PRODUCT INFORMATION PACKET

Model No: LM21088
Catalog No: LM21088
Automotive Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 286U Frame, TEFC



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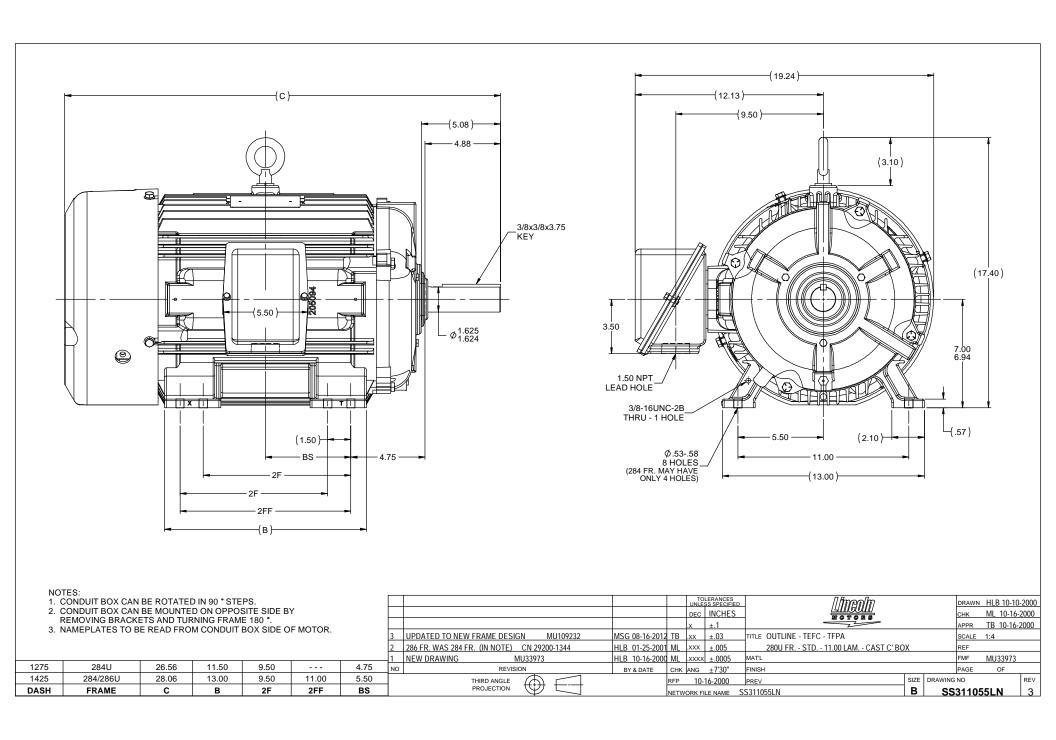
Nameplate Specifications

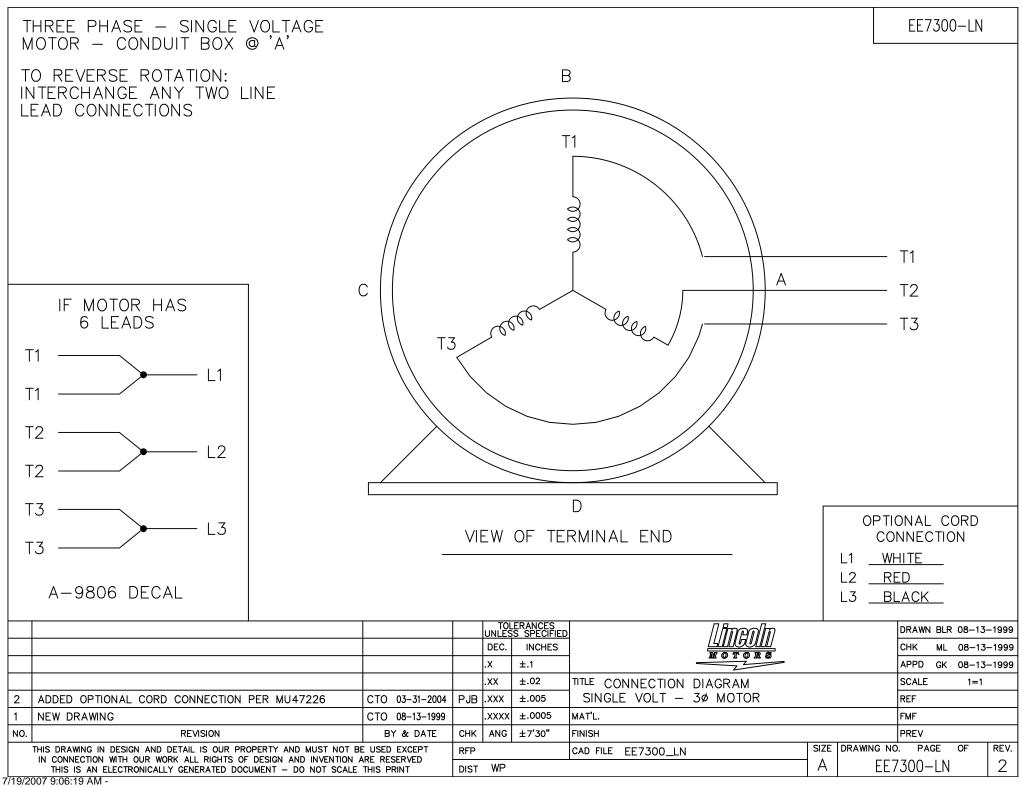
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	460 V
Current	23.4 A	Speed	3537 rpm
Service Factor	1	Phase	3
Efficiency	92.4 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	286U	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	65 °C
Drive End Bearing Size	311	Opp Drive End Bearing Size	210
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		
umber of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.394 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	28.06 in
Frame Length	14.25 in	Shaft Diameter	1.625 in
Shaft Extension	4.88 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS311055LN-1425	Connection Drawing	A-EE7300-LN

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

CONN. DIAGRAM: A-EE7300-LN

OUTLINE: B-SS311055LN-1425 CATALOG #: LM21088

WINDING #: K256288 R3 7 **MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	3600	3537	286U	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	460	23.4	ACROSS THE LINE	CONTINUOUS	F3	1.0	65

FULL LOAD EFF:	92.4	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	91	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	86	3/4 LOAD PF:	85	1/2 LOAD PF:	78	91	SQ CAGE IND RUN

Ī	F.L. TORQUE	LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TOR	F.L. RISE°C	
Ī	29.7 LB-FT	145	55	LB-FT	185 %	84	LB-FT	283 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	1.3 LB-FT^2	26 LB-FT^2	20 SEC.	2	480 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEAR	INGS	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	
311	210	POLYREX EM	U	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	THERMO-PROTECTORS			TUEDMICTORS	CONTROL	CDACE HEATEDS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
o	NONE NONE PPR
т	BRAKE: NONE NONE
Е	NONE P/N NONE NONE NONE
s	FT-LB V NONE Hz

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