PRODUCT INFORMATION PACKET



Model No: LM80090

Catalog No: LM80090

Fire Pump Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 364T Frame,

TEFC





Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



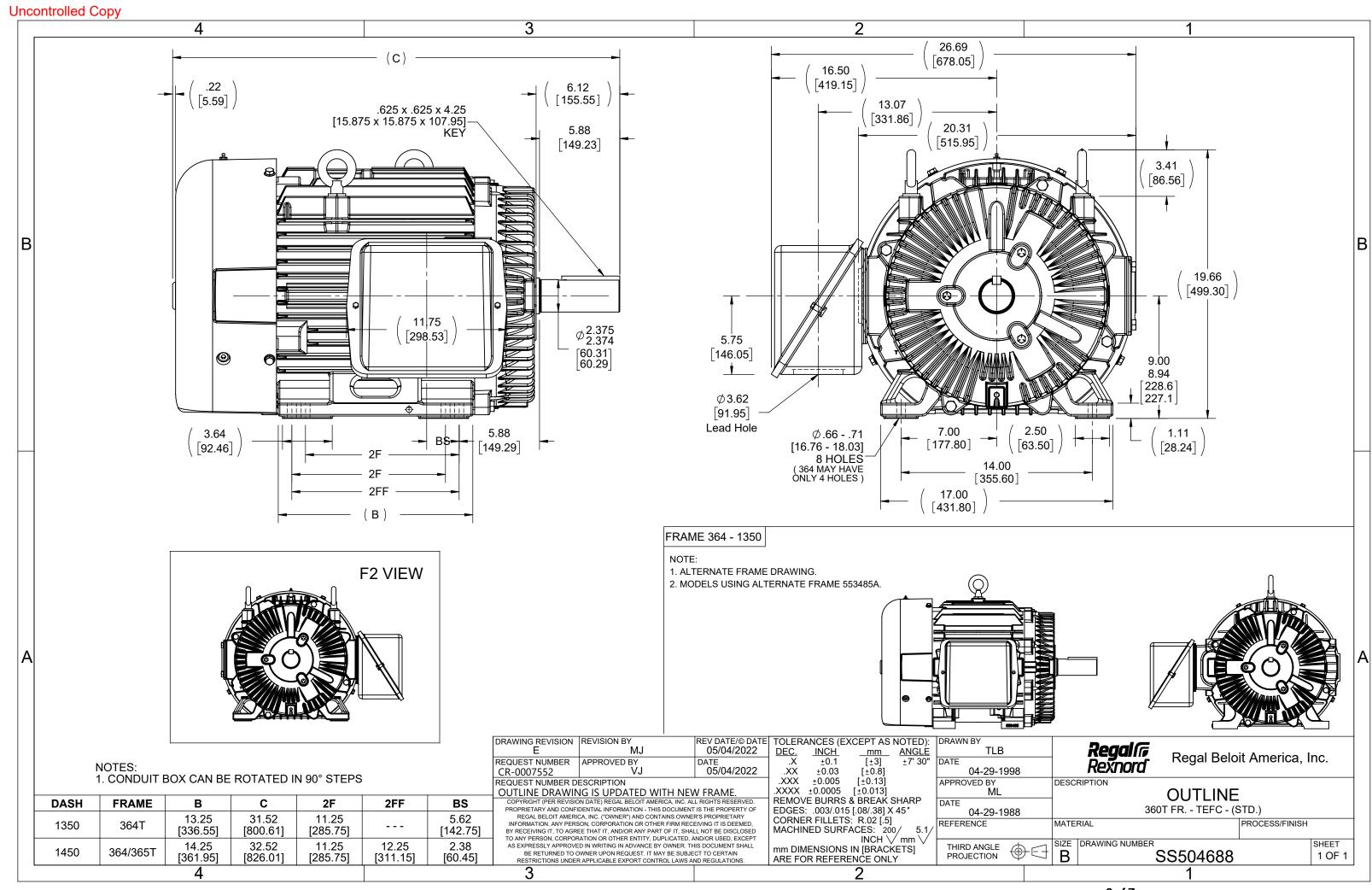
Nameplate Specifications

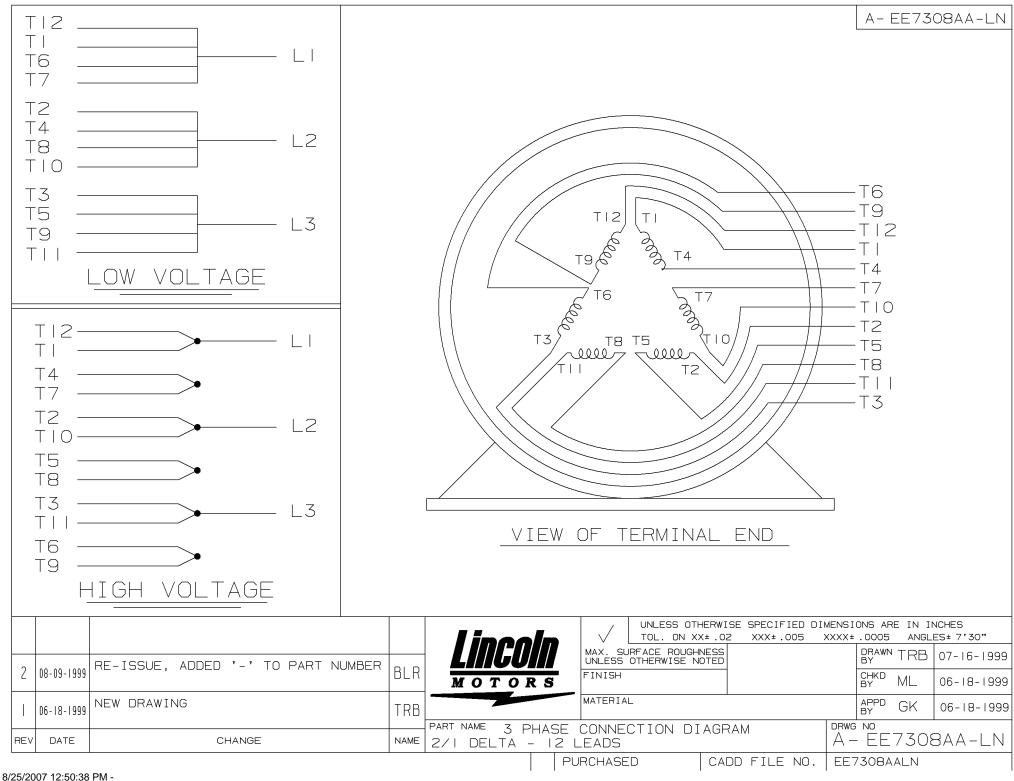
Phase	3	Output HP	60 & 50 Hp
Output KW	45.0 & 37.0 kW	Voltage	230/460 & 190/380 V
Speed	1775 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	364T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93.6 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	142/71 & 144/72 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6312
UL	No	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		
	·	·	

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.102 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	31.50 in
Frame Length	13.50 in	Shaft Diameter	2.375 in
Shaft Extension	5.88 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308AA-LN	Outline Drawing	SS504688-1350

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/21/2023





ERROR: undefined

OFFENDING COMMAND: Pscrip

STACK:



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308AA-LN

OUTLINE: B-SS504688LN-1350 CATALOG #: LM80090

WINDING #: T3644164 2 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45.0&37.0	1800	1775&1475	364T	TEFC	G	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	142/71&144/72	WYE START DELTA RUN	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	93.6&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD, EFF	ELEC, TYPE
FULL LOAD PF:	84&85	3/4 LOAD PF:	82	1/2 LOAD PF:	74	92.4	SQ CAGE IND RUN

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORQUE			F.L. RISE°C
177 LB-FT	850 / 425	290 L	LB-FT 162 %		410	LB-FT	230 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
66 dba	76 dBA	14.5 LB-FT^2	420 LB-FT^2	25 SEC.	2	825 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	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	Ŧ	NONE	NONE	1045 HOT BOLLED (C 204)	CACT IDON	
6314	6312	POLYREX EM	I	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
_	NONE P/N NONE
E	NONE NONE
S	NONE FT-LB NONE V NONE Hz

6 of 7

