ABB BALDOR RELIANCE

Customer information packet

ERL1203A

.25HP, 1725RPM, 1PH, 60HZ, 48, 3411LC, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	48
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	.250 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	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	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.600 A @ 115.0 V
	1.900 A @ 208.0 V
	1.300 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.3 a

Part Detail

Revision	M
Type	AC
Mech. spec.	34G752
Base	
Status	PRD/A
Elec. spec.	34WGR219
Layout	34LYG752
Eff. date	10-29-2024
CD Diagram	CD0703
Poles	04
Leads	7#18
Proprietary	False
Created date	10-02-2014

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3411LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	10.97 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.35
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	No 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	SB

Winding Thermal 2	None

Nameplate

NP3273L								
CAT.NO.	ERL1203A							
SPEC.	34G752R219G1							
HP	.25							
VOLTS	115/230							
AMP	2.6/1.3							
RPM	1725							
FRAME	48	**HZ**	60		**PH**	1		
SER.F.	1.35	**CODE**	L	**DES**	-	**CL**	F	
F.L. AVG. EFF.	68.5	**PF**	89					
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	OPEN	**SN**						
	SFA 3.4/1.7							

AC Induction Motor Performance Data
Record # 48687
Typical performance - not guaranteed values

Winding: 34WGR219-R001	**Type:** 3411LC	**Enclosure:** OPEN

Nameplate Data			**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)		.25	**Full Load Torque**	0.754 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		2.6/1.3	**Breakdown Torque**	1.86 LB-FT
R.P.M.		1725	**Pull-up Torque**	1.57 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	2.48 LB-FT
NEMA Design Code	- **KVA Code**	L	**Starting Current**	20.3 A
Service Factor (S.F.)		1.35	**No-load Current**	1.53 A
NEMA Nom. Eff.	68.5 **Power Factor**	89	**Line-line Res. @ 25ºC**	3.4881 Ω A Ph 6.3165 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	27°C
S.F. Amps		3.7/1.7	**Temp. Rise @ S.F. Load**	34°C

Load Characteristics 115 V, 60 Hz, 0.25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	67	79	85	90	92	94	93
Efficiency	37.2	55.5	65.1	69.7	71.4	71.1	71.3
Speed	1783.6	1770.8	1755.8	1739.1	1717.7	1691.5	1707
Line amperes	1.63	1.85	2.18	2.59	3.1	3.69	3.34

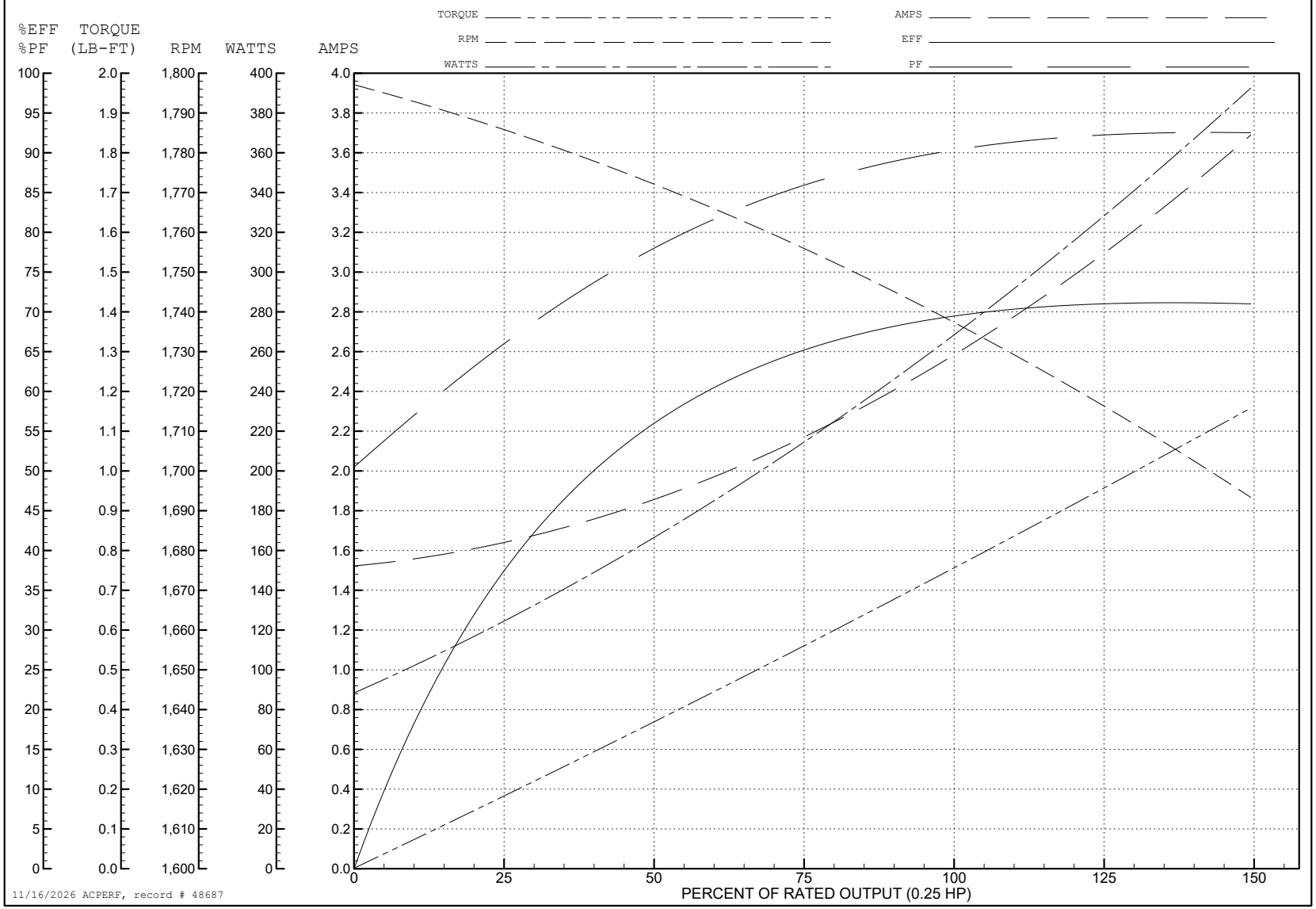
ABB Motors and Mechanical Inc.

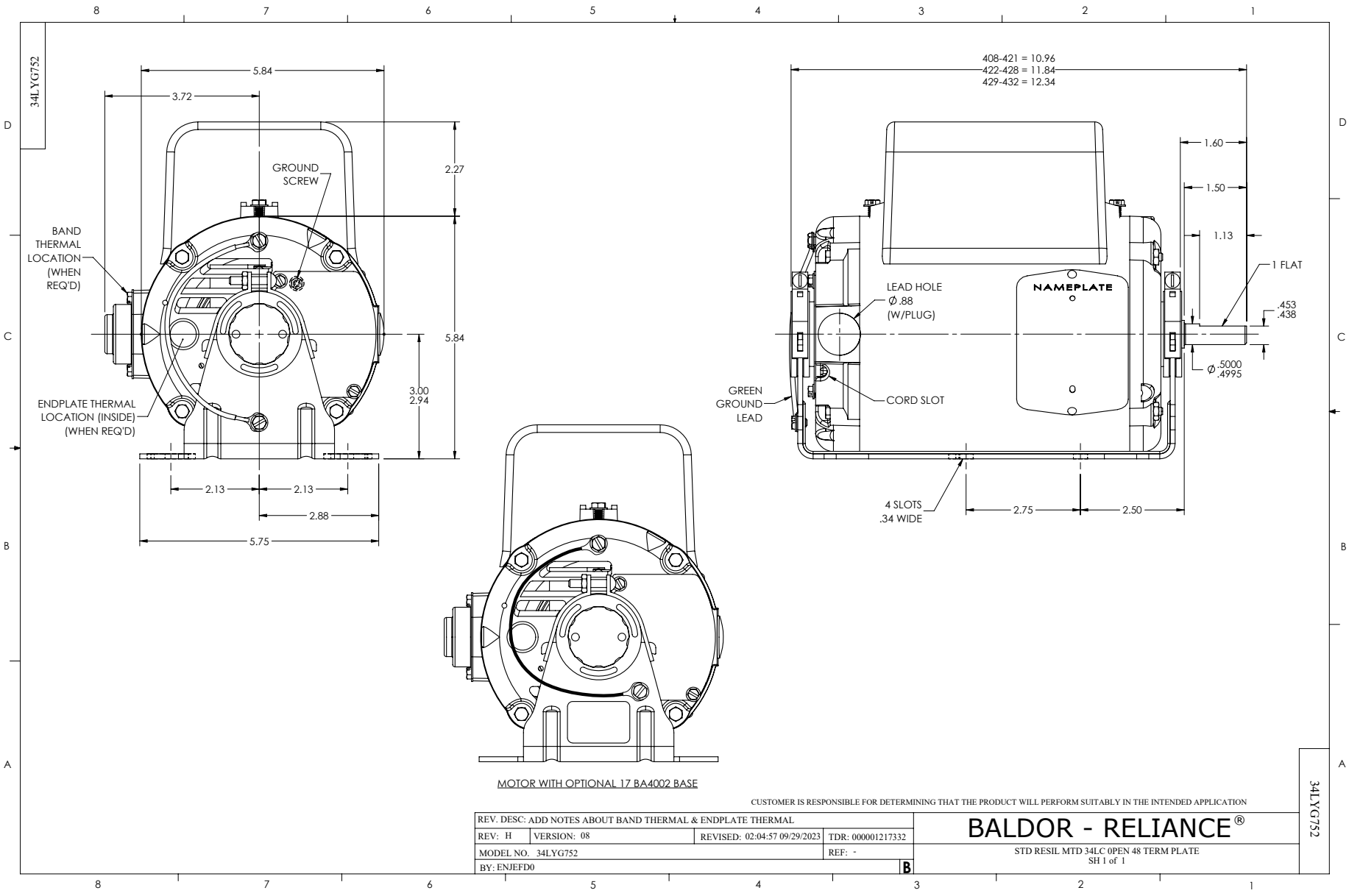
WINDING # 34WGR219

0.25 HP 1 PH 60 HZ 1725 RPM 115 V 3411LC

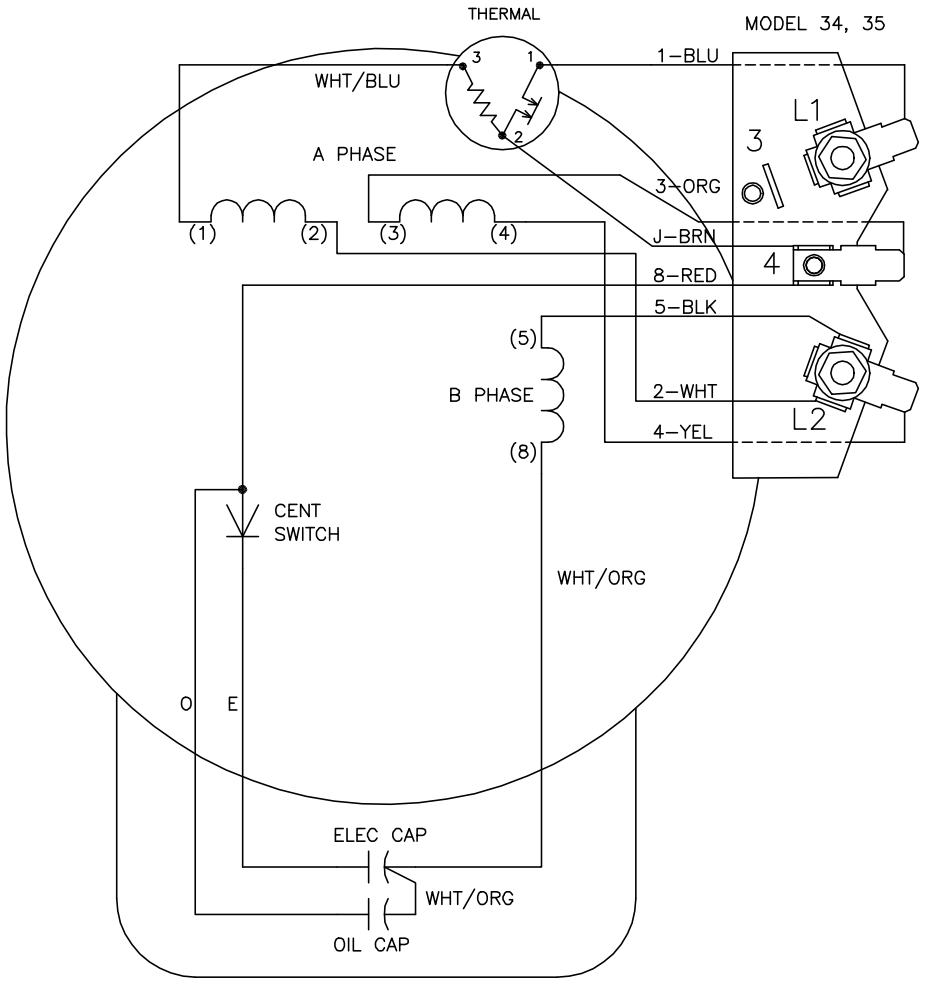
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=1.86 PU=1.57 LR=2.48 LRA=20.3




34LYG752
5.84
3.72
GROUND SCREW
2.27
BAND THERMAL LOCATION (WHEN REQ'D)
5.84
3.00
2.94
ENDPLATE THERMAL LOCATION (INSIDE) (WHEN REQ'D)
2.13
2.13
2.88
5.75
408-421 = 10.96
422-428 = 11.84
429-432 = 12.34
1.60
1.50
1.13
1 FLAT
.453
.438
LEAD HOLE Ø .88 (W/PLUG)
NAMEPLATE
Ø .5000
.4995
GREEN GROUND LEAD
CORD SLOT
4 SLOTS .34 WIDE
2.75
2.50
MOTOR WITH OPTIONAL 17 BA4002 BASE
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD NOTES ABOUT BAND THERMAL & ENDPLATE THERMAL
REV: H
VERSION: 08
REVISED: 02:04:57 09/29/2023
TDR: 000001217332
MODEL NO. 34LYG752
REF: -
BY: ENJEFD0
B
BALDOR - RELIANCE®
STD RESIL MTD 34LC 0PEN 48 TERM PLATE
SH 1 of 1
34LYG752

CD0703



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 NUMBERED AS SHOWN.

CD0703

REV. DESC: REMOVE MODEL 17 CONNECTION		
REV. LTR: G	VERSION: 02	TDR: 000001218314
FILE: \AAA\00007\140	REVISED: 08:28:11 10/11/2023	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

TYPE LC, DV, REV, THERMAL, TERMINAL PLATE

SH 1 of 1