ABB BALDOR RELIANCE

Customer information packet

HIC274A

.33HP, 1725RPM, 1PH, 60HZ, 48Z, 3414C, TEAO, F1
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/1/2026 7:23:05 PM

Specifications

Enclosure	TEAO
Frame	48Z
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	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	2.200 A @ 230.0 V
	4.400 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	66.0 %
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	2.2 a
Insulation Class	F

Part Detail

Revision	L
Type	AC
Mech. spec.	34M259
Base	
Status	PRD/A
Elec. spec.	34WGR069
Layout	34LYM259
Eff. date	10-28-2024
CD Diagram	CD0804A01
Poles	04
Leads	9#18
Proprietary	False
Created date	06-03-2013

Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3414C
Mounting Arrangement	F1
Number of Poles	4
Overall Length	10.09 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Multiple Flats
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	1725 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
Winding Thermal 2	None

Nameplate

NP1257L										
CAT.NO.	HIC274A									
SPEC.	34M259R069G1									
HP	.33									
VOLTS	115/230									
AMP	4.4/2.2									
RPM	1725									
FRAME	48Z		**HZ**	60		**PH**	1			
SER.F.	1.00	**CODE**	H	**DES**	-	**CL**	F			
NEMA-NOM-EFF	66	**PF**	75							
RATING	40C AMB-CONT									
CC										
DE	6203	**ODE**	6203							
ENCL	TEAO	**SN**								

Parts List

Part number	Description	Quantity
SA264079	SA 34M259R069G1	1.000 ea
RA250793	RA 34M259R069G1	1.000 ea
OC3020F12SP	CAPACITORS 20 MFD 370 VAC	1.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
33CB4800A01	CAPACITOR COVER, STAMPED	1.000 ea
35GS3001A01	GASKET, CAPACITOR COVER	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
WD4100A42	CAPLUG BPF-3/4, FOR 1/2" NPT OR 3/4 HOLE	1.000 ea
34EP3204D01	SPL FR ENDPLATE 34L - ENCL	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3109D01	PU ENDPLATE, MACH ENCL, 5.125 B.C.	1.000 ea
XY0832A02	8-32 HEX NUT	8.000 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
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
ML14-8C18	18 AWG, 8,RED	31.000 in
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	2.000 ea
WD1000A27	2-520263-4 AMP TRM 3.4/RL	1.000 ea
WD1000A28	SPADE TERM,18-22AWG.INSUL.(3./RL) AMP# 2	1.000 ea
WD1000A27	2-520263-4 AMP TRM 3.4/RL	1.000 ea
WD1000A28	SPADE TERM,18-22AWG.INSUL.(3./RL) AMP# 2	1.000 ea
ML14-6L18	18 AWG, 6,PURPLE	21.000 in
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	1.000 ea
ML14-6L18	18 AWG, 6,PURPLE	21.000 in
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	1.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	7.000 ea

SP5068A29	MODEL 34 TERM PANEL SWITCH "L"	1.000 ea
HA3169A07	THRUBOLT #8-32 THDS X 8.188" LONG	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
34PA1002	PKG GRP, PRINT PK1001A02	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea

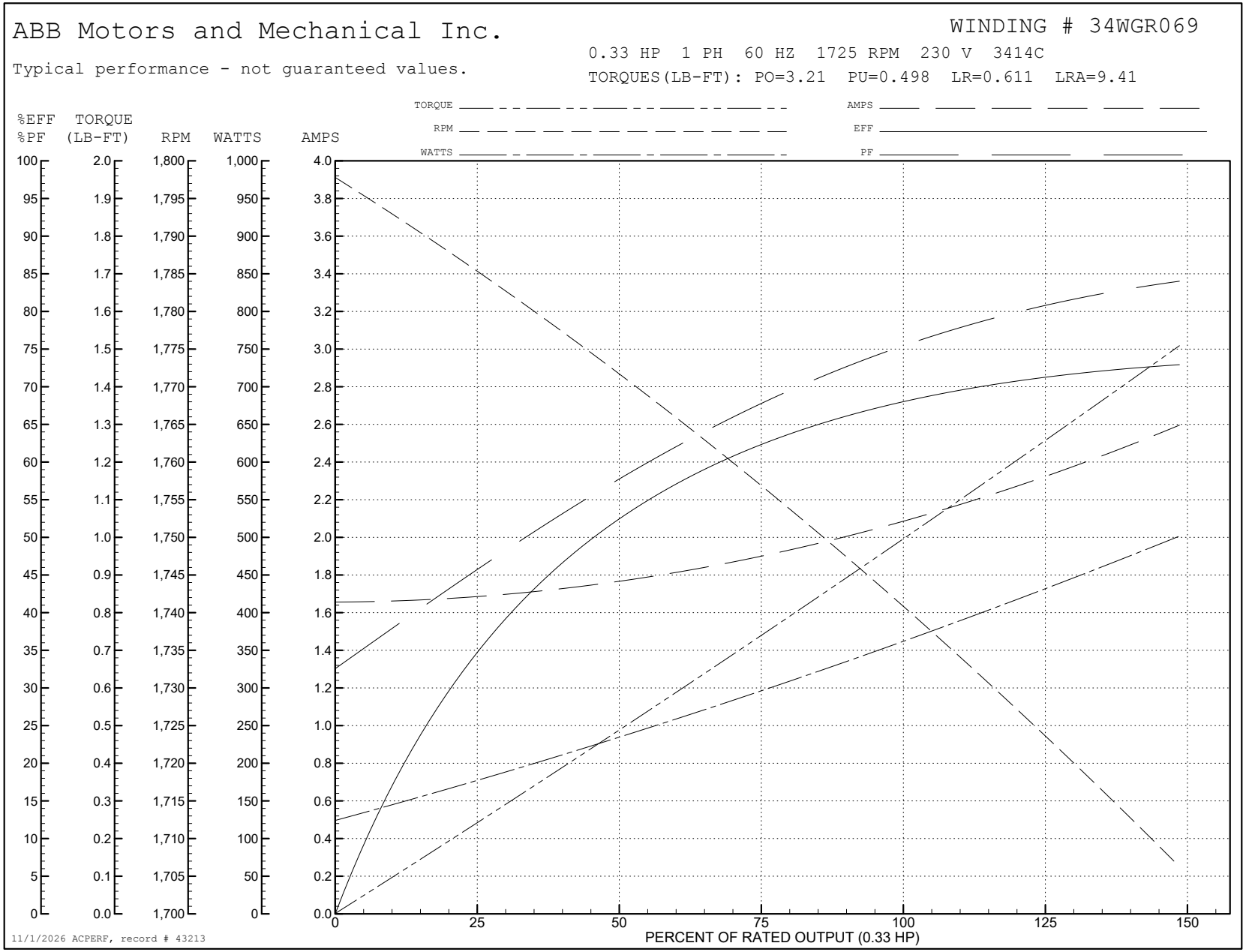
AC Induction Motor Performance Data
Record # 43213
Typical performance - not guaranteed values

Winding: 34WGR069-R001	**Type:** 3414C	**Enclosure:** TEAO

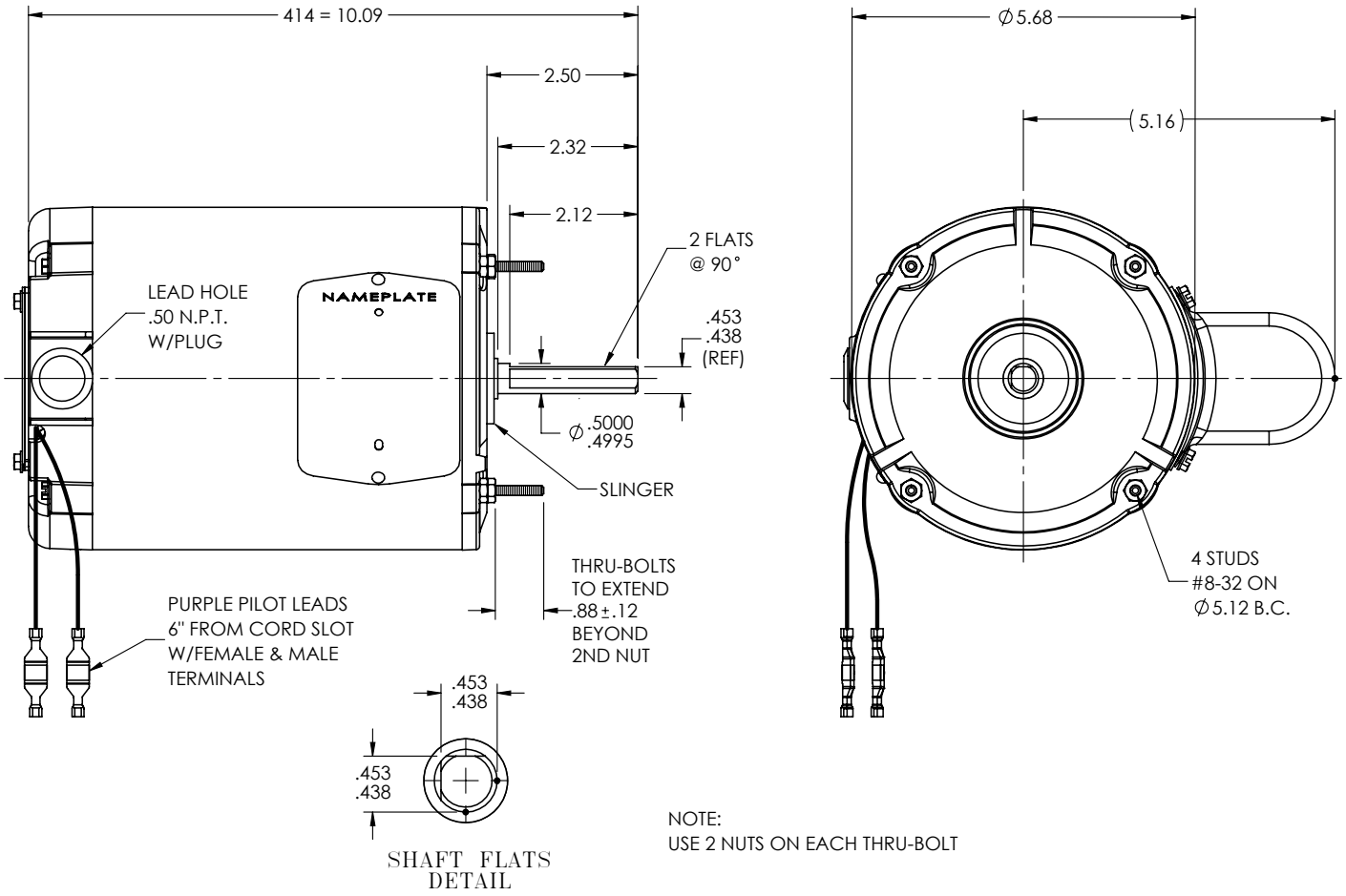
Nameplate Data			**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		.33 AIR OVER	**Full Load Torque**	1.01 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		4.4/2.2	**Breakdown Torque**	3.21 LB-FT
R.P.M.		1725	**Pull-up Torque**	0.498 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	0.611 LB-FT
NEMA Design Code	- **KVA Code**	H	**Starting Current**	9.41 A
Service Factor (S.F.)		1	**No-load Current**	1.66 A
NEMA Nom. Eff.	66 **Power Factor**	75	**Line-line Res. @ 25ºC**	8.3747 Ω A Ph 7.1689 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	47	59	69	75	80	84
Efficiency	35.9	53.3	62.8	68.4	71.3	72.9
Speed	1782.8	1770.3	1756	1741.4	1724.1	1705.6
Line amperes	1.69	1.76	1.91	2.11	2.32	2.59


ABB Motors and Mechanical Inc.
WINDING # 34WGR069
Typical performance - not guaranteed values.
0.33 HP 1 PH 60 HZ 1725 RPM 230 V 3414C
TORQUES(LB-FT): PO=3.21 PU=0.498 LR=0.611 LRA=9.41
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
1,800 1,795 1,790 1,785 1,780 1,775 1,770 1,765 1,760 1,755 1,750 1,745 1,740 1,735 1,730 1,725 1,720 1,715 1,710 1,705 1,700
1,000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50 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 75 100 125 150
PERCENT OF RATED OUTPUT (0.33 HP)
11/1/2026 ACPERF, record # 43213

34LYM259



NOTE:
USE 2 NUTS ON EACH THRU-BOLT

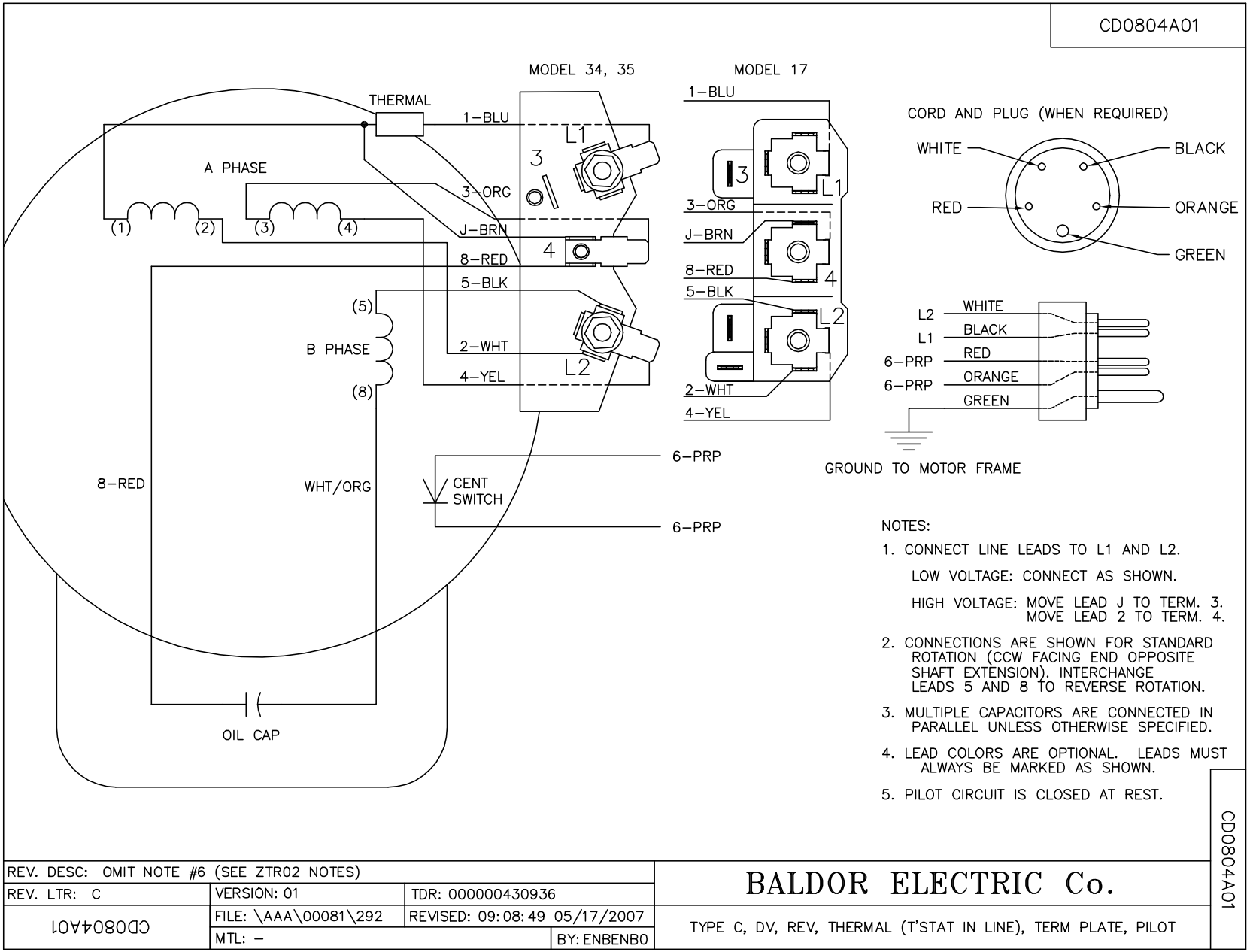
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: UPDATE CONN'S SHOWING IN LAYOUYT TO WD1000A27, A28			
REV: B	VERSION: 02	REVISED: 10:26:40 06/21/2023	TDR: 000001211422
34LYM259	MODEL NO. 34LYM259		REF: -
	BY: ENJEFD0		

BALDOR - RELIANCE®

VER 34C NEMA 48Z TEAO TERM PANEL, PILOT CIRCUIT, CAP @ 3:00

34LYM259


CD0804A01
MODEL 34, 35
MODEL 17
THERMAL
1-BLU
A PHASE
3-ORG
J-BRN
8-RED
5-BLK
2-WHT
4-YEL
B PHASE
6-PRP
6-PRP
8-RED
WHT/ORG
CENT SWITCH
OIL CAP
L1
L2
CORD AND PLUG (WHEN REQUIRED)
WHITE
BLACK
RED
ORANGE
GREEN
L2
L1
6-PRP
6-PRP
GROUND TO MOTOR FRAME
NOTES:
1. CONNECT LINE LEADS TO L1 AND L2.
LOW VOLTAGE: CONNECT AS SHOWN.
HIGH VOLTAGE: MOVE LEAD J TO TERM. 3.
MOVE LEAD 2 TO TERM. 4.
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 MARKED AS SHOWN.
5. PILOT CIRCUIT IS CLOSED AT REST.
CD0804A01
REV. DESC: OMIT NOTE #6 (SEE ZTR02 NOTES)
REV. LTR: C
VERSION: 01
TDR: 000000430936
FILE: \AAA\00081\292
REVISED: 09:08:49 05/17/2007
MTL: –
BY: ENBENBO
BALDOR ELECTRIC Co.
TYPE C, DV, REV, THERMAL (T'STAT IN LINE), TERM PLATE, PILOT
CD0804A01