PRODUCT INFORMATION PACKET



Model No: LM80110 Catalog No: LM80110

Fire Pump Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 286T Frame, DP



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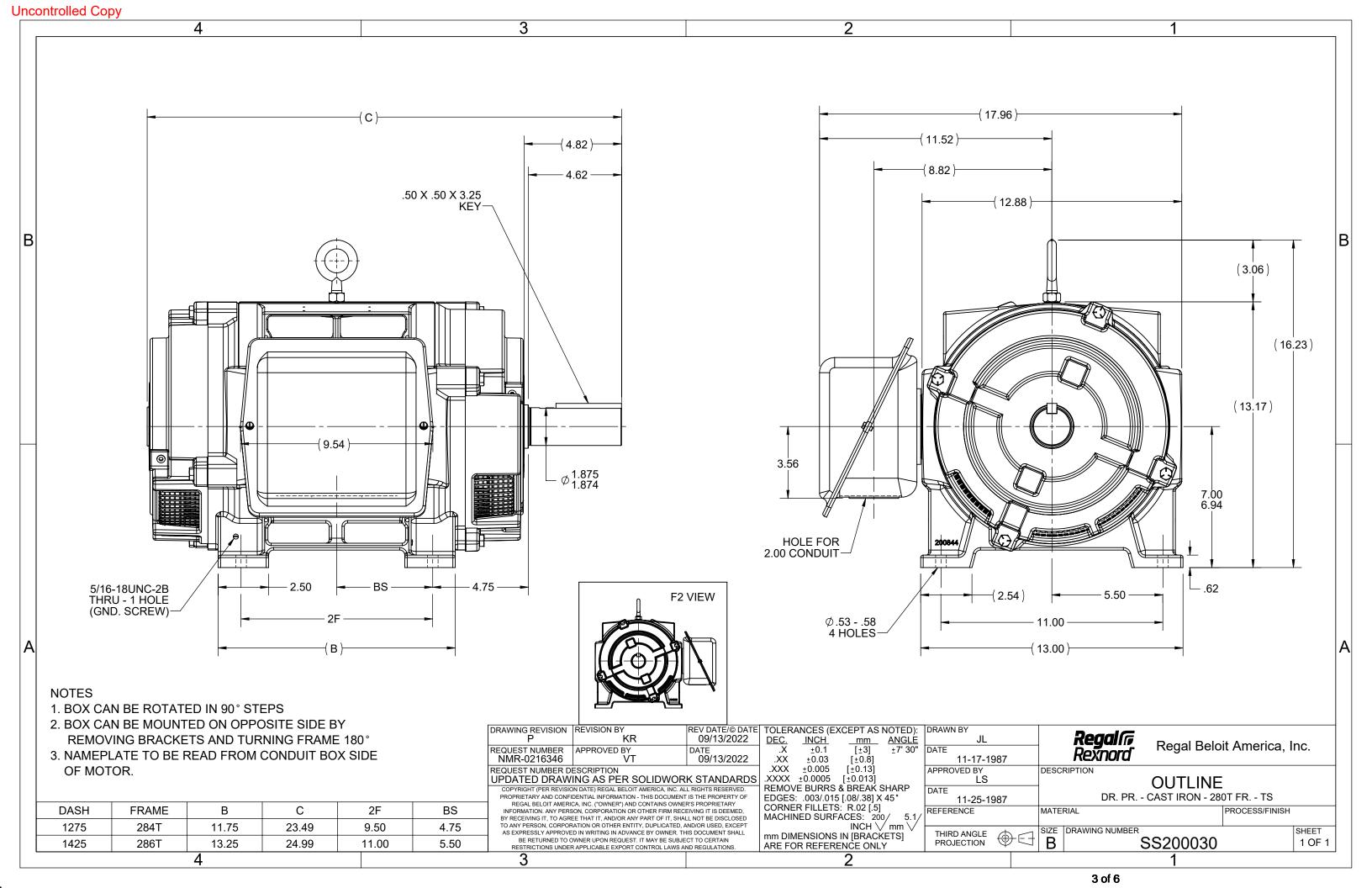
Nameplate Specifications

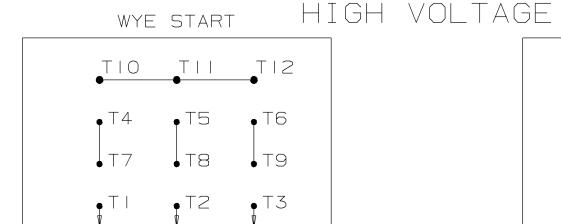
Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	230/460 & 190/380 V
Speed	1765 & 1470 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	92.4 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	72/36 & 72/36 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	No	CSA	Υ
CE	Υ	IP Code	12
Number of Speeds	1		

Technical Specifications

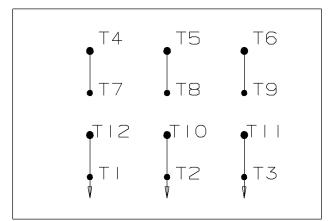
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run	
Poles	4	Rotation	Reversible	
Resistance Main	.335 Ohms	Mounting	Rigid Base	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	т	Overall Length	24.99 in	
Frame Length	14.25 in	Shaft Diameter	1.875 in	
Shaft Extension	4.62 in	Assembly/Box Mounting	Assembly/Box Mounting F1/F2 CAPABLE	
Outline Drawing	B-SS200030-1425	Connection Drawing A-EE7358-LN		

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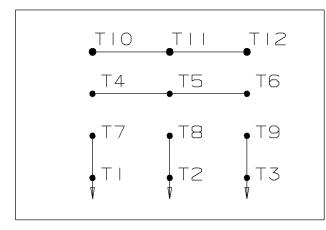
DELTA RUN

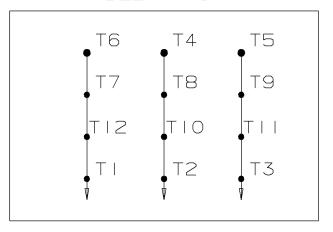


WYE START

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		IA-FF/358-IN

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 #: LM80110 OUTLINE: B-SS200030-1425 WINDING: K2564217 NONE 6 TYPICAL MOTOR PERFORMANCE DATA SYNC RPM KVA CODE HP ĸw FL RPM FRAME **ENCLOSURE** TYPE DESIGN 22.4 30 1800 1765 286T DP TDP В PH ΗZ VOLTS AMPS START TYPE DUTY INSL S.F. AMB ELEV. 60/50 230/460#190/380 72/36&72/36 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 92.4 93.0 92.4 F.L. PF 84.0 3/4 LD PF 82.0 1/2 LD PF 74.0 91.0 SQ CAGE IND RUN LR AMPS @ 460 V F.L. RISE (° C) F.L. TORQUE L.R. TORQUE **B.D. TORQUE** 220 LB-FT 247% 89.0 LB-FT 190 160 LB-FT 180% 45 PRESSURE @ 3 SOUND POWER ROTOR WK² MAX. LOAD WK² SAFE STALL TIME STARTS/HOUR MOTOR WGT LB-FT² LB-FT² 400 LB. 72 dBA 81 dBA 3.3 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 6210 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 19.677 0.2 0.133 0.731 0.955 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

