PRODUCT INFORMATION PACKET



Model No: LM80146 Catalog No: LM80146

Fire Pump Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 405T Frame,

DP





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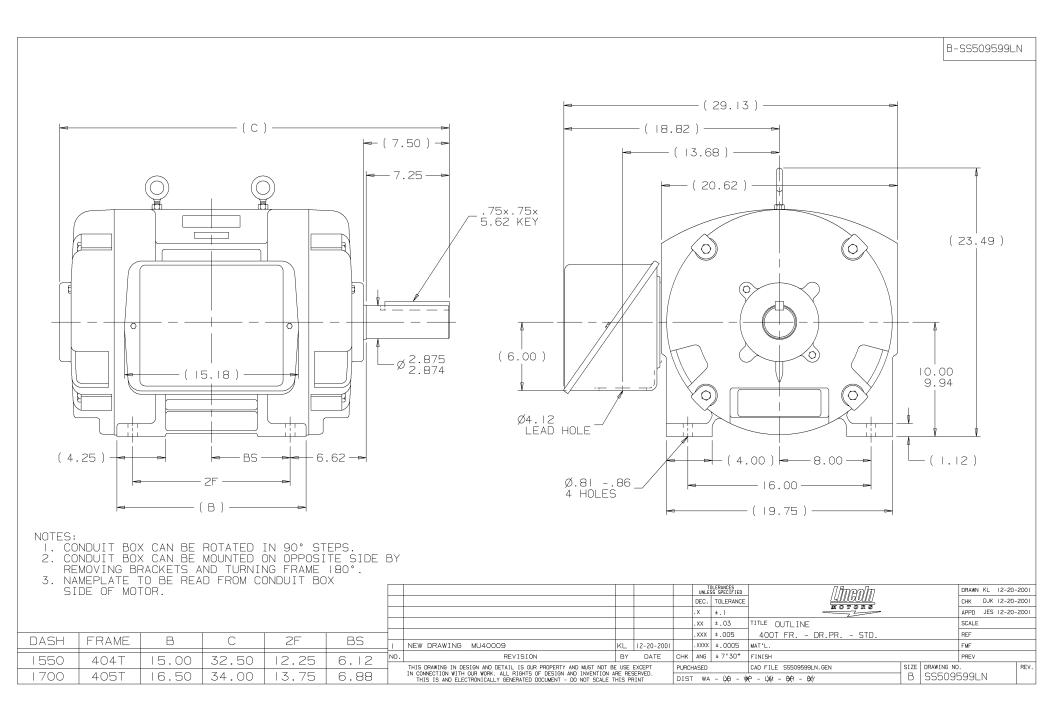
Nameplate Specifications

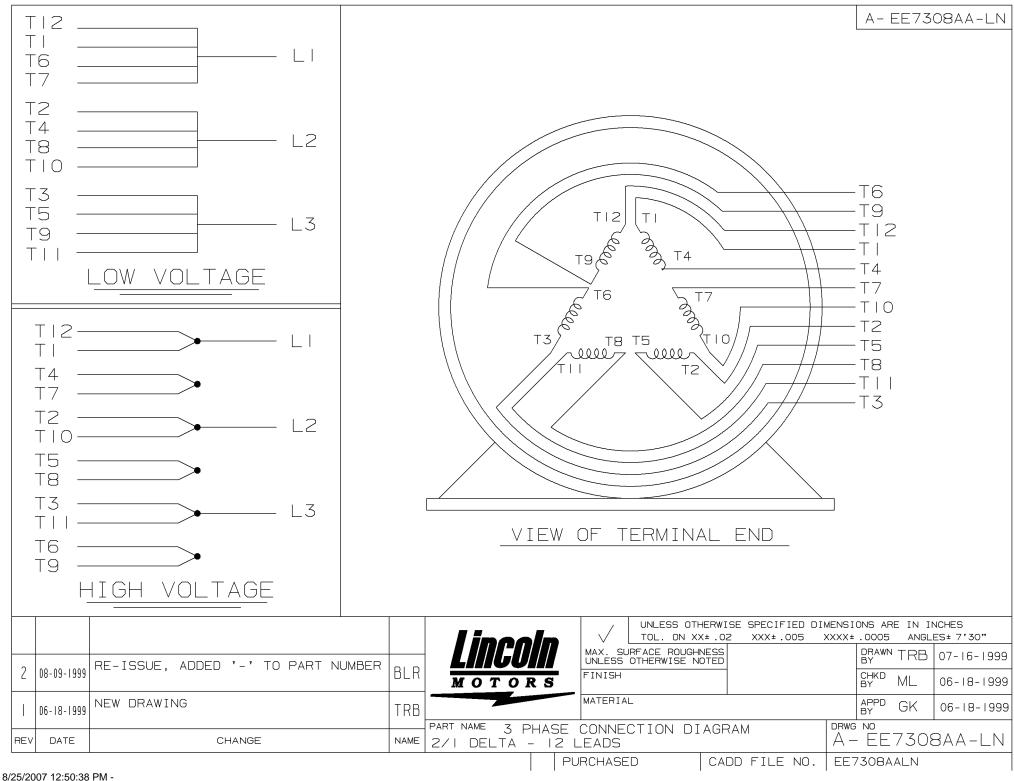
Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	230/460 & 190/380 V
Speed	1778 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	405T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	288/144 & 282/141 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	No	CSA	Υ
CE	Υ	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	s 4		Reversible
Resistance Main	.045 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	34.00 in
Frame Length	17.00 in	Shaft Diameter	2.875 in
Shaft Extension	7.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS509599LN-1700	Connection Drawing	A-EE7308AA-LN

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OFFENDING COMMAND: Pscrip

STACK:



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

CONN. DIAGRAM: A-EE7308AA-LN

OUTLINE: B-SS509599LN-1700 CATLOG # : LM80146

WINDING #: T4054138 1 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93.0&75.0	1800	1778&1480	405T	DP	G	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
З	60/50	230/460&190/380	288/144&282/141	PWS(LV ONLY) & YDRUN	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	94.5&93.6	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	93.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	87&85.5	3/4 LOAD PF:	84.5	1/2 LOAD PF:	78	93.6	SQ CAGE IND RUN

F.L. TORQUE	TORQUE LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORÇ	F.L. RISE°C	
369 LB-FT	1750 / 875	700	LB-FT	190 %	950	LB-FT	257 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
80 dBA	90 dBA	26.5 LB-FT^2	- LB-FT^2	20 SEC.	-	1150 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	RED (ENAMEL)

BEAR	RINGS	CDEACE	SHAFT TYPE SPECIAL DE SPECIAL ODE		SHAFT	FRAME	
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	DOLVDEV EM	Ŧ	NONE	NONE	104F HOT DOLLED (C 204)	CACT IDON
6316	6313	POLYREX EM	ļ	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	FT-LB NONE V NONE Hz

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