ABB BALDOR RELIANCE

Customer information packet

YPC144A

.25HP, 1625RPM, 1PH, 60HZ, 48YZ, 3408C, TEAO, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	48YZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	.250 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Yoke Pedestal
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.500 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	67.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	-

Part Detail

Revision	H
Type	AC
Mech. spec.	34M195
Base	
Status	PRD/A
Elec. spec.	34WGR234
Layout	34LYM195
Eff. date	10-28-2024
CD Diagram	CD0798
Poles	04
Leads	5#18
Proprietary	False
Created date	10-17-2014

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	5 @ 18 AWG
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3408C
Mounting Arrangement	F1
Number of Poles	4
Overall Length	10.68 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	Shaft Slinger
Speed	1625 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	WG

Nameplate

NP1257L								
CAT.NO.	YPC144A							
SPEC.	34M195R234G1							
HP	.25							
VOLTS	115							
AMP	2.5							
RPM	1625							
FRAME	48YZ	**HZ**	60	**PH**	1			
SER.F.	1.00	**CODE**	-	**DES**	-	**CL**	B	
NEMA-NOM-EFF	67	**PF**	98					
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	TEAO	**SN**						

Parts List

Part number	Description	Quantity
SA288456	SA 34M195R234G1	1.000 ea
RA274646	RA 34M195R234G1	1.000 ea
OC3020F12SP	CAPACITORS 20 MFD 370 VAC	1.000 ea
RM1001A01	GROMMET "MIDSTATES"	1.000 ea
WD4100A42	CAPLUG BPF-3/4, FOR 1/2" NPT OR 3/4 HOLE	1.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
34EP3204D01	SPL FR ENDPLATE 34L - ENCL	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 ea
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 ea
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
34EP3109D01	PU ENDPLATE, MACH ENCL, 5.125 B.C.	1.000 ea
XY0832A02	8-32 HEX NUT	4.000 ea
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 ea
34GS1005	GASKET, TERM PLATE LID	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 ea
HW1000A08	#8 SAE FLAT WASHER	4.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	5.000 ea
SP5076SP	MODEL 34 TERMINAL PANEL WITH QUICK CONNE	1.000 ea
HA3169A25	THRUBOLT #8-32 THDS X 8.688" LONG	4.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
LC0085	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
ML14-8C18	18 AWG, 8,RED	10.000 in
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	2.000 ea

36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea

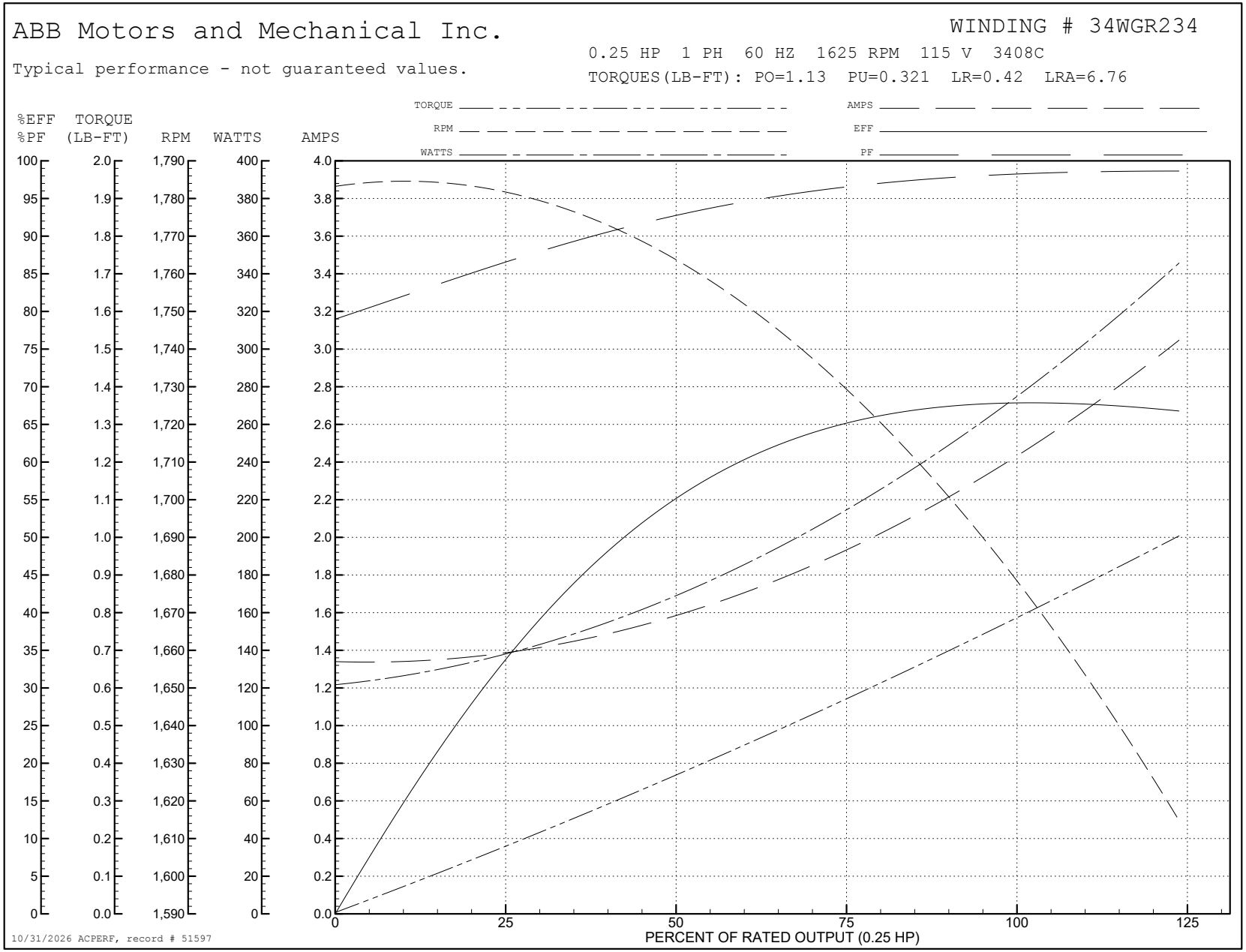
AC Induction Motor Performance Data
Record # 51597
Typical performance - not guaranteed values

Winding: 34WGR234-R001	**Type:** 3408C	**Enclosure:** TEAO

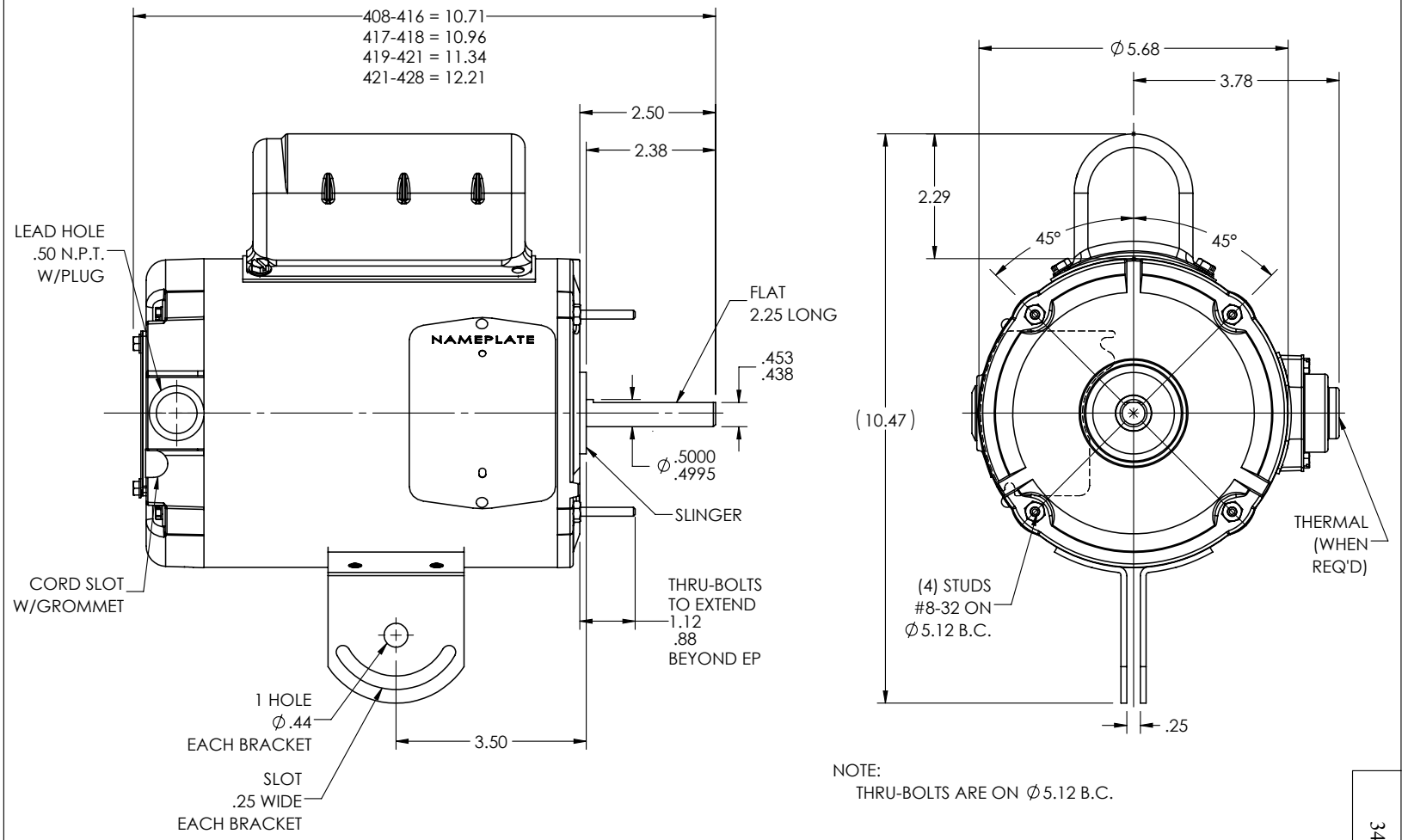
Nameplate Data				**115 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			.25	**Full Load Torque**	0.814 LB-FT
Volts			115	**Start Configuration**	direct on line
Full Load Amps			2.5	**Breakdown Torque**	1.13 LB-FT
R.P.M.			1625	**Pull-up Torque**	0.321 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	0.42 LB-FT
NEMA Design Code	-	**KVA Code**	-	**Starting Current**	6.76 A
Service Factor (S.F.)			1	**No-load Current**	1.32 A
NEMA Nom. Eff.	67	**Power Factor**	98	**Line-line Res. @ 25ºC**	7.7557 Ω A Ph 12.585 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 115 V, 60 Hz, 0.25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**
Power Factor	87	93	97	98	99
Efficiency	36.8	56.6	66.1	69.5	66.1
Speed	1777.1	1755.2	1724.3	1677.2	1609
Line amperes	1.43	1.65	2	2.46	3.09


ABB Motors and Mechanical Inc.
WINDING # 34WGR234
Typical performance - not guaranteed values.
0.25 HP 1 PH 60 HZ 1625 RPM 115 V 3408C
TORQUES(LB-FT): PO=1.13 PU=0.321 LR=0.42 LRA=6.76
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0
2.0 1.9 1.8 1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0
1,790 1,780 1,770 1,760 1,750 1,740 1,730 1,720 1,710 1,700 1,690 1,680 1,670 1,660 1,650 1,640 1,630 1,620 1,610 1,600 1,590
400 380 360 340 320 300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0
4.0 3.8 3.6 3.4 3.2 3.0 2.8 2.6 2.4 2.2 2.0 1.8 1.6 1.4 1.2 1.0 0.8 0.6 0.4 0.2 0.0
0 25 50 75 100 125
PERCENT OF RATED OUTPUT (0.25 HP)
10/31/2026 ACPERF, record # 51597

34LYM195



NOTE:
THRU-BOLTS ARE ON Ø 5.12 B.C.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

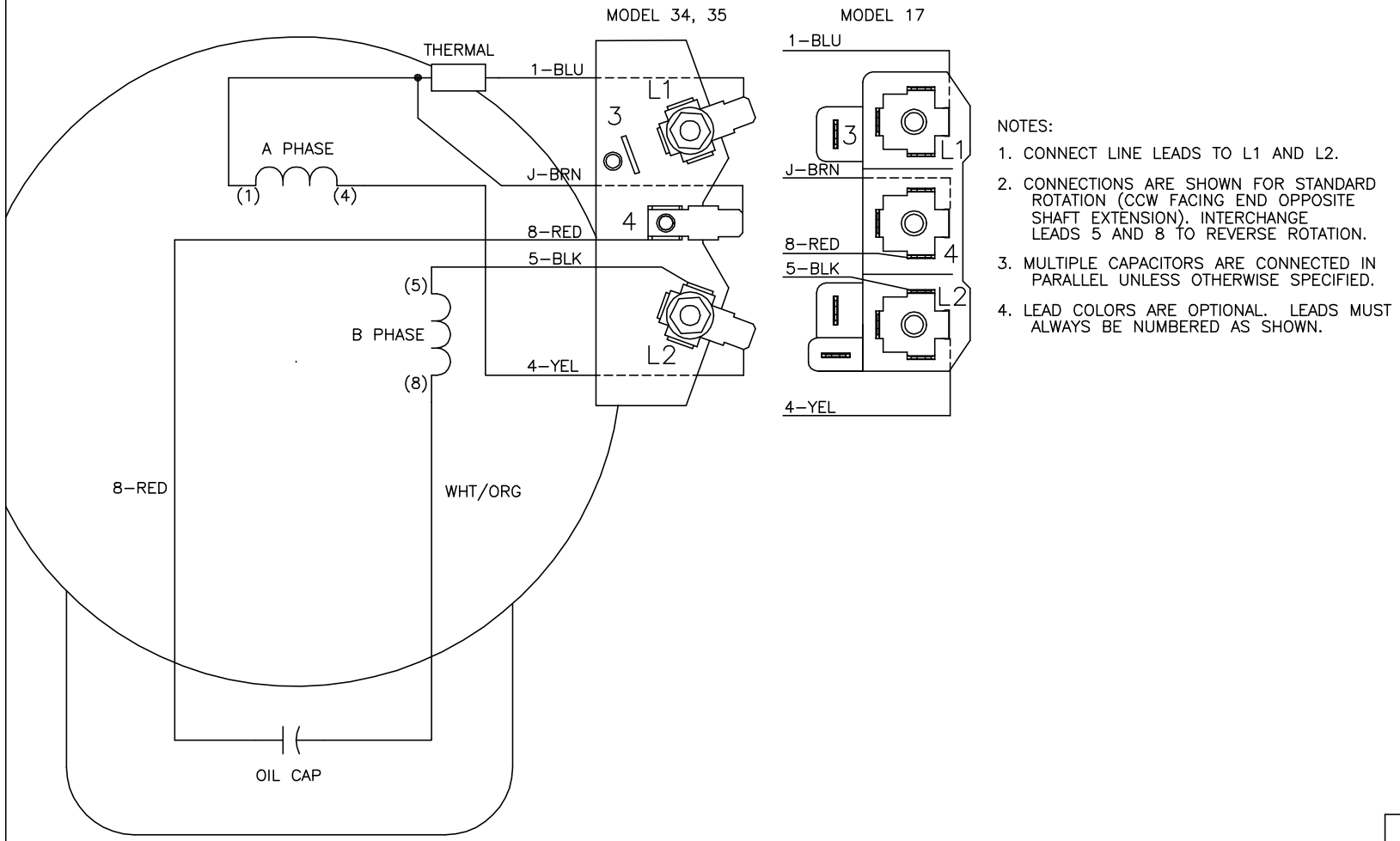
REV. DESC: LOAD TO SOLIDWORKS - REV "-"			
REV: A	VERSION: 01	REVISED: 03:23:49 05/19/2023	TDR: 000001201165
34LYM195	MODEL NO. 34LYM195		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

PED MOUNT 34C NEMA 48YZ TEAO TERM PANEL, EXT TBLTS

34LYM195

CD0798



NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0798

REV. DESC: OMIT (WHT/BLU) MARKER			BALDOR ELECTRIC Co.
REV. LTR: D	BY: MEM	REVISED: 10:36:40 11/25/2002	TDR: 288036
CD0798		FILE: AAA00007314	REF: CD0798
		MTL: –	TYPE C, SV, REV, THERMAL (T'STAT IN LINE), TERM PLATE