PRODUCT INFORMATION PACKET

Model No: LM21893 Catalog No: LM21893

Automotive Duty Motor, 25 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 324USC Frame, TEFC



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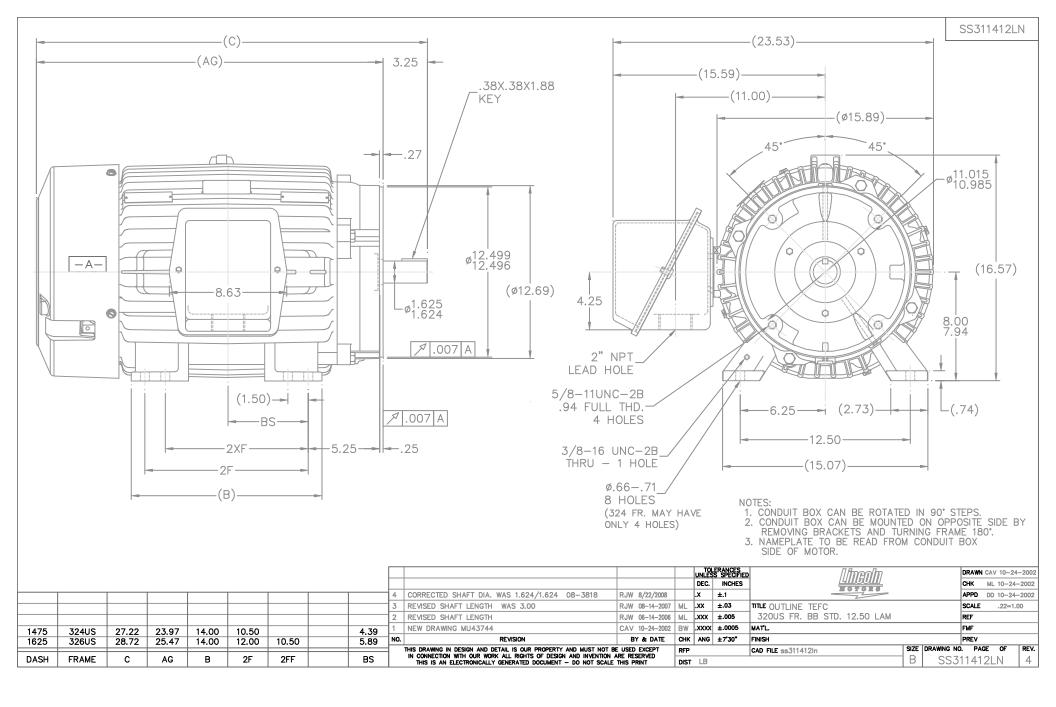
Nameplate Specifications

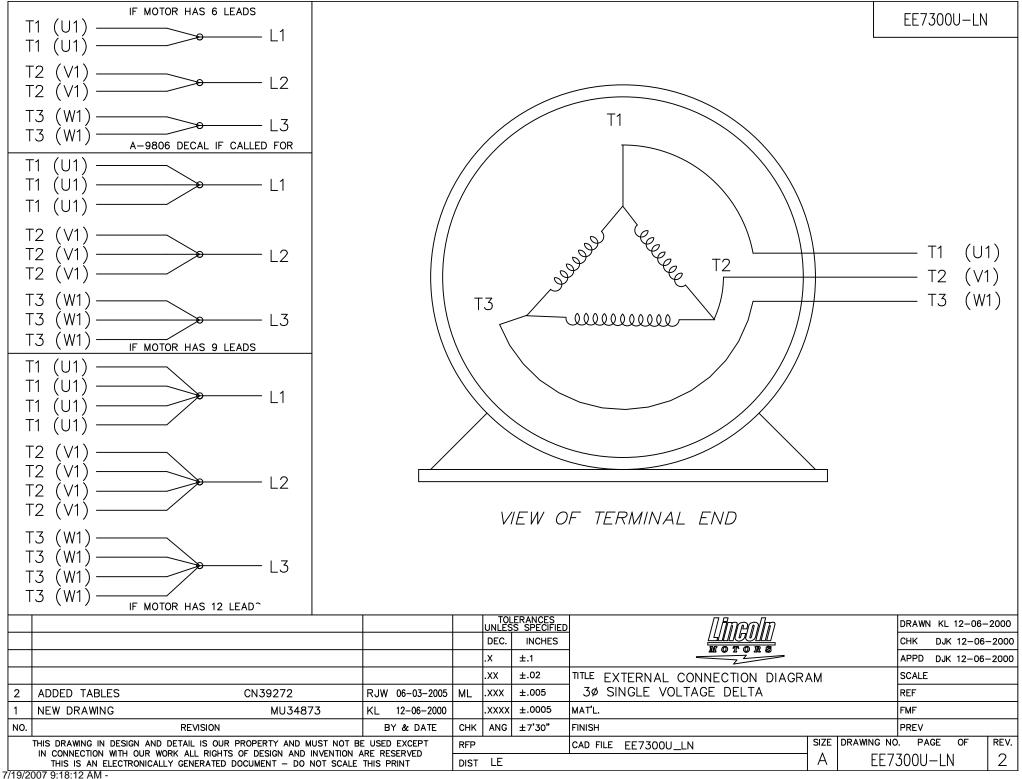
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	460 V
Current	28.1 A	Speed	3560 rpm
Service Factor	1	Phase	3
Efficiency	93.6 %	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	324USC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	65 °C
Drive End Bearing Size	312	Opp Drive End Bearing Size	311
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	2	Rotation	Reversible
Resistance Main	.356 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	US	Overall Length	27.22 in
Frame Length	14.75 in	Shaft Diameter	1.625 in
Shaft Extension	3.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS311412LN-1475	Connection Drawing	A-EE7300U-LN

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

CONN. DIAGRAM: A-EE7300U-LN

 OUTLINE:
 B-SS311412LN-1475
 CATALOG # : LM21893

 WINDING #:
 K284261 R4 7
 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25	18.7	3600	3560	324USC	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60	460	28.1	ACROSS THE LINE	CONTINUOUS	F3	1.0	65

FULL LOAD EFF:	93.6	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	89	3/4 LOAD PF:	87.5	1/2 LOAD PF:	81.5	93	SQ CAGE IND RUN

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORG	F.L. RISE°C	
37 LB-FT	180	55	LB-FT	148 %	104	LB-FT	281 %	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	2.7 LB-FT^2	32 LB-FT^2	20 SEC.	2	450 LBS.

*** 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	INGS	GREASE	SHAFT TYPE SPECIAL DE SPE		SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	ПС	NONE	NONE	104E HOT DOLLED (C 204)	CACT IDON	
312	311	POLYREX EM	US	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	CTORS	THERMISTORS	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
0	NONE NONE PPR
т	BRAKE: NONE NONE
E	NONE P/N NONE NONE NONE
S	NONE FT-LB NONE V NONE Hz

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