PRODUCT INFORMATION PACKET



Model No: LM80094 Catalog No: LM80094 100 HP Fire Pump Motor, 3 phase, 1800 RPM, 230/460 V, 405T Frame, TEFC Fire Pump Motors



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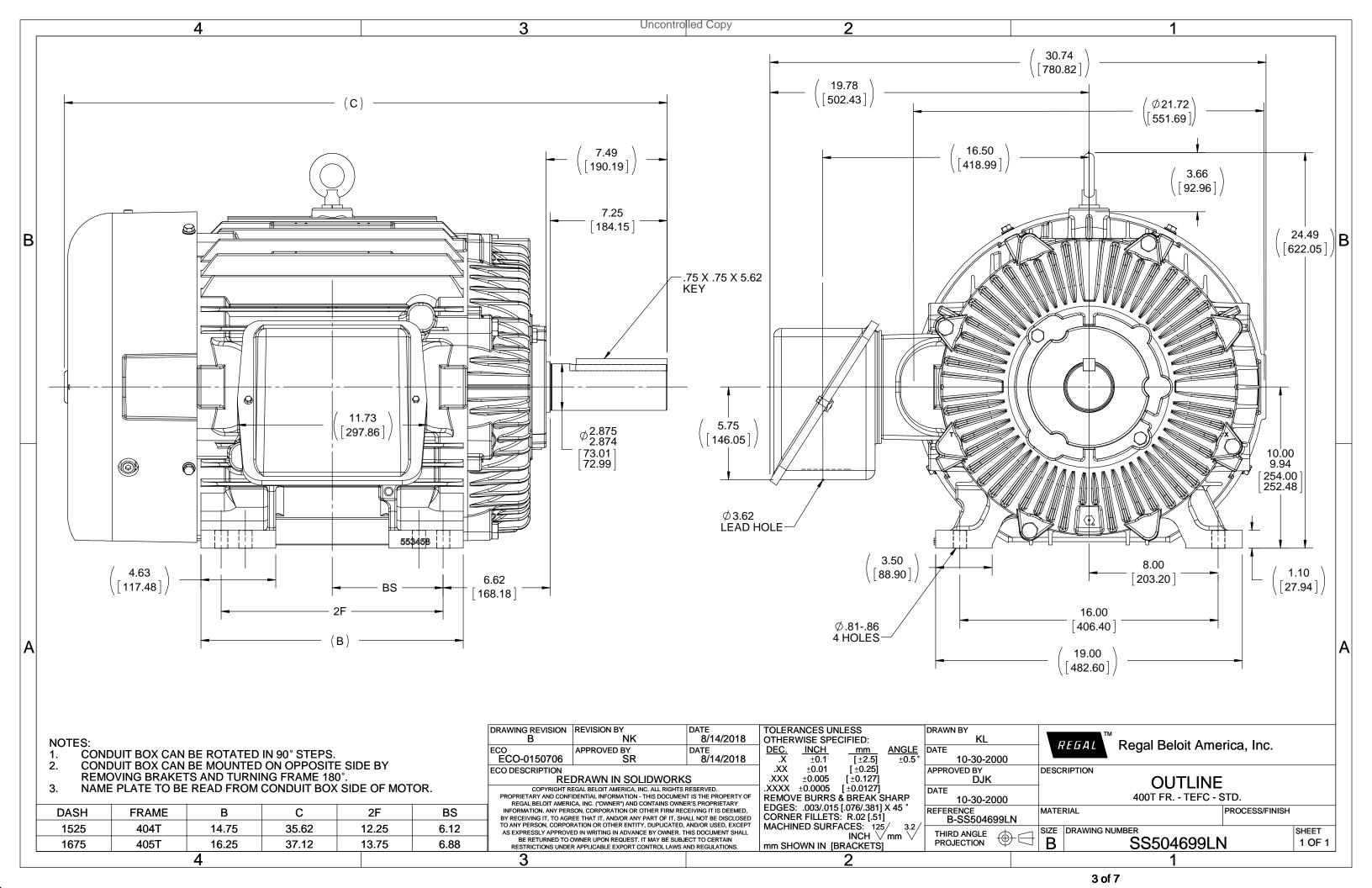
Nameplate Specifications

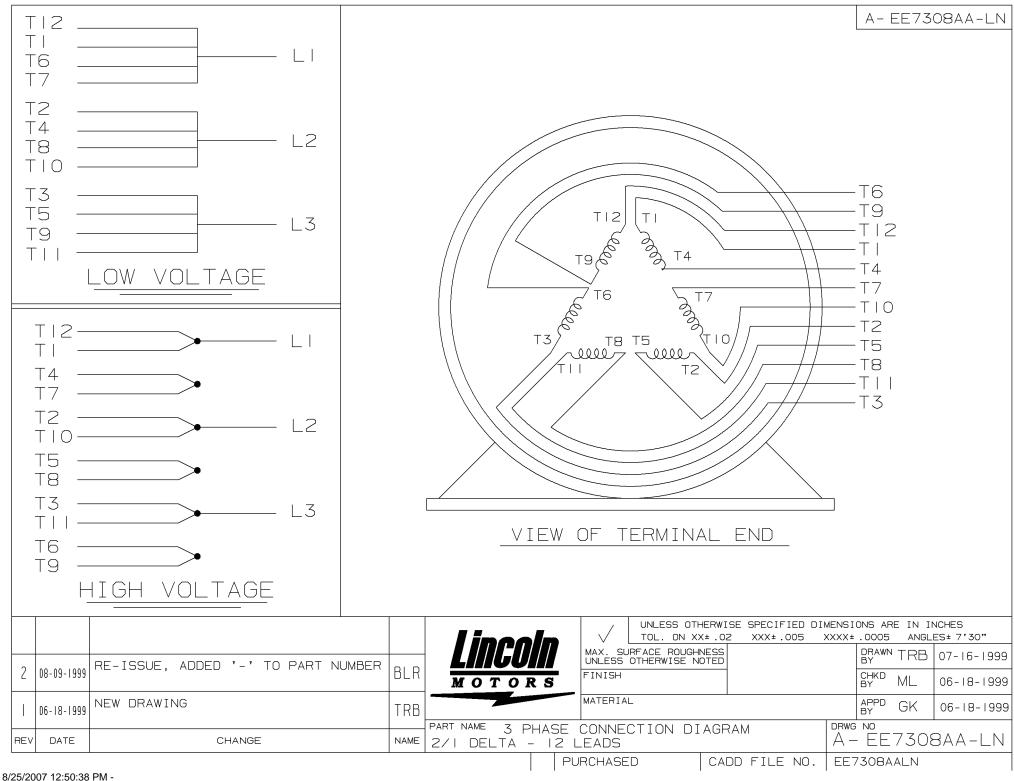
Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	224.0/112.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	No	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Poles 4		Rotation	Reversible
Resistance Main .0	058 Ohms	Mounting	Rigid Base
Motor Orientation Ho	lorizontal	Drive End Bearing	Ball
Opp Drive End Bearing Ba	Ball	Frame Material	Cast Iron
Shaft Type T	•	Overall Length	37.12 in
Frame Length 16	6.75 in	Shaft Diameter	2.875 in
Shaft Extension 7.	.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing A-	-EE7308AA-LN	Outline Drawing	B-SS504699LN-1675

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OFFENDING COMMAND: Pscrip

STACK:



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

CONN. DIAGRAM: A-EE7308AA-LN

WINDING #: T4054168 2 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

	HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
Ī	100	75.0	1800	1780	405T	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	224/112	WYE START DELTA RUN	CONTINUOUS	F1	1.15	40

FULL LOAD EFF:	94.5	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	94.1	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88	3/4 LOAD PF:	87	1/2 LOAD PF:	82	93	SQ CAGE IND RUN

	F.L. TORQUE LOCKE		LOCKED ROTOR AMPS	L.R. TORQUE				B.D. TORÇ	F.L. RISE°C	
ĺ	295	LB-FT	1410 / 705	450	LB-FT	152 %	700	LB-FT	236 %	80

	PRESSURE B FT.	SOUND	POWER	ROT	OR WK^2	МАХ	. WK^2	SAFE ST	ALL TIME	STARTS / HOUR	APPR MOTOR	
66	dBA	76	dBA	27	LB-FT^2	555	LB-FT^2	25	SEC.	2	1400	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	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	104F HOT DOLLED (C 204)	CACT IDON	
6316	6313	POLYREX EM	ļ	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	THERMO-PROTE	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

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