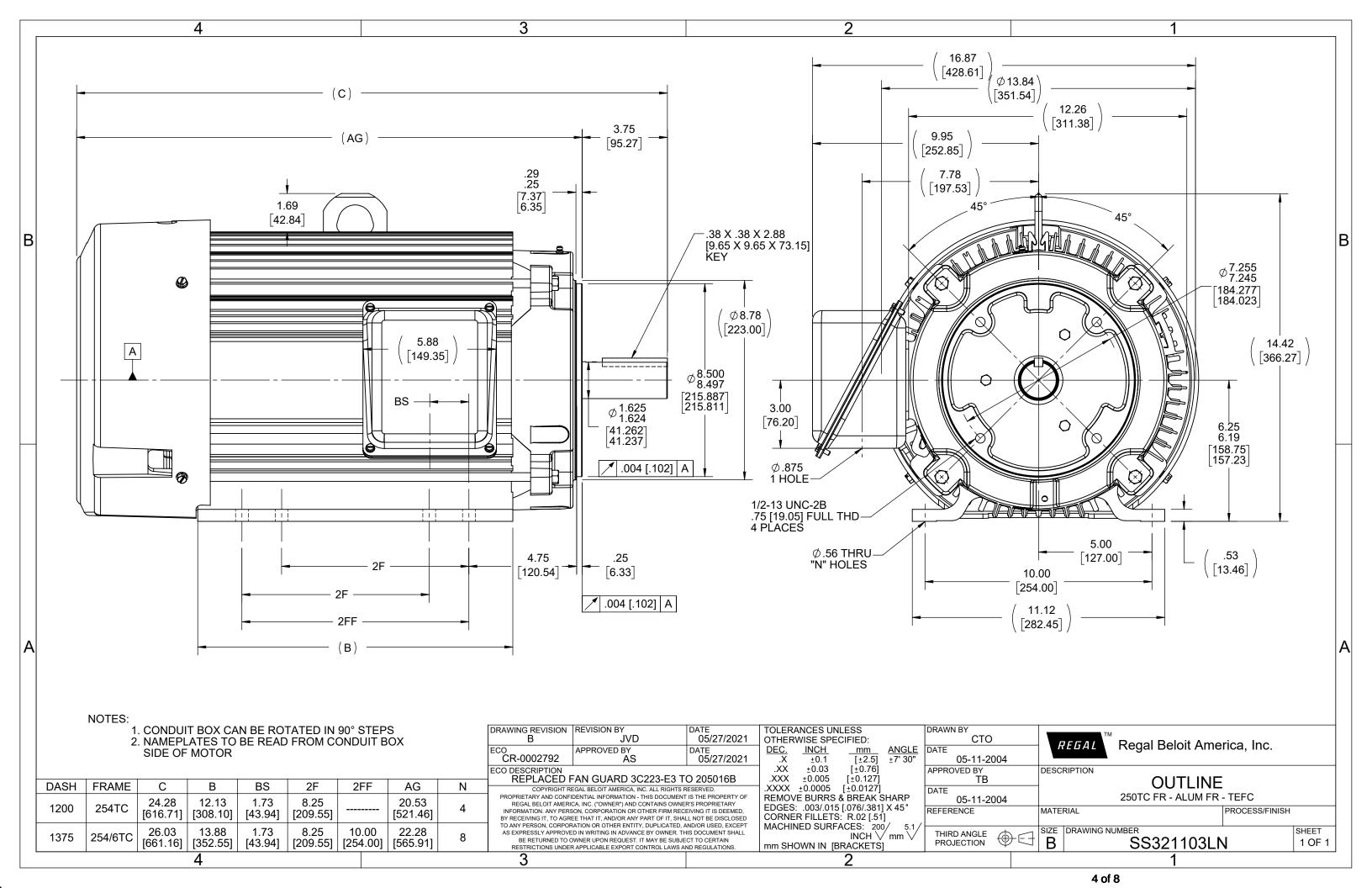
## Nameplate Specifications

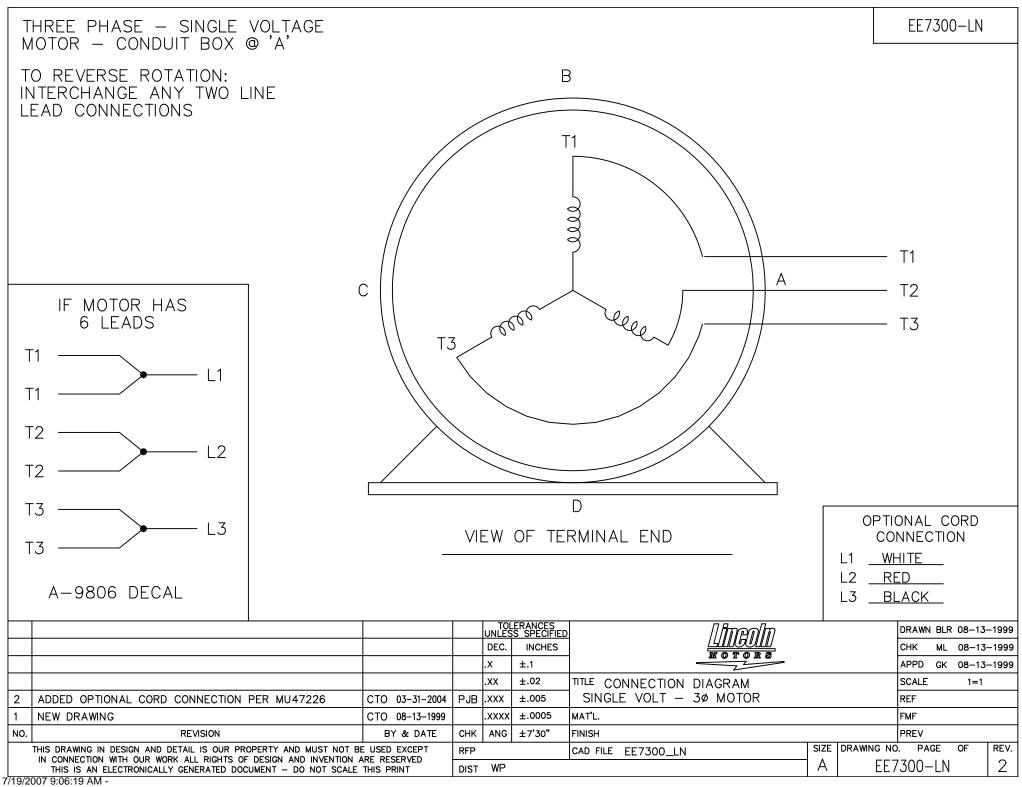
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	19.3 A	Speed	1775 rpm
Service Factor	1.25	Phase	3
Efficiency	93 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	256TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.474 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	25.75 in
Frame Length	13.88 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7300-LN	Outline Drawing	SS321103LN-1375

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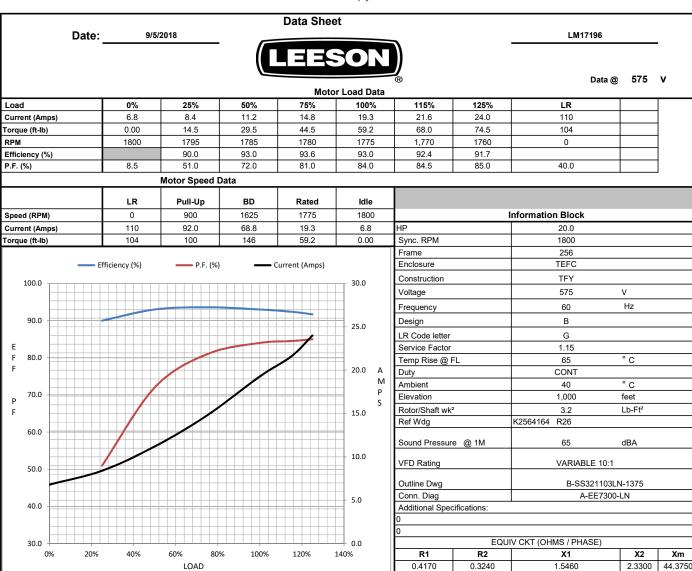


1051 CHEYENNE AVE. GRAFTON, WI 53024 PH. 262-277-8810

DATA VOLTS: 460

#### **CERTIFICATION DATA SHEET**

CONN. DIAGRAM: A-EE7300-LN CAT #: LM17196 OUTLINE: B-SS321103LN-1375 WINDING: K2564164 R26 3 TYPICAL MOTOR PERFORMANCE DATA SYNC RPM KVA CODE HP ĸw FL RPM FRAME **ENCLOSURE** TYPE DESIGN 14.9 TFY 20 1800 1775 256TC **TEFC** G В PH ΗZ VOLTS AMPS START TYPE DUTY INSL S.F. AMB ELEV. 60 575 19.3 LINE OR INVERTER CONT F 1.15 40 3300 GTD EFF 3/4 LD EFF 1/2 LD EFF ELECT. TYPE F.L. EFF 93.0 93.6 93.0 F.L. PF 84.0 3/4 LD PF 81.0 1/2 LD PF 72.0 92.4 SQ CAGE INV RATED LR AMPS @ 460 V F.L. RISE (° C) F.L. TORQUE L.R. TORQUE **B.D. TORQUE** 146 LB-FT 247% 59.2 LB-FT 110 104 LB-FT 176% 65 PRESSURE @ 3 SOUND POWER ROTOR WK<sup>2</sup> MAX. LOAD WK<sup>2</sup> SAFE STALL TIME STARTS/HOUR MOTOR WGT LB-FT<sup>2</sup> 125 **LB-FT**<sup>2</sup> 425 LB. dBA 74 dBA 3.2 SEC. \*\*\* SUPPLEMENTAL INFORMATION \*\*\* MOUNT HAZARDOUS DRIP DE BRACKET MOTOR SEVERE **TYPE ODE BRACKET TYPE** TYPE ORIENTATION DUTY LOCATION COVER **SCREENS** PAINT C-FACE RIGID HORIZONTAL NO NONE WATTSAVER STANDARD NO NONE BEARINGS **GREASE** SHAFT TYPE SPECIAL DE SPECIAL ODE SHAFT MATERIAL FRAME MATERIAL DE ODE BALL BALL POLYREX EM NONE NONE 1045 HOT ROLLED (C-204) ALUMINUM Т 6208 6309 SPACE **HEATERS PROTECTORS THERMISTORS** THERMOSTATS WDG RTD's **BRG RTD's** CONTROL NONE NA NONE NOT NONE NONE **FALSE** R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/ph) X2 (ohms/ph) Xm (ohms/ph) VIBRATION (in/sec) FLOAT 0.417 0.324 1.546 2.33 44.375 0.150 ODE N **INVERTER TORQUE: VARIABLE 10:1** INV. HP SPEED RANGE: NONE 0 Т Ε ENCODER: NONE NONE s NONE NONE PPR BRAKE: NONE NONE NONE 9/5/2018 DATE: FT-LB: NA VOLTAGE: NONE HZ: UL: V-INS, CONST UL REC







# **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: LM17196

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

Catalog No: LM17196

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:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer

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