PRODUCT INFORMATION PACKET



Model No: LM80121 Catalog No: LM80121 50 HP Fire Pump Motor, 3 phase, 1800 RPM, 200/400 V, 326T Frame, ODP Fire Pump Motors



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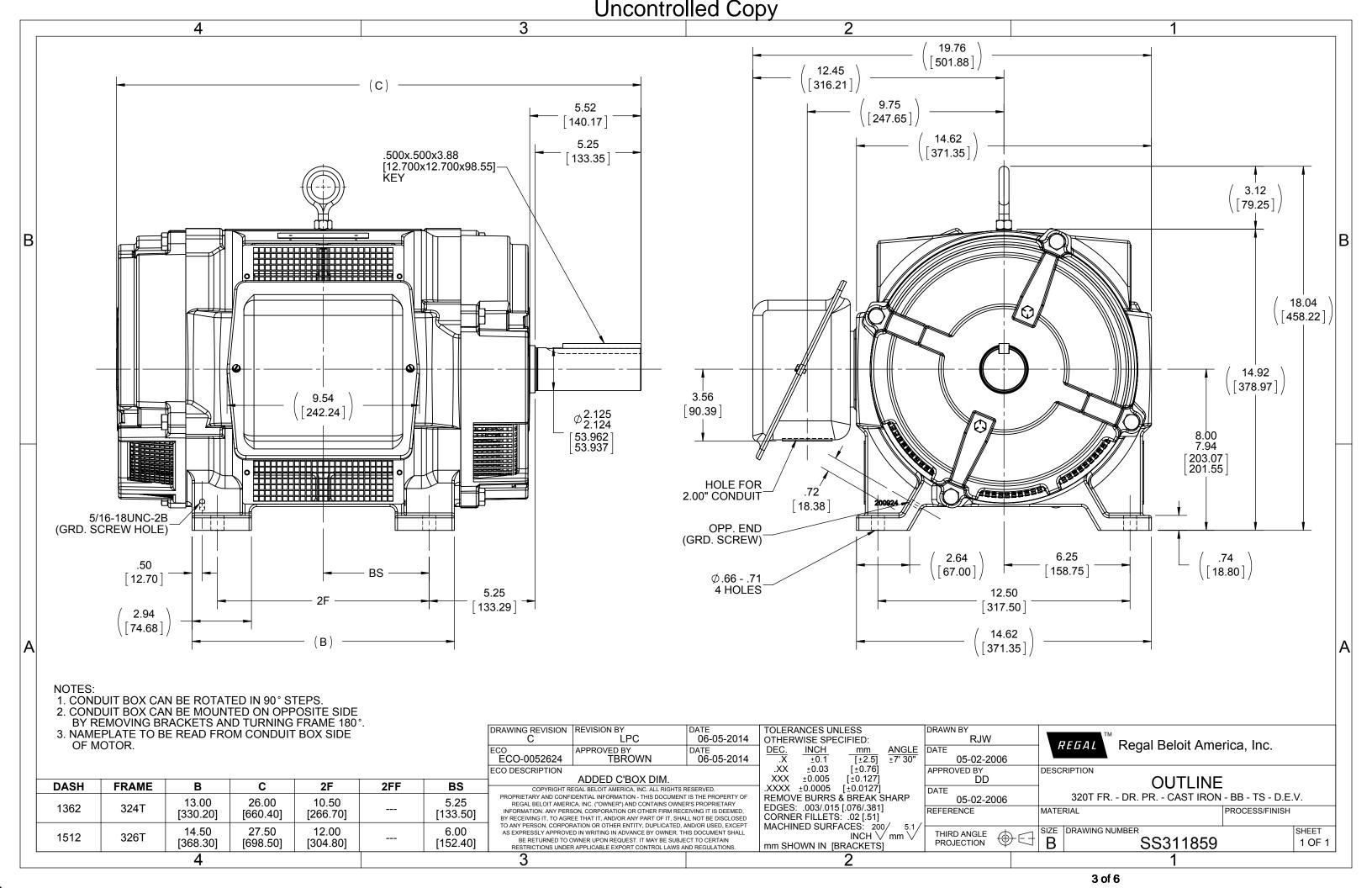
Nameplate Specifications

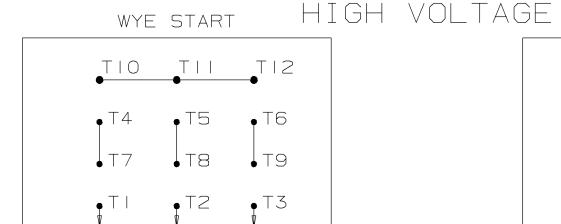
Output HP	50 Hp	Output KW	37.0 kW	
Frequency	60 Hz	Voltage	200/400 V	
Current	142.0/70.5 A	Speed	1770 rpm	
Service Factor	1.15	Phase	3	
Efficiency	93 %	Power Factor	81.5	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	G	
Frame	326T	Enclosure	Drip Proof	
Thermal Protection	No	Ambient Temperature	40 °C	
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311	
UL	No	CSA	Υ	
CE	Υ	IP Code	IP Code 12	
Number of Speeds	1			

Technical Specifications

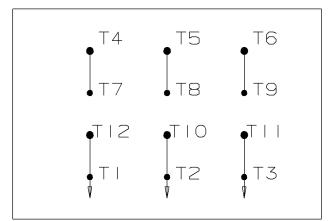
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.125 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	27.50 in
Frame Length	15.12 in	Shaft Diameter	2.125 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS311859-1512	Connection Drawing	A-EE7358-LN

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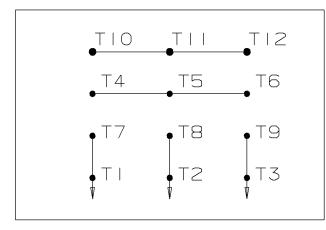
DELTA RUN

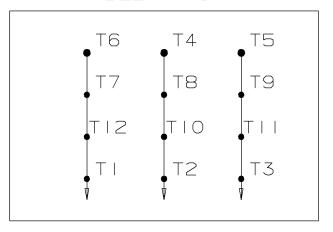


WYE START

LOW VOLTAGE

DELTA RUN





4/2 CKTY△

A-EE7358-LN

				lincoln	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES±7'30"
					MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED BY DRS 12-07-19
				MOTORS	FINISH CHKD BY ML 12-07-19
	12-07-1999	NEW DRAWING	DRS		MATERIAL APPD TB 12-07-19
				PART NAME CONNECTION	ION DIAGRAM DRWG NO
REV	DATE	CHANGE	NAME		

PURCHASED

CADD FILE NO. EE7358-LN



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7358-LN CAT #: LM80121 OUTLINE: B-SS312558LN-1512 WINDING: K2864249 NONE 16 TYPICAL MOTOR PERFORMANCE DATA SYNC RPM KVA CODE HP ΚW FL RPM FRAME **ENCLOSURE** TYPE DESIGN 37 50 1800 1770 326T DP TDP G В PH ΗZ VOLTS AMPS START TYPE DUTY INSL S.F. AMB ELEV. 60 200/400 142/70.5 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 93.0 93.6 93.6 F.L. PF 81.5 3/4 LD PF 77.0 1/2 LD PF 67.0 92.4 SQ CAGE IND RUN LR AMPS @ 460 V F.L. RISE (° C) F.L. TORQUE L.R. TORQUE **B.D. TORQUE** 375 253% 148 LB-FT 403 265 LB-FT 179% LB-FT 45 PRESSURE @ 3 SOUND POWER ROTOR WK² MAX. LOAD WK² SAFE STALL TIME STARTS/HOUR MOTOR WGT LB-FT² 250 LB-FT² 525 LB. dBA 84 dBA 5.4 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 Т 6311 6312 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 0.06 0.056 0.322 0.484 8.232 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

