PRODUCT INFORMATION PACKET



Model No: LM80137
Catalog No: LM80137
100 HP Fire Pump Motor, 3 phase, 1800 RPM, 200/400 V, 404TS Frame, ODP
Fire Pump Motors



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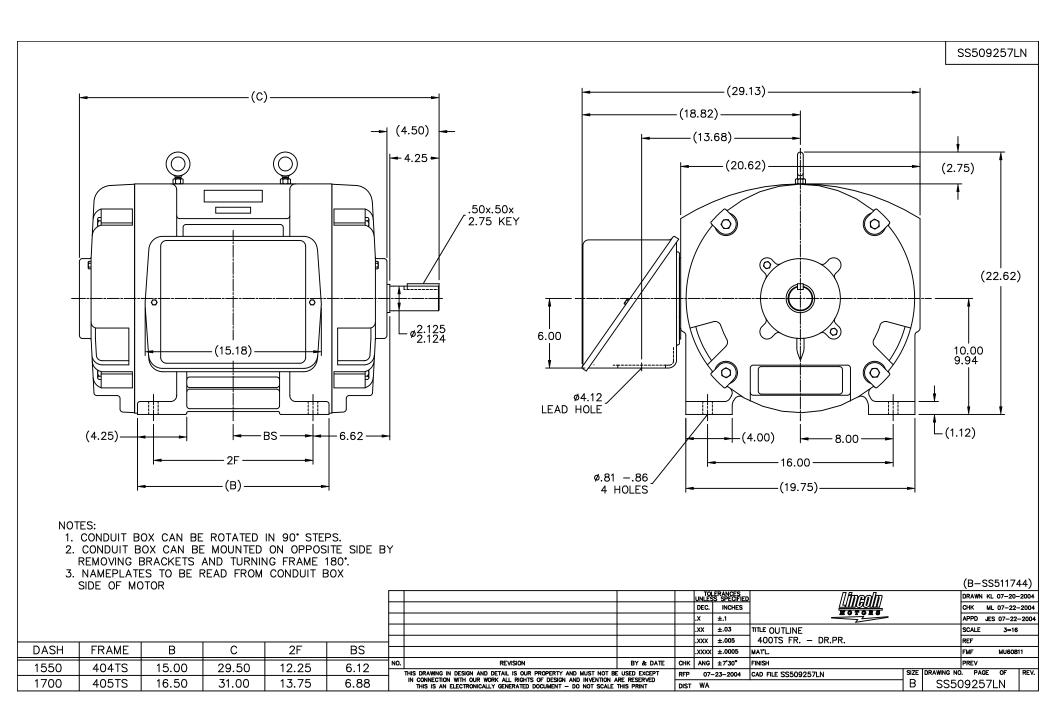
Nameplate Specifications

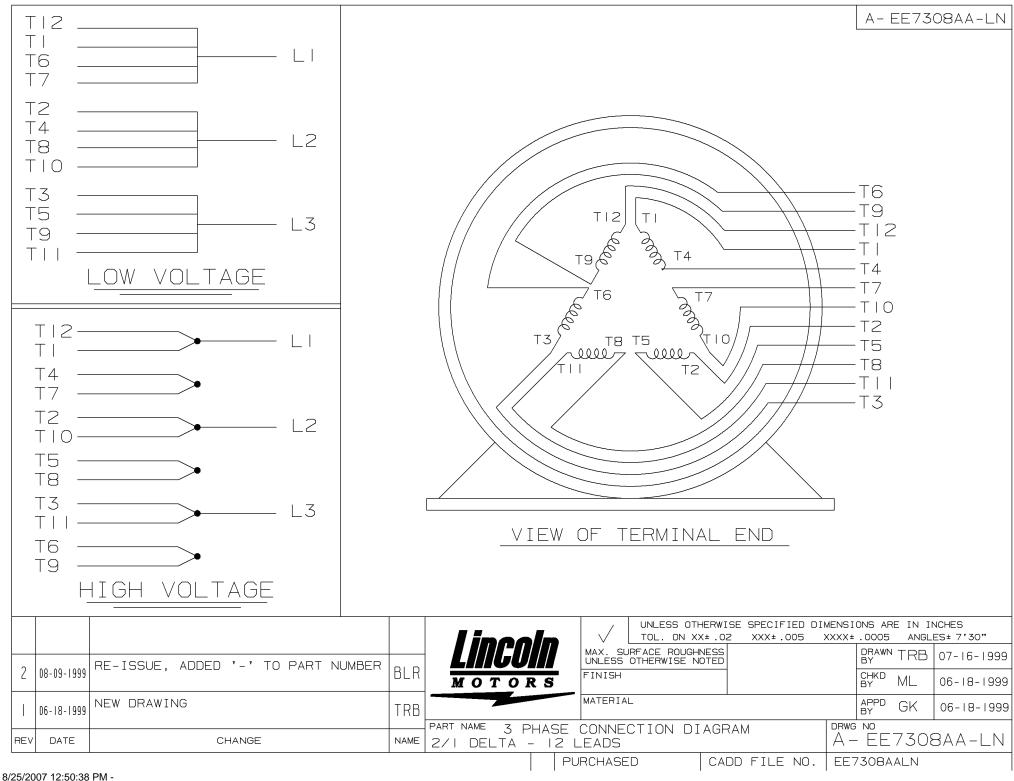
Output HP	100 Hp	Output KW	75.0 kW	
Frequency	60 Hz	Voltage	200/400 V	
Current	267.0/133.0 A	Speed	1775 rpm	
Service Factor	1.15	Phase	3	
Efficiency	94.1 %	Power Factor	86	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Frame	404TS	Enclosure	Drip Proof	
Thermal Protection	No	Ambient Temperature	40 °C	
Drive End Bearing Size	6313	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	4	Rotation	Reversible
Resistance Main	.061 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	29.50 in
Frame Length	15.51 in	Shaft Diameter	2.125 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS509257LN-1550	Connection Drawing	A-EE7308AA-LN

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STACK:



1051 CHEYENNE AVE. GRAFTON, WI 53024 PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308AA-LN CAT #: LM80137 OUTLINE: B-SS509257LN-1550 WINDING: T4054120 NONE 8 TYPICAL MOTOR PERFORMANCE DATA SYNC RPM KVA CODE HP ΚW FL RPM FRAME **ENCLOSURE** TYPE DESIGN 75 404TS 100 1800 1775 DP TDS В PH ΗZ VOLTS AMPS START TYPE DUTY INSL S.F. AMB ELEV. 60 200/400 267/133 WS(LV ONLY) & YDRUI CONT F 1.15 40 3300 GTD EFF 3/4 LD EFF 1/2 LD EFF ELECT. TYPE F.L. EFF 94.1 94.1 93.6 F.L. PF 86.0 3/4 LD PF 83.0 1/2 LD PF 76.0 93.0 SQ CAGE IND RUN LR AMPS @ 460 V F.L. RISE (° C) F.L. TORQUE L.R. TORQUE **B.D. TORQUE** 700 LB-FT 237% 295 LB-FT 776 480 LB-FT 163% 55 PRESSURE @ 3 SOUND POWER ROTOR WK² MAX. LOAD WK² SAFE STALL TIME STARTS/HOUR MOTOR WGT LB-FT² LB-FT² 1050 LB. dBA 89 dBA 24.0 20 SEC. *** SUPPLEMENTAL INFORMATION *** MOUNT HAZARDOUS DRIP DE BRACKET MOTOR SEVERE TYPE ODE BRACKET TYPE TYPE ORIENTATION DUTY LOCATION COVER **SCREENS** PAINT STANDARD RIGID HORIZONTAL NO NONE WATTSAVER STANDARD NO NONE BEARINGS **GREASE** SHAFT TYPE SPECIAL DE SPECIAL ODE SHAFT MATERIAL FRAME MATERIAL DE ODE BALL BALL POLYREX EM NONE NONE 1045 HOT ROLLED (C-204) CAST IRON TS 6313 6313 SPACE **HEATERS PROTECTORS THERMISTORS** THERMOSTATS WDG RTD's **BRG RTD's** CONTROL NONE NA NONE NOT NONE NONE **FALSE** R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/ph) X2 (ohms/ph) Xm (ohms/ph) VIBRATION (in/sec) FLOAT 0.028 0.023 0.192 0.207 5.304 0.150 ODE N INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE 0 Т Ε ENCODER: NONE NONE s NONE NONE PPR BRAKE: NONE NONE NONE 8/30/2018 DATE: FT-LB: NA VOLTAGE: NONE HZ: UL: NONE

