PRODUCT INFORMATION PACKET

Model No: LM22839 Catalog No: LM22839

Speed Ratio Motors, TEFC, 15 HP, 3 Ph, 60 Hz, 230/460 V, 1770 RPM, 254TC Frame



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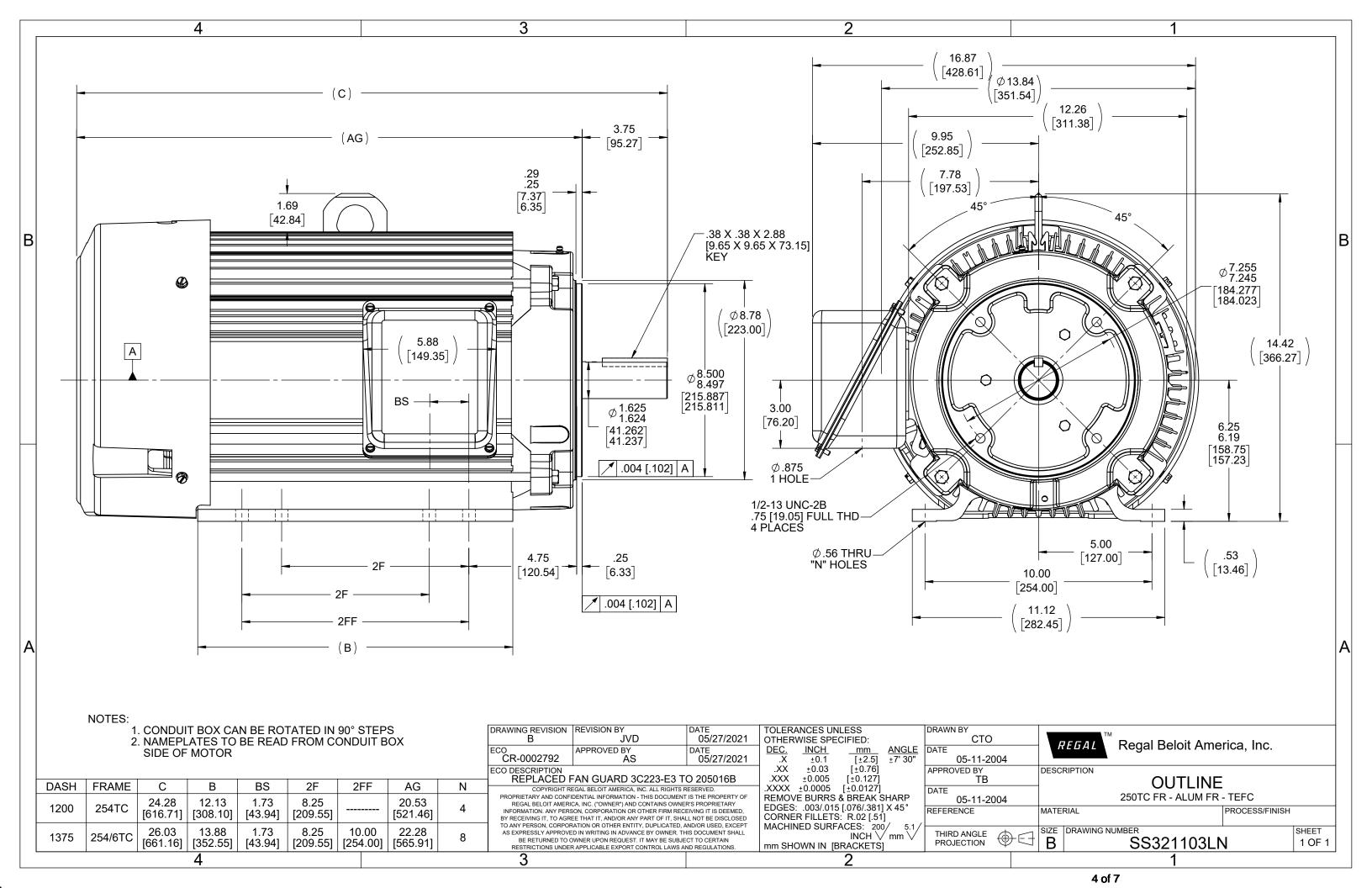
Nameplate Specifications

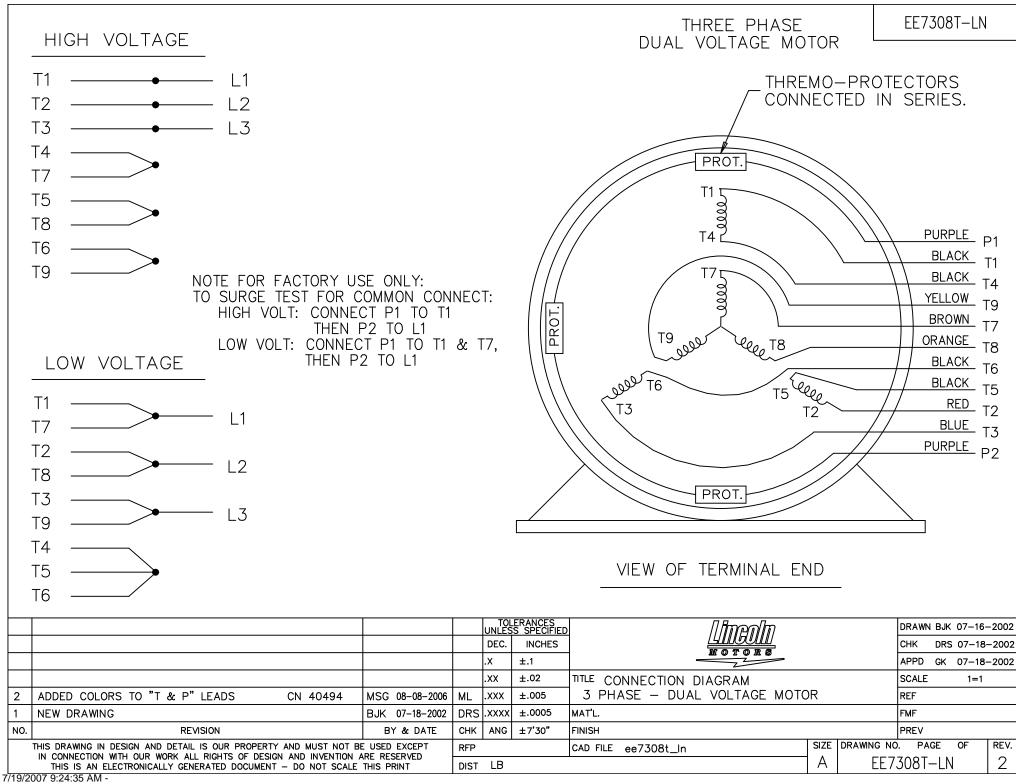
Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	39.0/19.5 A	Speed	1770 rpm
Service Factor	1	Phase	3
Efficiency	91 %	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	G
Frame	254TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	208
UL	Recognized	CSA	Υ
CE	Υ	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	.69 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	24.00 in
Frame Length	12.13 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 4:1		
Connection Drawing	A-EE7308T-LN	Outline Drawing	B-SS321103LN-1200

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308T-LN CAT #: LM22839 OUTLINE: B-SS321103LN-1200 WINDING: K2544169 R3 2 TYPICAL MOTOR PERFORMANCE DATA SYNC RPM KVA CODE HP ĸw FL RPM FRAME **ENCLOSURE** TYPE DESIGN TFY INC 15 11.2 1800 1770 254TC **TEFC** G PH ΗZ VOLTS AMPS START TYPE DUTY INSL S.F. AMB ELEV. 60 230/460 39/19.5 INVERTER ONLY CONT F 1.15 40 3300 GTD EFF 3/4 LD EFF 1/2 LD EFF ELECT. TYPE F.L. EFF 91.0 92.0 91.0 F.L. PF 79.0 3/4 LD PF 73.0 1/2 LD PF 61.0 89.5 SQ CAGE INV DUTY LR AMPS @ 460 V F.L. TORQUE L.R. TORQUE **B.D. TORQUE** F.L. RISE (° C) 128 LB-FT 44.5 LB-FT 108 87.0 LB-FT 196% 288% 60 PRESSURE @ 3 SOUND POWER ROTOR WK² MAX. LOAD WK² SAFE STALL TIME STARTS/HOUR MOTOR WGT LB-FT² LB-FT² 300 LB. dBA 77 dBA 2.10 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 208 309 SPACE **HEATERS PROTECTORS THERMISTORS** THERMOSTATS WDG RTD's **BRG RTD's** CONTROL NONE NA TSTATS (N/C) NOT NONE NONE **FALSE** R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/ph) X2 (ohms/ph) Xm (ohms/ph) VIBRATION (in/sec) FLOAT 0.444 0.238 1.408 1.629 28.142 0.150 ODE N **INVERTER TORQUE: CONSTANT 4:1** INV. HP SPEED RANGE: NONE 0 Т Ε ENCODER: NONE NONE s NONE NONE PPR BRAKE: NONE NONE NONE 9/10/2018 DATE: FT-LB: NA VOLTAGE: NONE HZ: UL: V-INS, CONST UL REC

