ABB BALDOR RELIANCE

Customer information packet

HIC274A

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

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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**								

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

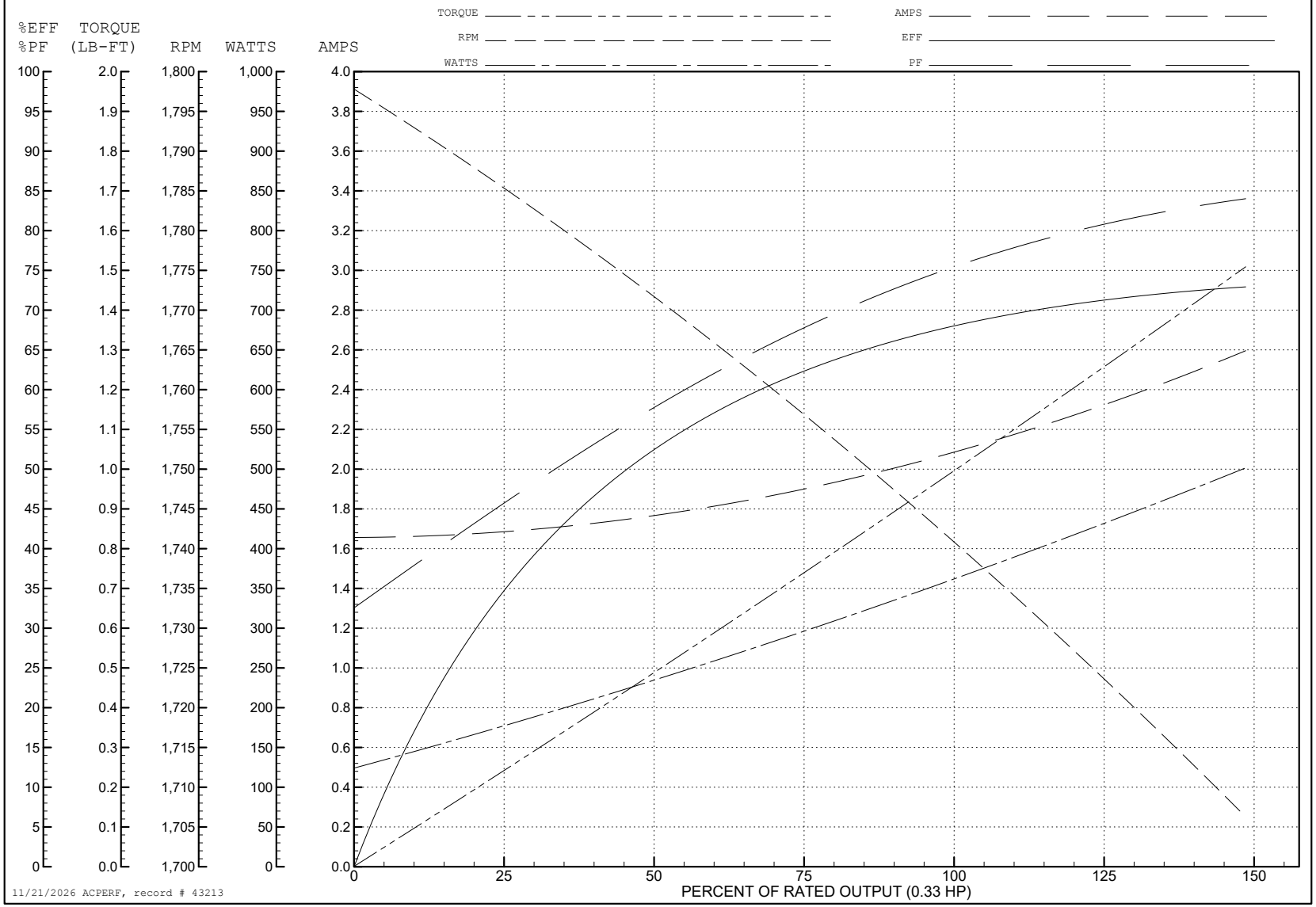
ABB Motors and Mechanical Inc.

WINDING # 34WGR069

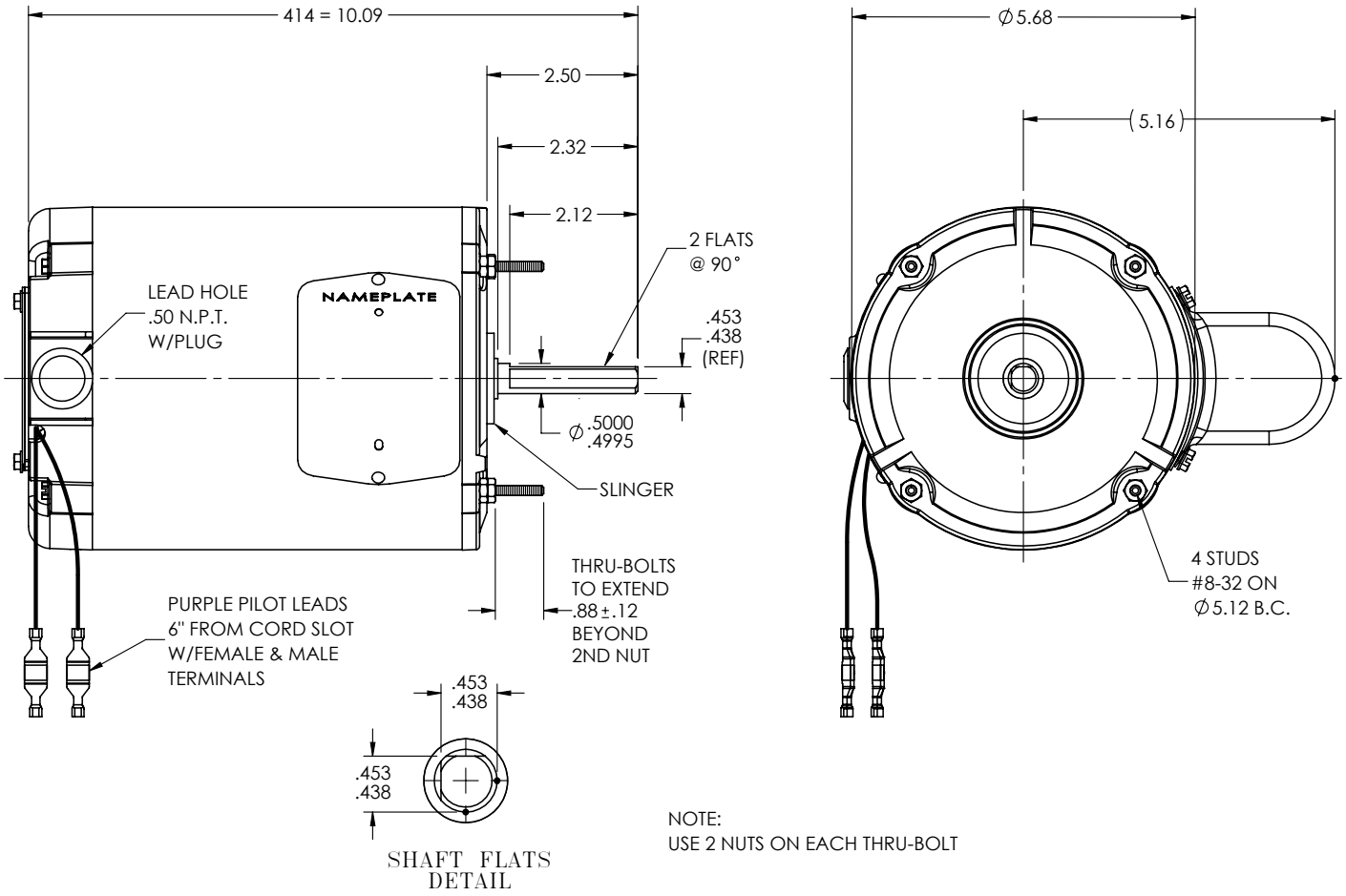
0.33 HP 1 PH 60 HZ 1725 RPM 230 V 3414C

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=3.21 PU=0.498 LR=0.611 LRA=9.41



34LYM259



NOTE:
USE 2 NUTS ON EACH THRU-BOLT

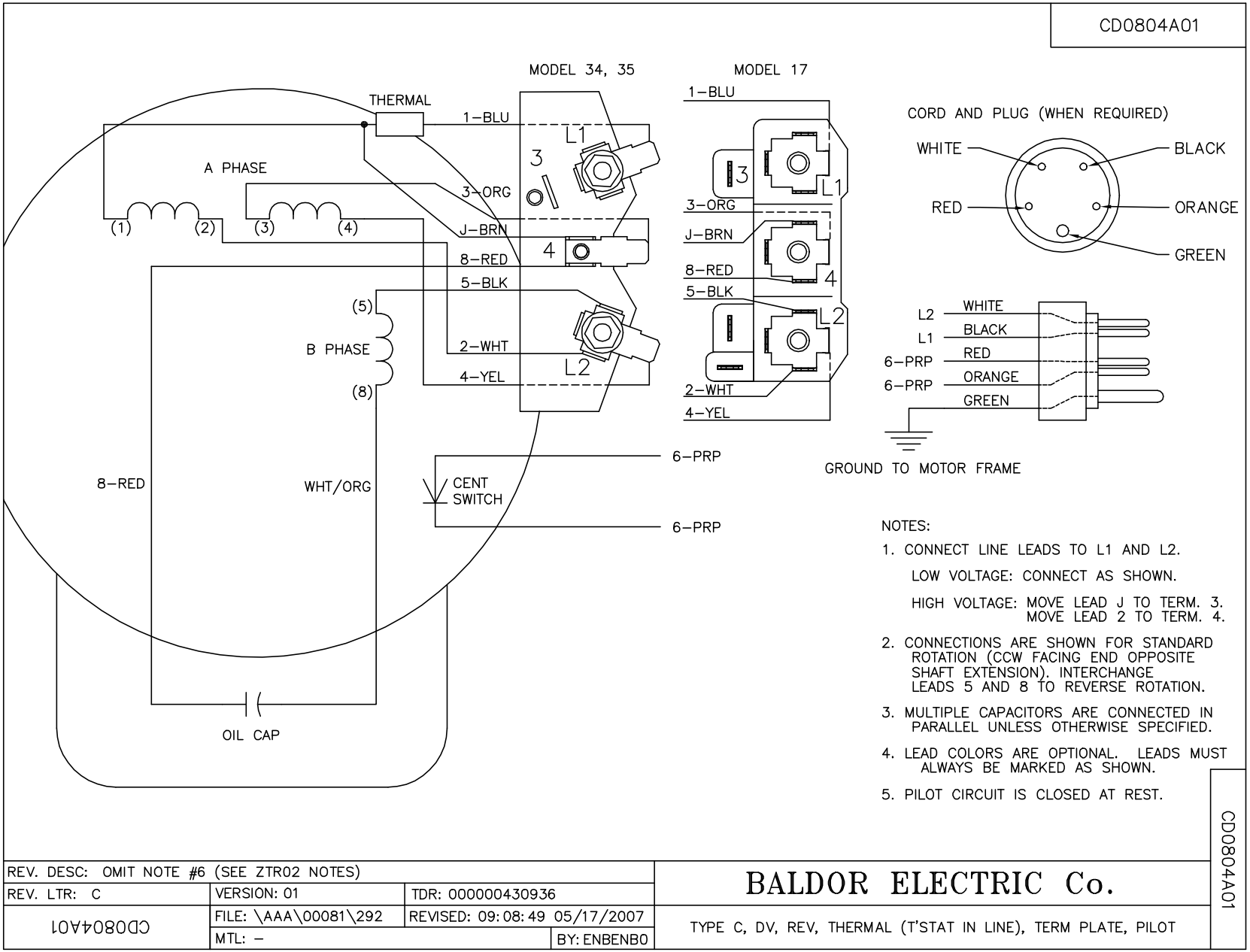
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

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