# PRODUCT INFORMATION PACKET

Model No: LM21844

Catalog No: LM21844

Automotive Duty Motor, 5 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 254UC Frame, TEFC



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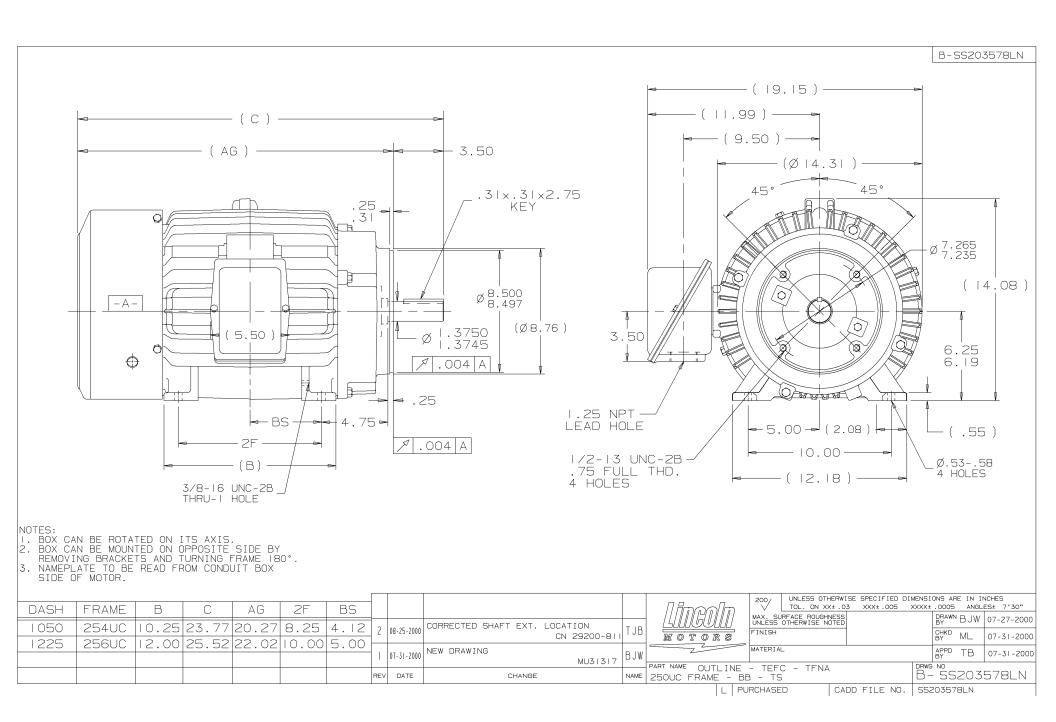
## Nameplate Specifications

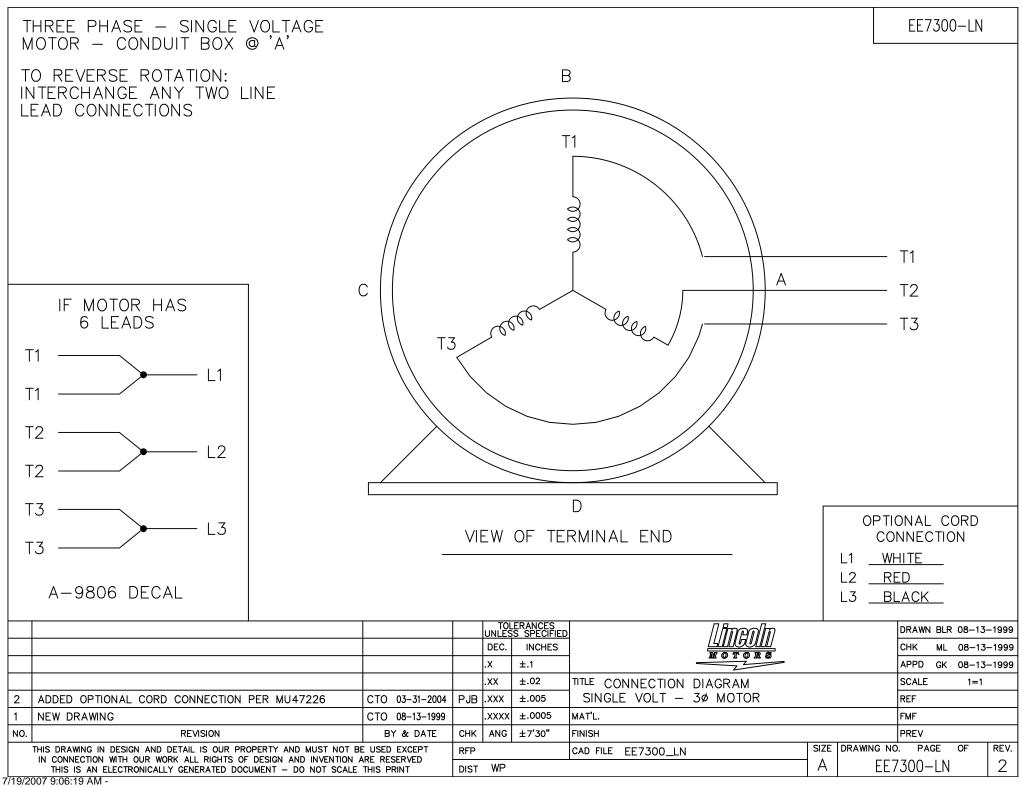
Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	460 V
Current	6.7 A	Speed	1175 rpm
Service Factor	1	Phase	3
Efficiency	90.2 %	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	н
Frame	254UC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	65 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

### **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	1.92 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	U	Overall Length	23.77 in
Frame Length	10.50 in	Shaft Diameter	1.375 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7300-LN	Outline Drawing	B-SS203578LN-1050

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#### **CERTIFICATION DATA SHEET**

# 2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

CONN. DIAGRAM: A-EE7300-LN

WINDING #: 254671 1 MOUNTING: F1/F2 CAPABLE

#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.73	1200	1175	254UC	TEFC	Н	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	460	6.7	ACROSS THE LINE	CONTINUOUS	F3	1.0	65

FULL LOAD EFF:	90.2	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	88.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	76	3/4 LOAD PF:	70	1/2 LOAD PF:	57	88.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE			F.L. RISE°C
22.4 <b>LB-FT</b>	46	48	LB-FT	214 %	69.5	LB-FT	310 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
56 <b>dBA</b>	66 <b>dBA</b>	2.5 <b>LB-FT^2</b>	80 <b>LB-FT^2</b>	30 <b>SEC.</b>	2	350 <b>LBS.</b>

#### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEAR	RINGS	GREASE	SHAFT TYPE   SPECIAL DE		SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	1.1	NONE	NONE	104F HOT DOLLED (C 204)	CACT IDON	
309	210	POLYREX EM	U	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	THERMO-PROTE	CTORS	THERMISTORS	CONTROL	CDACE HEATEDS		
THERMOSTATS	HERMOSTATS PROTECTORS WDG RTDs BRG RTDs			THERMISTORS	CONTROL	SPACE HEATERS	
NONE	NOT	NONE	NONE	NONE	FALSE	NONE <b>VOLTS</b>	

*	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
0	NONE NONE PPR
Т	BRAKE: NONE NONE
E	NONE P/N NONE NONE NONE
s	FT-LB V NONE Hz

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