PRODUCT INFORMATION PACKET



Model No: LM80192
Catalog No: LM80192
100 HP Fire Pump Motor, 3 phase, 1800 RPM, 230/460 V, 405TS Frame, TEFC
Fire Pump Motors



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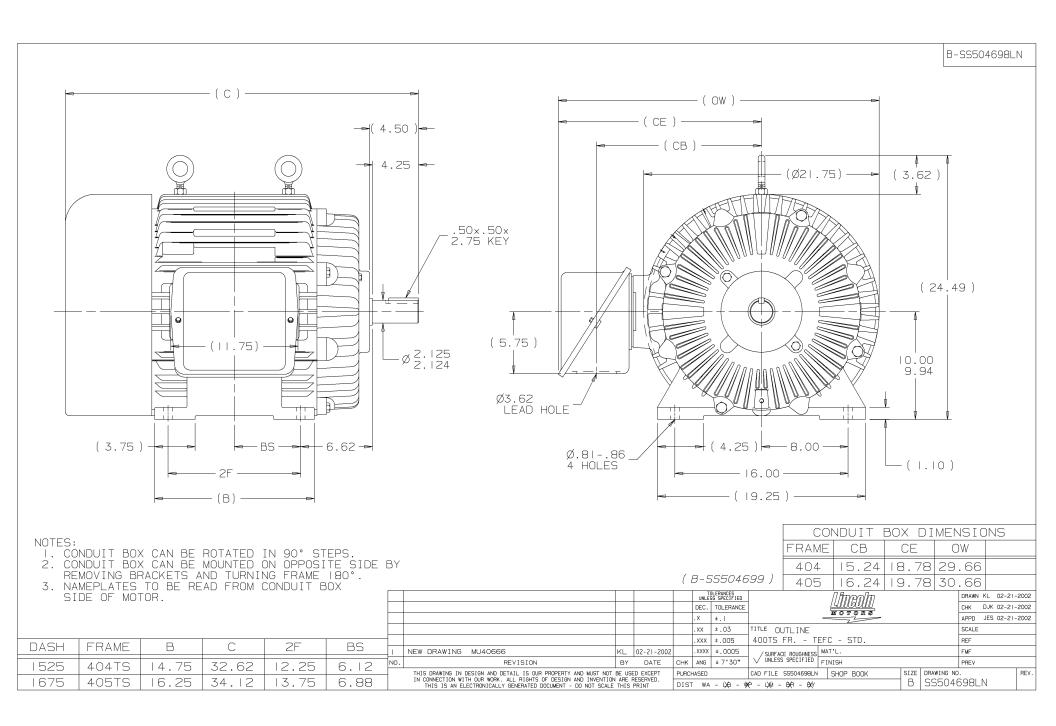
Nameplate Specifications

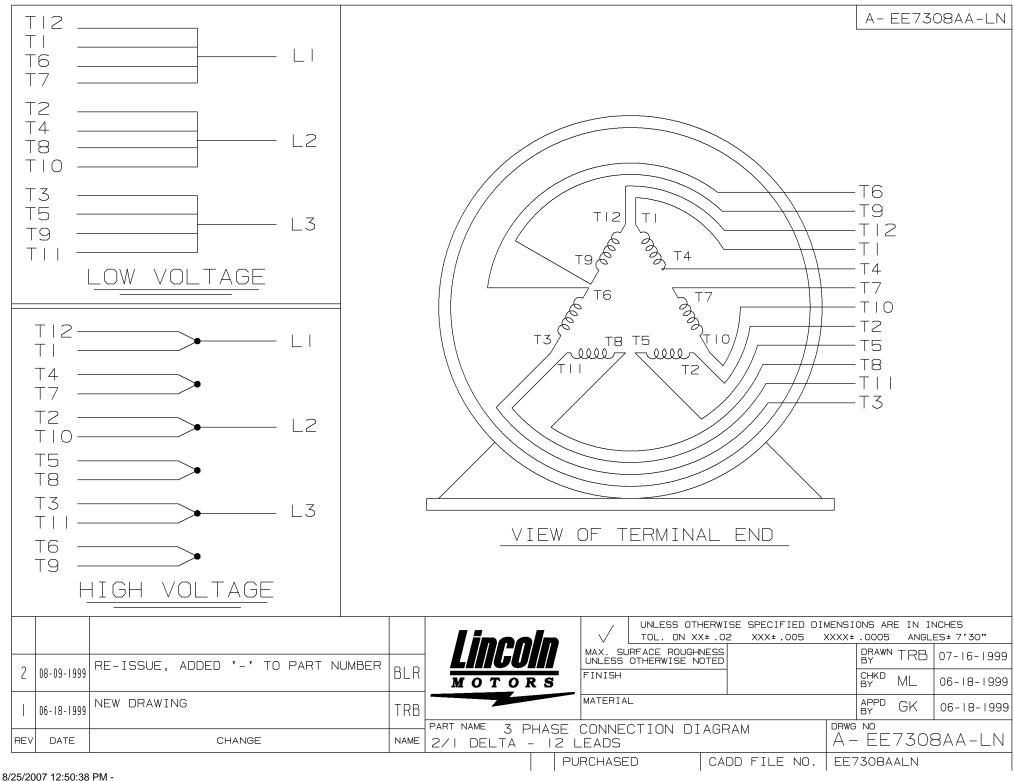
Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	224.0/112.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	405TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	No	CSA	Υ
CE	Υ	IP Code	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	.058 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	тѕ	Overall Length	34.12 in
Frame Length	16.77 in	Shaft Diameter	2.125 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS504698LN-1675	Connection Drawing	A-EE7308AA-LN

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308AA-LN CAT #: LM80192 OUTLINE: B-SS504698LN-1675 WINDING: T4054168 NONE 2 TYPICAL MOTOR PERFORMANCE DATA SYNC RPM KVA CODE HP ĸw FL RPM FRAME **ENCLOSURE** TYPE DESIGN 75 TFS 100 1800 1780 405TS **TEFC** G В PH ΗZ VOLTS AMPS START TYPE DUTY INSL S.F. AMB ELEV. 60 230/460 224/112 WYE START DELTA RUI CONT 1.15 40 3300 GTD EFF 3/4 LD EFF 1/2 LD EFF ELECT. TYPE F.L. EFF 94.5 94.5 94.1 F.L. PF 88.0 3/4 LD PF 87.0 1/2 LD PF 82.0 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 705 450 LB-FT 153% 80 PRESSURE @ 3 SOUND POWER ROTOR WK² MAX. LOAD WK² SAFE STALL TIME STARTS/HOUR MOTOR WGT LB-FT² 555 LB-FT² 1400 LB. 75 dBA 84 dBA 27.0 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 0.043 0.027 0.298 0.273 9.5 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 9/3/2018 DATE: FT-LB: NA VOLTAGE: NONE HZ: UL: NONE

