## PRODUCT INFORMATION PACKET

Model No: LM21204 Catalog No: LM21204

Speed Ratio Motors, TEFC, 20 HP, 3 Ph, 60 Hz, 230/460 V, 3530 RPM, 256T Frame



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E



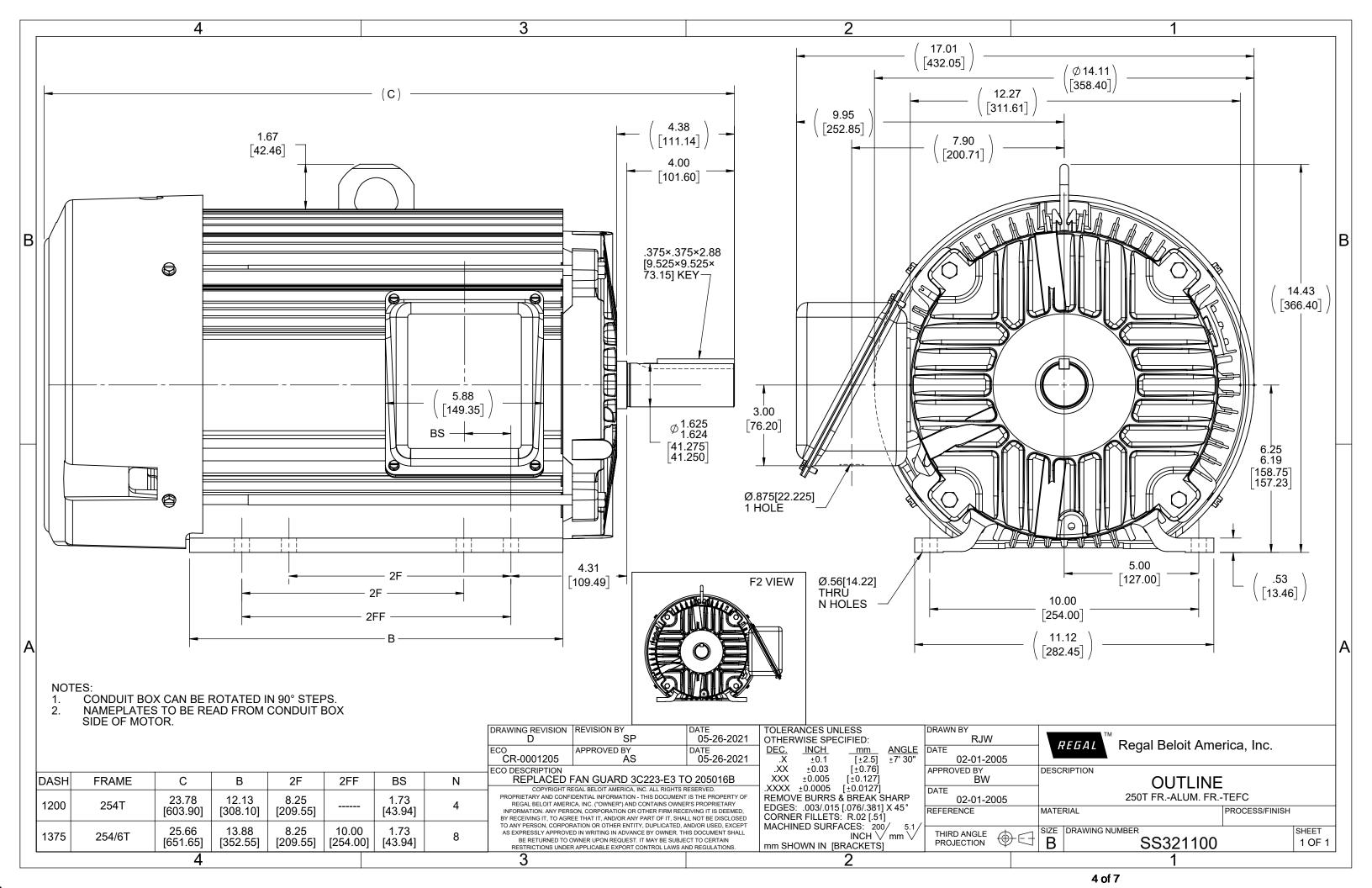
## Nameplate Specifications

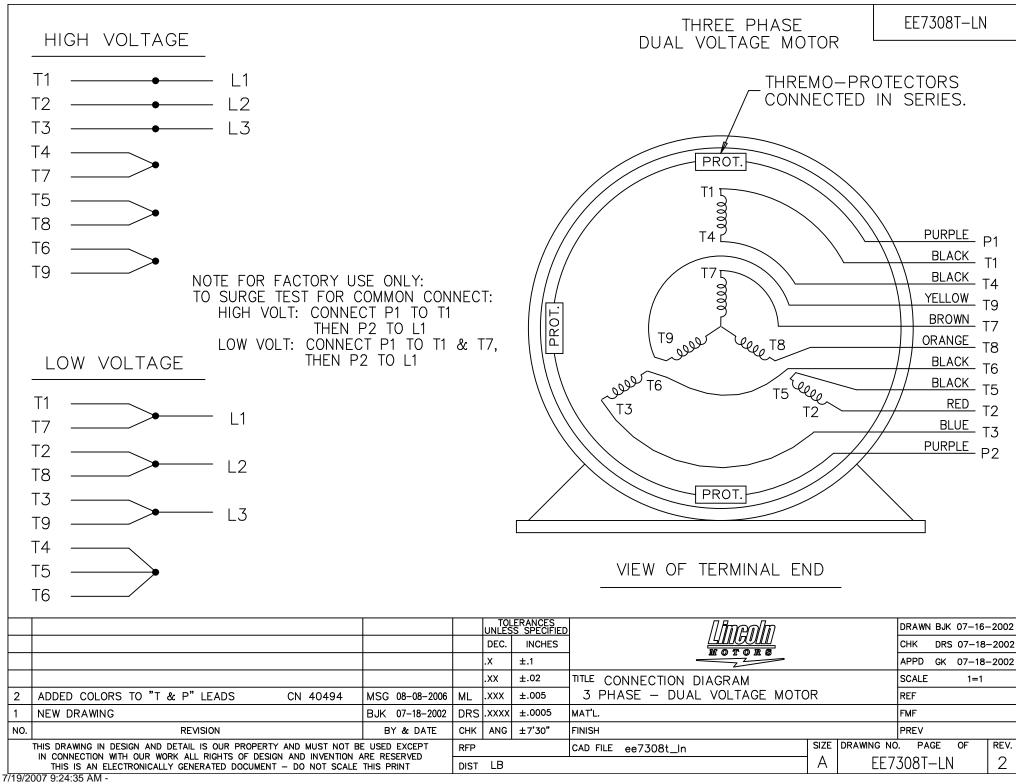
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	47.0/23.5 A	Speed	3530 rpm
Service Factor	1	Phase	3
Efficiency	90.2 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	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 Duty	Starting Method	Inverter Only
Poles	2	Rotation	Reversible
Resistance Main	.398 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	25.26 in
Frame Length	13.88 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 4:1		
Outline Drawing	B-SS321100-1375	Connection Drawing	A-EE7308T-LN

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:05/18/2022







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

DATA VOLTS: 460

## **CERTIFICATION DATA SHEET**

CONN. DIAGRAM: A-EE7308T-LN CAT #: LM21204 OUTLINE: B-SS321100-1375 WINDING: K2562124 R10 6 TYPICAL MOTOR PERFORMANCE DATA SYNC RPM KVA CODE HP ĸw FL RPM FRAME **ENCLOSURE** TYPE DESIGN TFY INC 20 14.9 3600 3530 256T **TEFC** G PH ΗZ VOLTS AMPS START TYPE DUTY INSL S.F. AMB ELEV. 60 230/460 47/23.5 INVERTER ONLY CONT F 1.15 40 3300 GTD EFF 3/4 LD EFF 1/2 LD EFF ELECT. TYPE F.L. EFF 90.2 91.0 90.2 F.L. PF 87.5 3/4 LD PF 85.0 1/2 LD PF 78.5 88.5 SQ CAGE INV DUTY LR AMPS @ 460 V F.L. RISE (° C) F.L. TORQUE L.R. TORQUE **B.D. TORQUE** 30.0 LB-FT 145 52.0 LB-FT 173% 87.0 LB-FT 290% 50 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> LB-FT<sup>2</sup> 350 LB. dBA 84 dBA 1.25 SEC. \*\*\* SUPPLEMENTAL INFORMATION \*\*\* MOUNT HAZARDOUS DRIP DE BRACKET MOTOR SEVERE TYPE ODE BRACKET TYPE TYPE ORIENTATION DUTY LOCATION COVER **SCREENS** PAINT STANDARD 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 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 0.268 0.22 1.093 0.923 38.624 0.080 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 - LI,ME-INS,CONST UL REC

