BALDOR • RELIANCE

Customer information packet

EL11203M

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

3/22/2024 4:37:46 PM

Specifications

Enclosure	OPEN
Frame	48
Frame Material	Steel
Frequency	60.00 Hz
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
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
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
Design Code	-
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	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.3 a

Part detail

Revision	L
Type	AC
Mech. spec.	34F351
Base	
Status	PRD/A
Elec. spec.	34WGR218
Layout	34LYF351
Eff. date	06-15-2023
CD Diagram	CD0320
Poles	04
Leads	7#18
Proprietary	False
Created date	10-03-2014

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
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	9.76 IN
Power Factor	89
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	1.35
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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	Manual Thermal Overload
Winding Thermal 1 Location	SB

Winding Thermal 2	None

Nameplate

NP3273L									
CAT.NO.	EL11203M								
SPEC.	34F351R218G1								
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		**USABLE AT 208V**					N/A		
DE	6203	**ODE**	6203						
ENCL	OPEN	**SN**							
	SFA 3.4/1.7								

AC Induction Motor Performance Data
Record # 62090
Typical performance - not guaranteed values

Winding: 34WGR218-R002 **Type:** 3411LC **Enclosure:** OPEN

Nameplate Data			
Rated Output (HP)			.25
Volts			115/230
Full Load Amps			2.6/1.3
R.P.M.			1725
Hz	60	**Phase**	1
NEMA Design Code	-	**KVA Code**	L
Service Factor (S.F.)			1.35
NEMA Nom. Eff.	68.5	**Power Factor**	89
Rating - Duty			40C AMB-CONT
S.F. Amps			3.4/1.7

115 V, 60 Hz: Low Voltage Connection	
Full Load Torque	0.754 LB-FT
Start Configuration	direct on line
Breakdown Torque	1.86 LB-FT
Pull-up Torque	1.57 LB-FT
Locked-rotor Torque	2.48 LB-FT
Starting Current	20.3 A
No-load Current	1.53 A
Line-line Res. @ 25ºC	3.4881 Ω A Ph 6.3165 Ω B Ph
Temp. Rise @ Rated Load	27°C
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

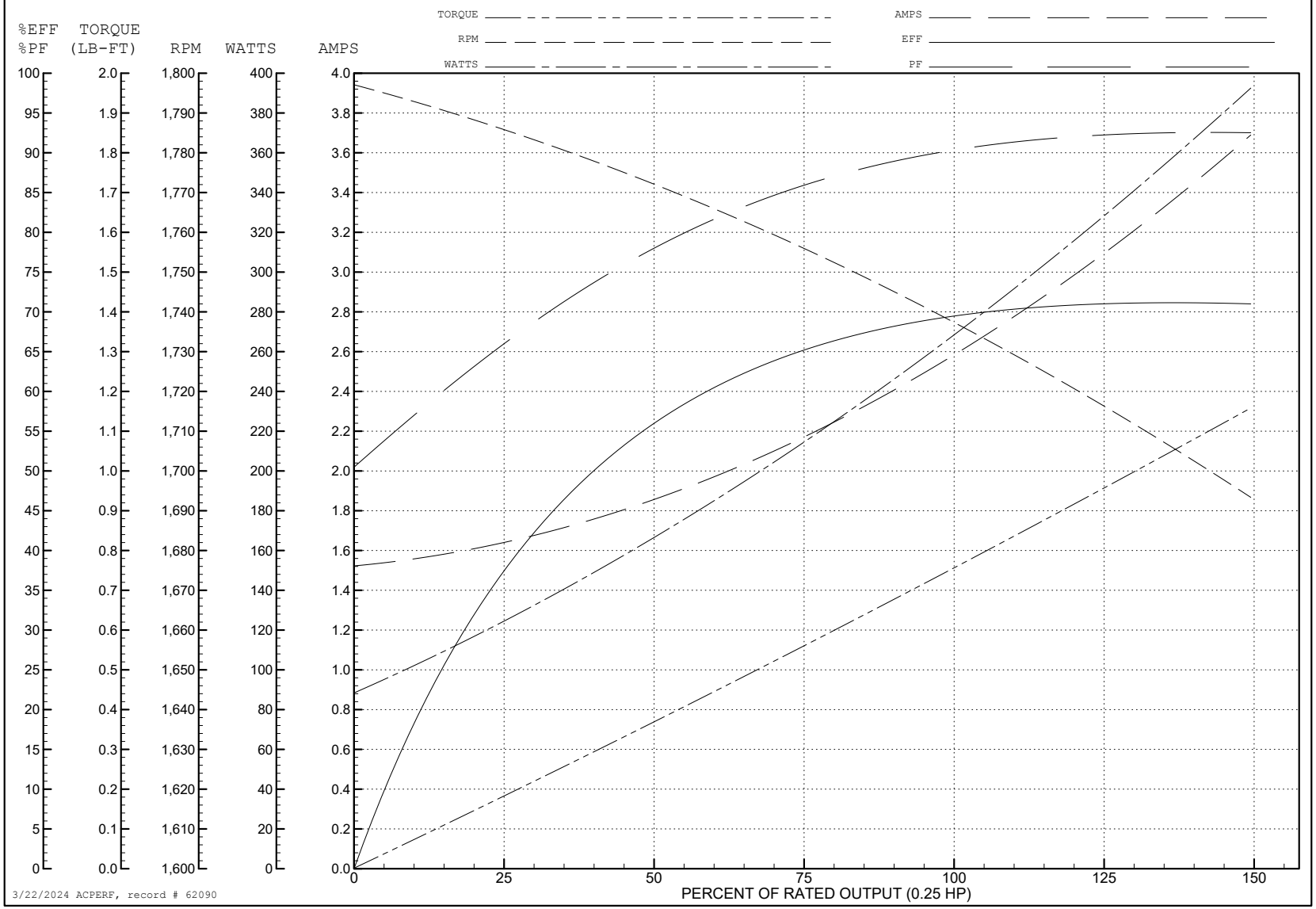
ABB Motors and Mechanical Inc.

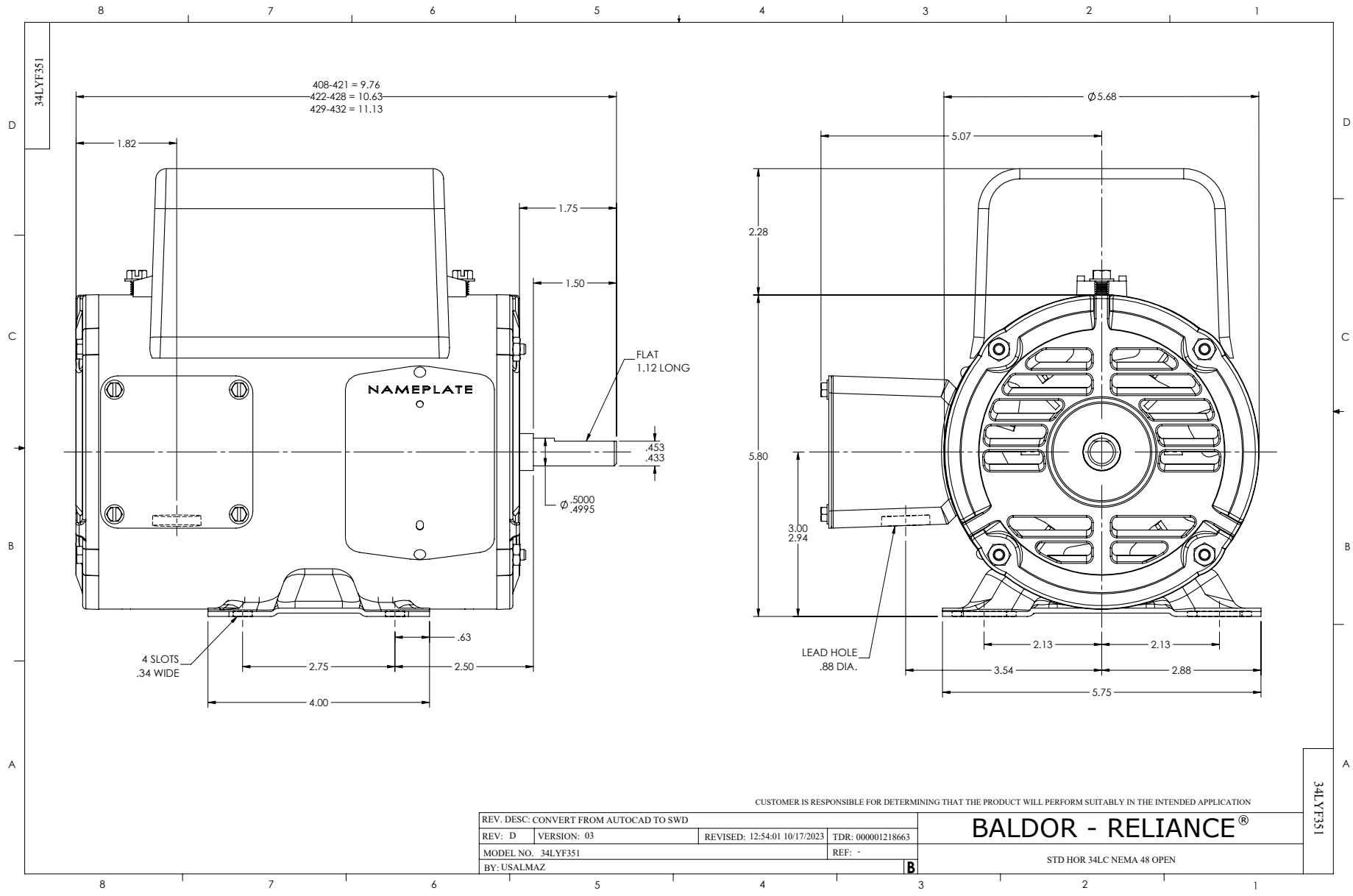
WINDING # 34WGR218

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

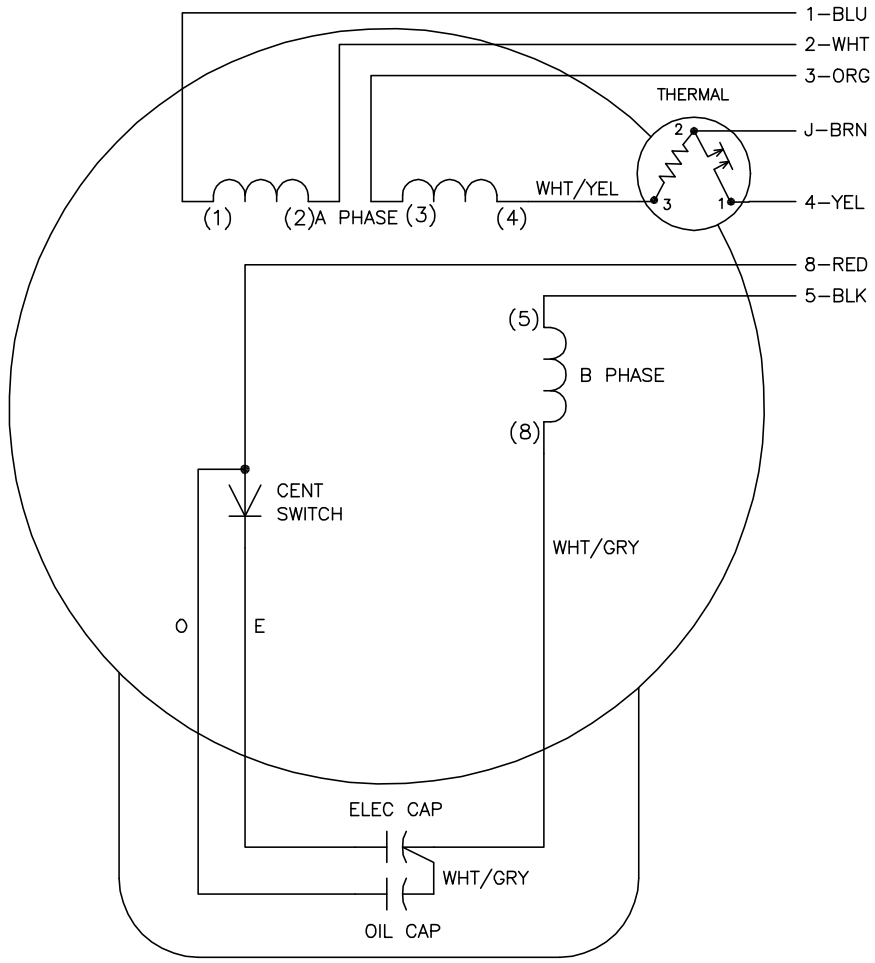
Typical performance - not guaranteed values.

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




34LYF351
408-421 = 9.76
422-428 = 10.63
429-432 = 11.13
1.82
1.75
1.50
FLAT
1.12 LONG
NAMEPLATE
.453
.433
Ø .5000
.4995
4 SLOTS
.34 WIDE
.63
2.75
2.50
4.00
Ø5.68
5.07
2.28
5.80
3.00
2.94
LEAD HOLE
.88 DIA.
2.13
2.13
3.54
2.88
5.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: D
VERSION: 03
REVISED: 12:54:01 10/17/2023
TDR: 000001218663
MODEL NO. 34LYF351
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HOR 34LC NEMA 48 OPEN
34LYF351

CD0320



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

NOTES:

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

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: –		

BALDOR

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

SH 1 of 1