ABB BALDOR RELIANCE

Customer information packet

VEL11317

2HP, 3470RPM, 1PH, 60HZ, 56C, 3540LC, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap 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	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	15.600 A @ 115.0 V
	7.800 A @ 230.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.9 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.8 a
Insulation Class	B

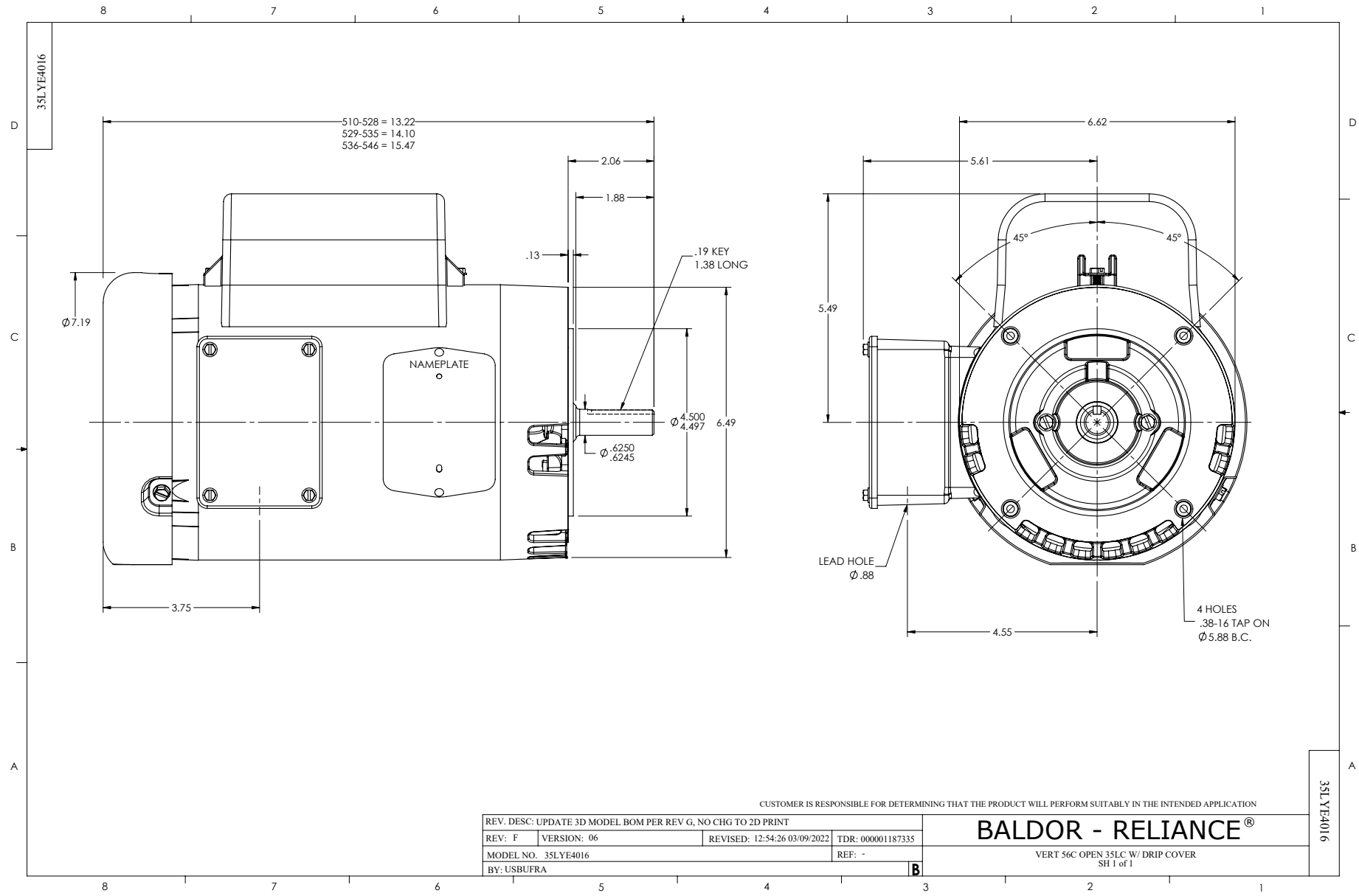
Part Detail

Revision	L
Type	AC
Mech. spec.	35E4016
Base	
Status	PRD/A
Elec. spec.	35WGN674
Layout	35LYE4016
Eff. date	05-16-2024
CD Diagram	CD0055
Poles	02
Leads	6#16
Proprietary	False
Created date	09-29-2014

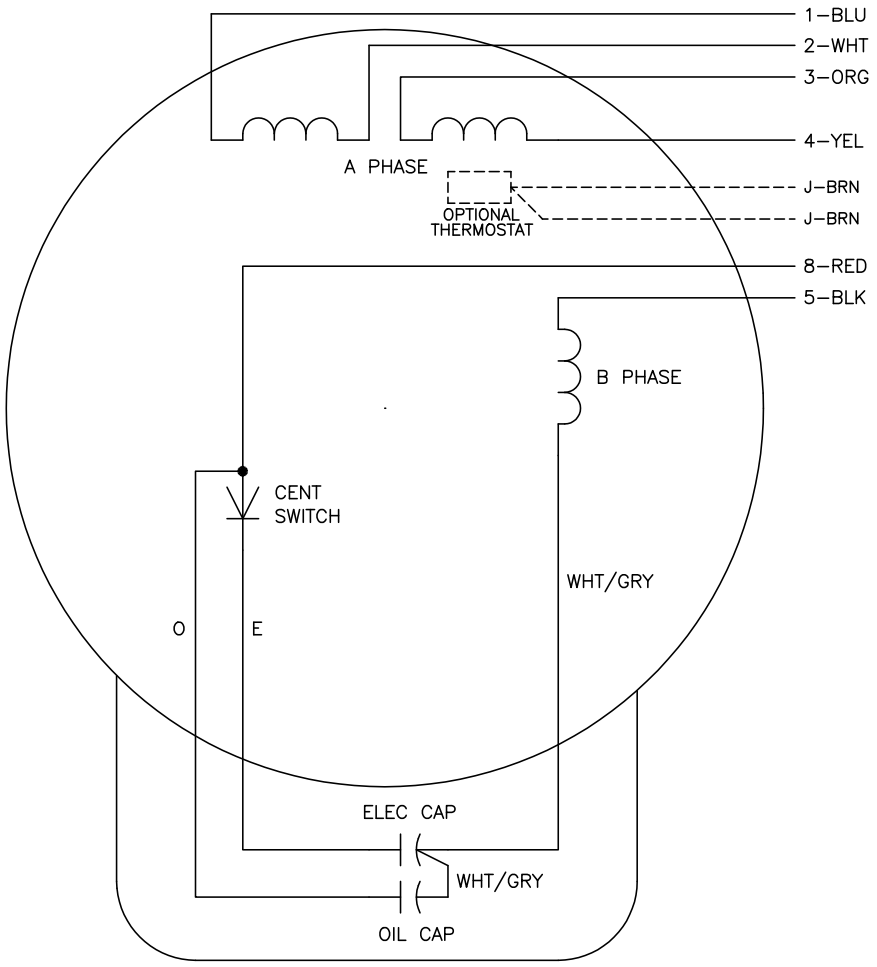
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3540LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.47 IN
Power Factor	99
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3470 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	None
Winding Thermal 2	None

Nameplate

NP3155L										
CAT.NO.	VEL11317									
SPEC.	35E4016N674G1									
HP	2									
VOLTS	115/230									
AMP	15.6/7.8									
RPM	3470									
FRAME	56C		**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	G	**DES**	L	**CL**	B			
F.L. AVG. EFF.	82.9	**PF**	99							
RATING	40C AMB-CONT									
CC										
DE	6205		**ODE**	6203						
ENCL	OPEN	**SN**								


35LYE4016
510-528 = 13.22
529-535 = 14.10
536-546 = 15.47
2.06
1.88
.13
.19 KEY
1.38 LONG
Ø7.19
NAMEPLATE
Ø 4.500
4.497
6.49
Ø .6250
.6245
3.75
6.62
5.61
45°
45°
5.49
LEAD HOLE
Ø .88
4.55
4 HOLES
.38-16 TAP ON
Ø5.88 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV G, NO CHG TO 2D PRINT
REV: F
VERSION: 06
REVISED: 12:54:26 03/09/2022
TDR: 000001187335
MODEL NO. 35LYE4016
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
VERT 56C OPEN 35LC W/ DRIP COVER
SH 1 of 1
35LYE4016

CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: –
		MTL: –	TYPE LC, DV, REV, 6 LEADS