

PRODUCT INFORMATION PACKET



Model No: 5011LSHFS19028
Catalog No: 5011LSHFS19028
500,1800,TEFC,5011LS,3/60/480

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Nameplate Specifications

Phase	3	Output HP	500 Hp
Output KW	370.0 kW	Voltage	480 V
Speed	1788 rpm	Service Factor	1.15
Frame	5011LS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	96.2 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	532.0 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6322	Opp Drive End Bearing Size	6318
UL	Recognized	CSA	Y
CE	Y	IP Code	56
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.004 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ceramic	Frame Material	Cast Iron
Shaft Type	LS	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS558136-4950	Connection Drawing	EE7300JG

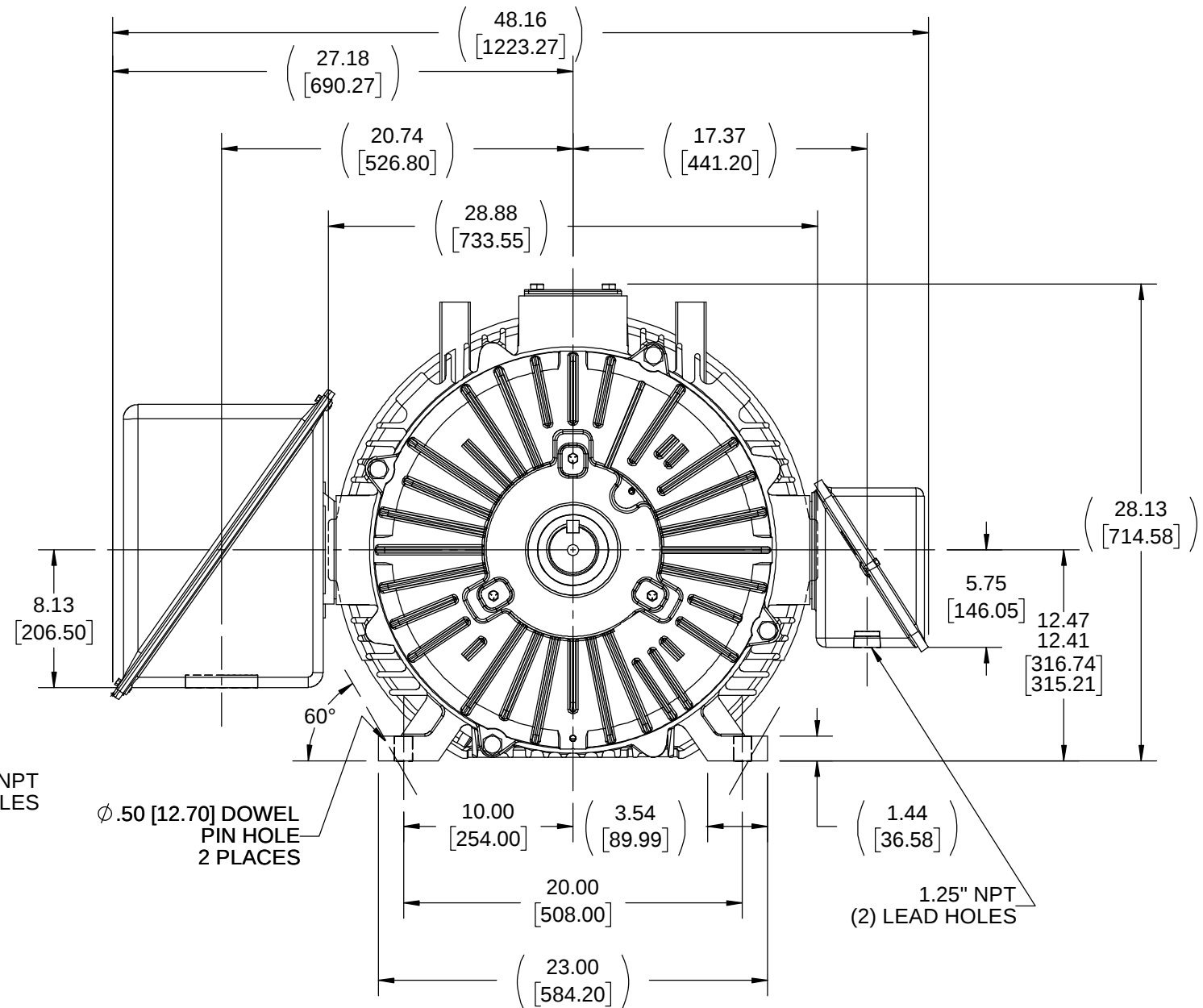
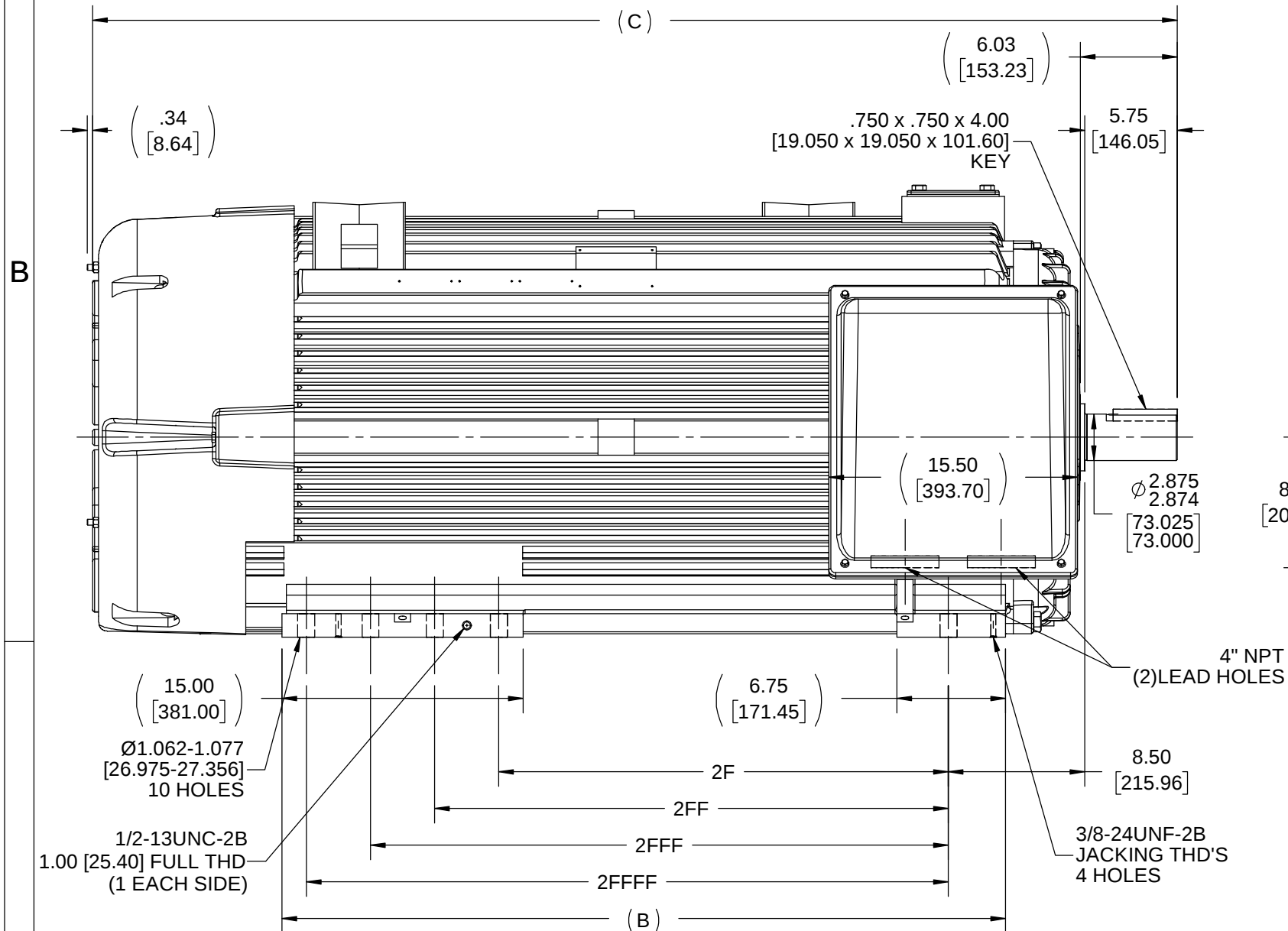
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NOTE:

1. MAIN CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. AUX. CONDUIT BOX CAN BE ROTATED 180°.
3. NAMEPLATES TO BE READ FROM MAIN CONDUIT BOX SIDE OF THE MOTOR.
4. MOTOR WEIGHT (MAXIMUM) = 5,500 LBS.

DASH	FRAME	B	C	2F	2FF	2FFF	2FFFF	DRAWING REVISION A	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY VMR	Regal Beloit America, Inc.			
4950	5009LS	45.05 [1144.27]	67.56 [1716.02]	28.00 [711.20]	---	---	---	ECO ECO-0187792	APPROVED BY	DATE	DEC. .X ±0.1 [±2.5] ANGLE ±7° 30" .XX ±0.03 [±0.76] XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE 6/16/2020				
4950	5010LS	45.05 [1144.27]	67.56 [1716.02]	---	32.00 [812.80]	---	---	NEW DRAWING			COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS. REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]	APPROVED BY VMR	DESCRIPTION 5009-12LS FR. - TEFC - F1/F2/F3 MT. - AUX. C'BOX			
4950	5011LS	45.05 [1144.27]	67.56 [1716.02]	---	---	36.00 [914.40]	---	DATE 6/16/2020				REFERENCE				MATERIAL
4950	5012LS	45.05 [1144.27]	67.56 [1716.02]	---	---	---	40.00 [1016.00]	THIRD ANGLE PROJECTION					SIZE B	DRAWING NUMBER SS558136		SHEET 1 OF 1

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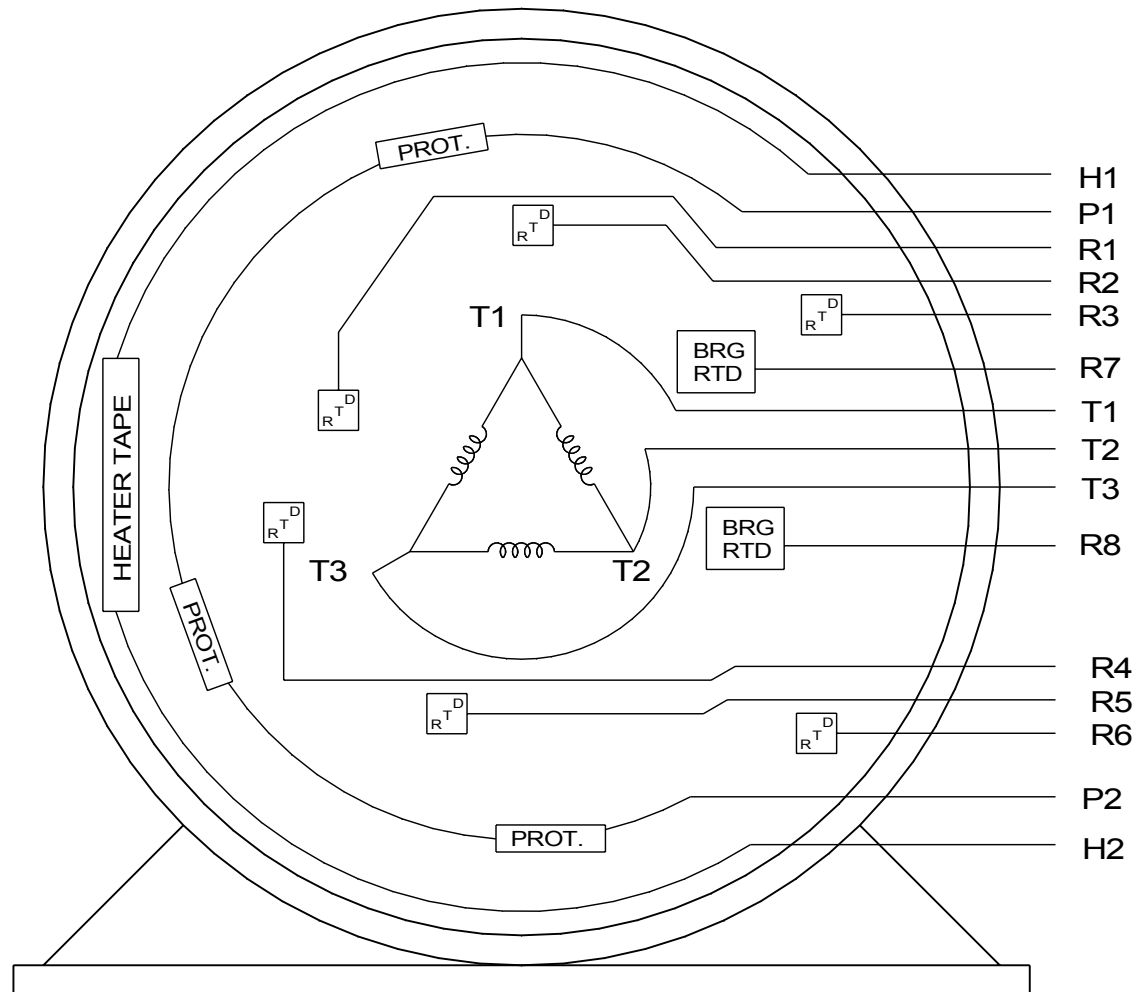
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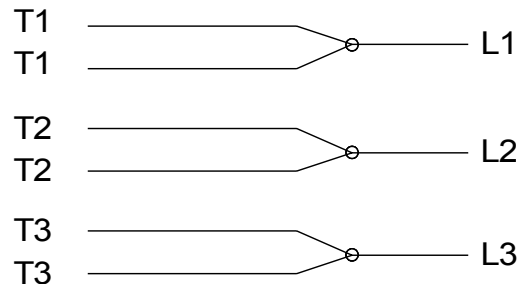
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THERMO-PROTECTORS
CONNECTED IN SERIES

THREE PHASE - SINGLE VOLTAGE
MOTOR OR INDUCTION GENERATOR
WITH 6 RTD'S MARKED R1-R6
2 BRG RTD LEADS MARKED R7-R8
2 PROTECTOR LEADS MARKED P1-P2
AND 2 HEATER LEADS MARKED H1-H2



IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

DRAWING REVISION E	REVISION BY JHA	DATE 10-19-2015
ECO ECO-0087792	APPROVED BY DJK	DATE 10-27-2015
ECO DESCRIPTION		

UPDATED TITLE BLOCK

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TOLERANCES UNLESS
OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY
KL

DATE
03-05-2002

APPROVED BY
LMC

DATE
03-07-2002

REFERENCE

THIRD ANGLE
PROJECTION

 Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300JG
SHEET 1 OF 1	

