ABB BALDOR RELIANCE

Customer information packet

CJL3515A

2HP, 3450RPM, 1PH, 60HZ, 3535L, N
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	56J
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.500 A @ 230.0 V
	12.100 A @ 208.0 V
	23.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

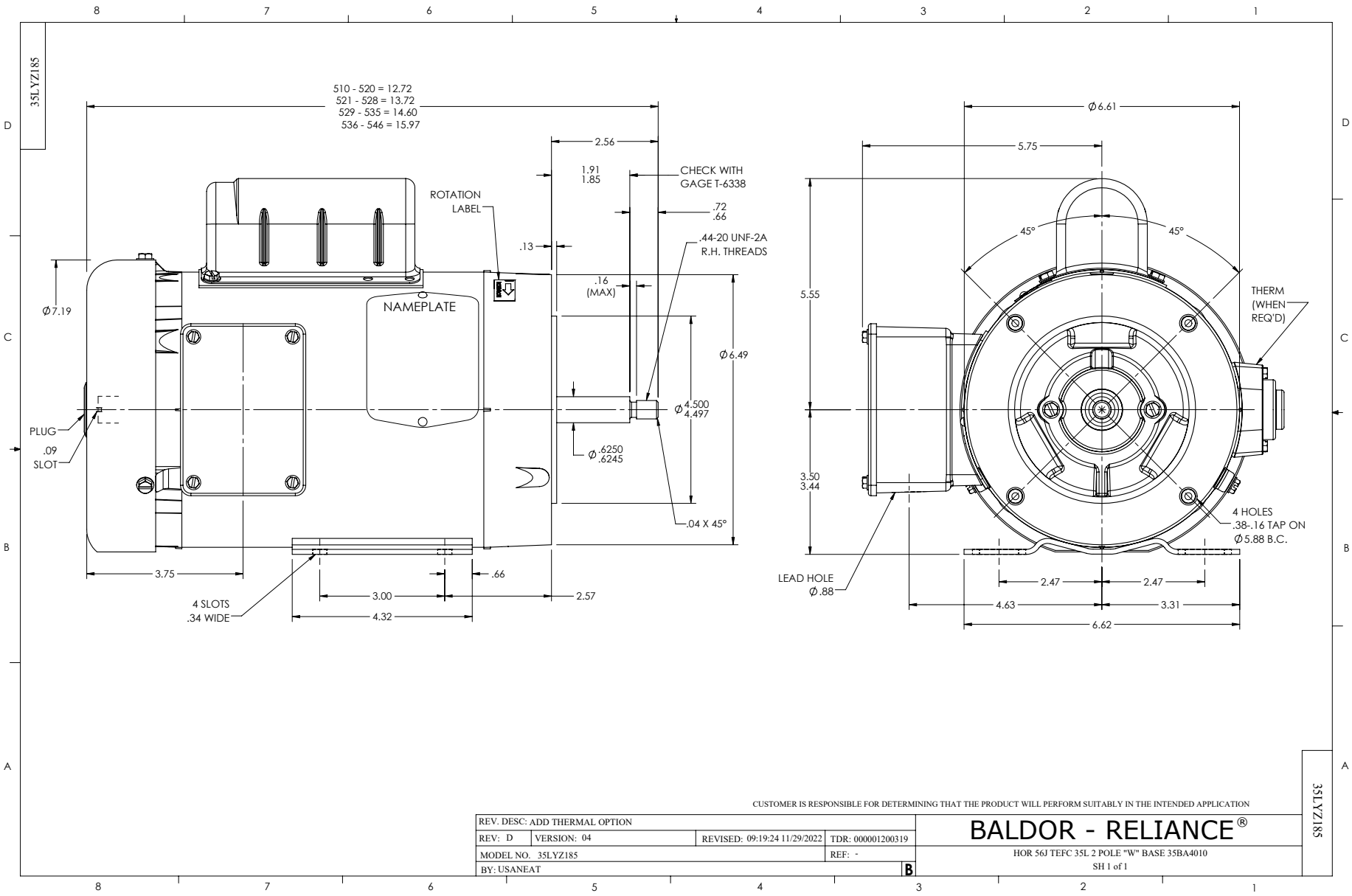
Revision	T
Type	AC
Mech. spec.	35Z185
Base	
Status	PRD/A
Elec. spec.	35WG5184
Layout	35LYZ185
Eff. date	07-24-2024
CD Diagram	CD0449
Poles	02
Leads	4#14 A&J,1#12 #4TH
Proprietary	False
Created date	10-29-2010

High Voltage Full Load Amps	11.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3535L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.60 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Ext Thread
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload

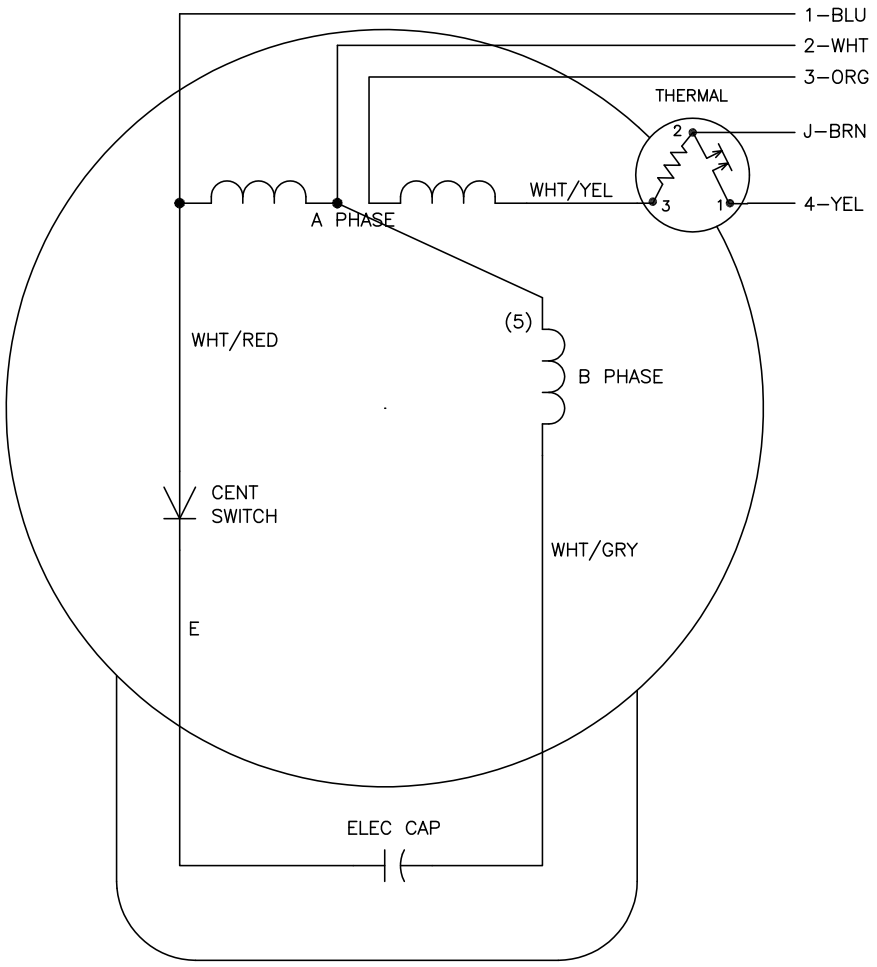
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	CJL3515A										
SPEC.	35Z185-5184G1										
HP	2										
VOLTS	115/230										
AMP	23/11.5										
RPM	3450										
FRAME	56J		**HZ**	60		**PH**	1				
SER.F.	1.00	**CODE**	K	**DES**	L	**CL**	B				
NEMA-NOM-EFF	74	**PF**	82								
RATING	40C AMB-CONT										
CC											
DE	6205	**ODE**	6203								
ENCL	TEFC	**SN**									


35LYZ185
510 - 520 = 12.72
521 - 528 = 13.72
529 - 535 = 14.60
536 - 546 = 15.97
2.56
1.91
1.85
CHECK WITH
GAGE T-6338
ROTATION
LABEL
.72
.66
.13
.44-20 UNF-2A
R.H. THREADS
.16
(MAX)
NAMEPLATE
Ø7.19
Ø6.49
Ø 4.500
4.497
Ø .6250
.6245
PLUG
.09
SLOT
.04 X 45°
3.75
.66
4 SLOTS
.34 WIDE
3.00
4.32
2.57
Ø6.61
5.75
45°
45°
5.55
THERM
(WHEN
REQ'D)
3.50
3.44
4 HOLES
.38-.16 TAP ON
Ø5.88 B.C.
LEAD HOLE
Ø.88
2.47
2.47
4.63
3.31
6.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL OPTION
REV: D
VERSION: 04
REVISED: 09:19:24 11/29/2022
TDR: 000001200319
MODEL NO. 35LYZ185
REF: -
BY: USANEAT
B
BALDOR - RELIANCE®
HOR 56J TEFC 35L 2 POLE "W" BASE 35BA4010
SH 1 of 1
35LYZ185

CD0449



	LINE A	LINE B	JOIN	JOIN
HIGH	1	4	2,3	J
LOW	1,3	4	–	2,J

NOTES:

1. CONNECTIONS ARE SHOWN FOR CCW ROTATION FACING END OPPOSITE SHAFT EXTENSION (STD). FOR CW ROTATION, INTERCHANGE 5 AND 8 INTERNALLY.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0449

REV. DESC: –			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: –	TDR: 0178636
CD0449		FILE: –	MDL: –
		MTL: –	TYPE L, DV, FIX, THERM, B PH AMPS THRU HTR HVC, 5 LEAD