ABB BALDOR RELIANCE

Customer information packet

EL11206M

.33HP, 1740RPM, 1PH, 60HZ, 48, 3418LC, 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	.330 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	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.400 A @ 115.0 V
	1.800 A @ 208.0 V
	1.700 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	72.4 %
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	1.7 a

Part Detail

Revision	F
Type	AC
Mech. spec.	34F351
Base	
Status	PRD/A
Elec. spec.	34WGR216
Layout	34LYF351
Eff. date	12-31-2024
CD Diagram	CD0320
Poles	04
Leads	7#18
Proprietary	False
Created date	01-27-2017

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
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	3418LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	9.76 IN
Power Factor	85
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	1740 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.	EL11206M									
SPEC.	34F351R216G1									
HP	.33									
VOLTS	115/230									
AMP	3.4/1.7									
RPM	1740									
FRAME	48		**HZ**	60			**PH**	1		
SER.F.	1.35	**CODE**	K	**DES**	N	**CL**	F			
F.L. AVG. EFF.	72.4	**PF**	85							
RATING	40C AMB-CONT									
CC										
DE	6203		**ODE**	6203						
ENCL	OPEN	**SN**								
	SFA 4.4/2.2									

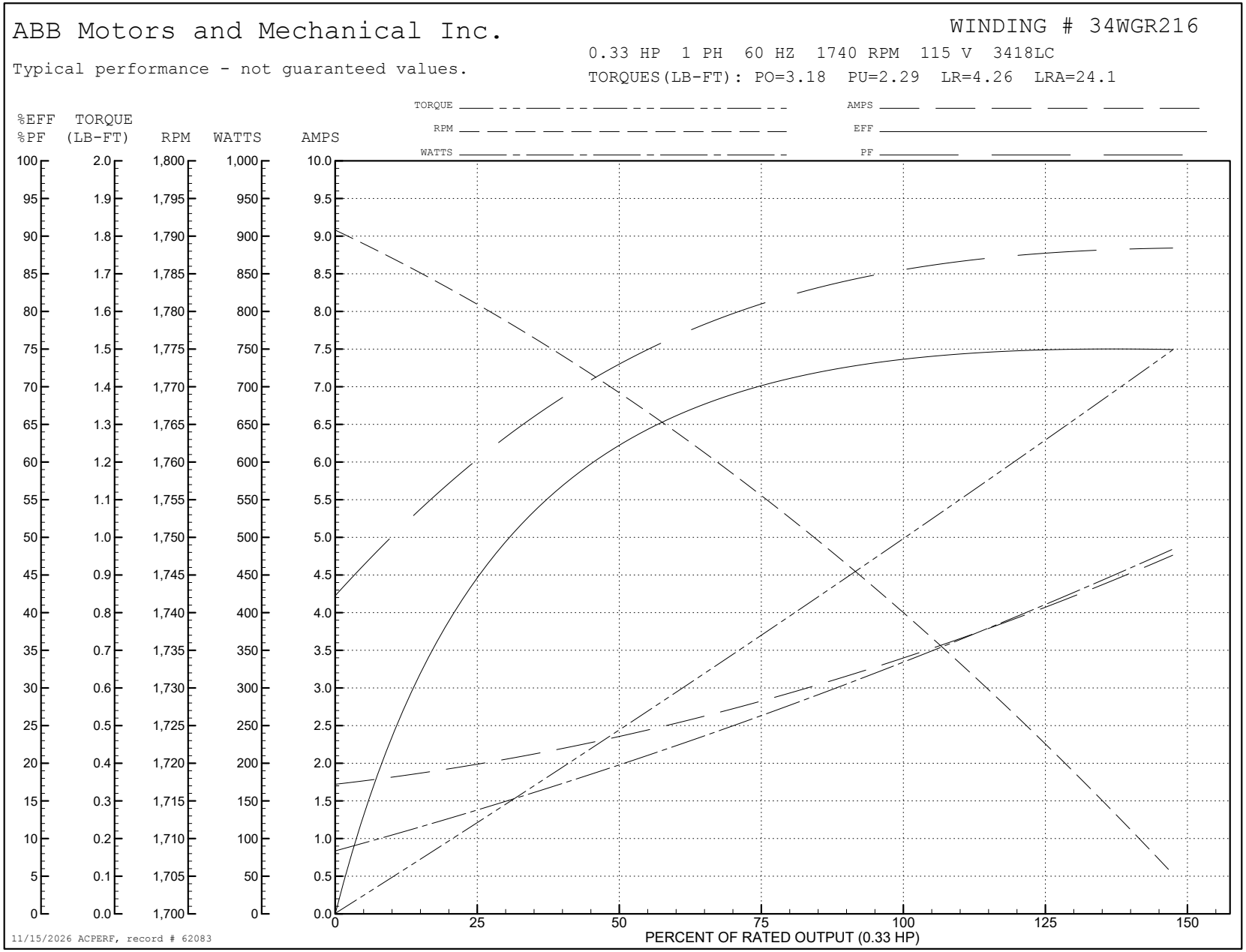
AC Induction Motor Performance Data
Record # 62083
Typical performance - not guaranteed values

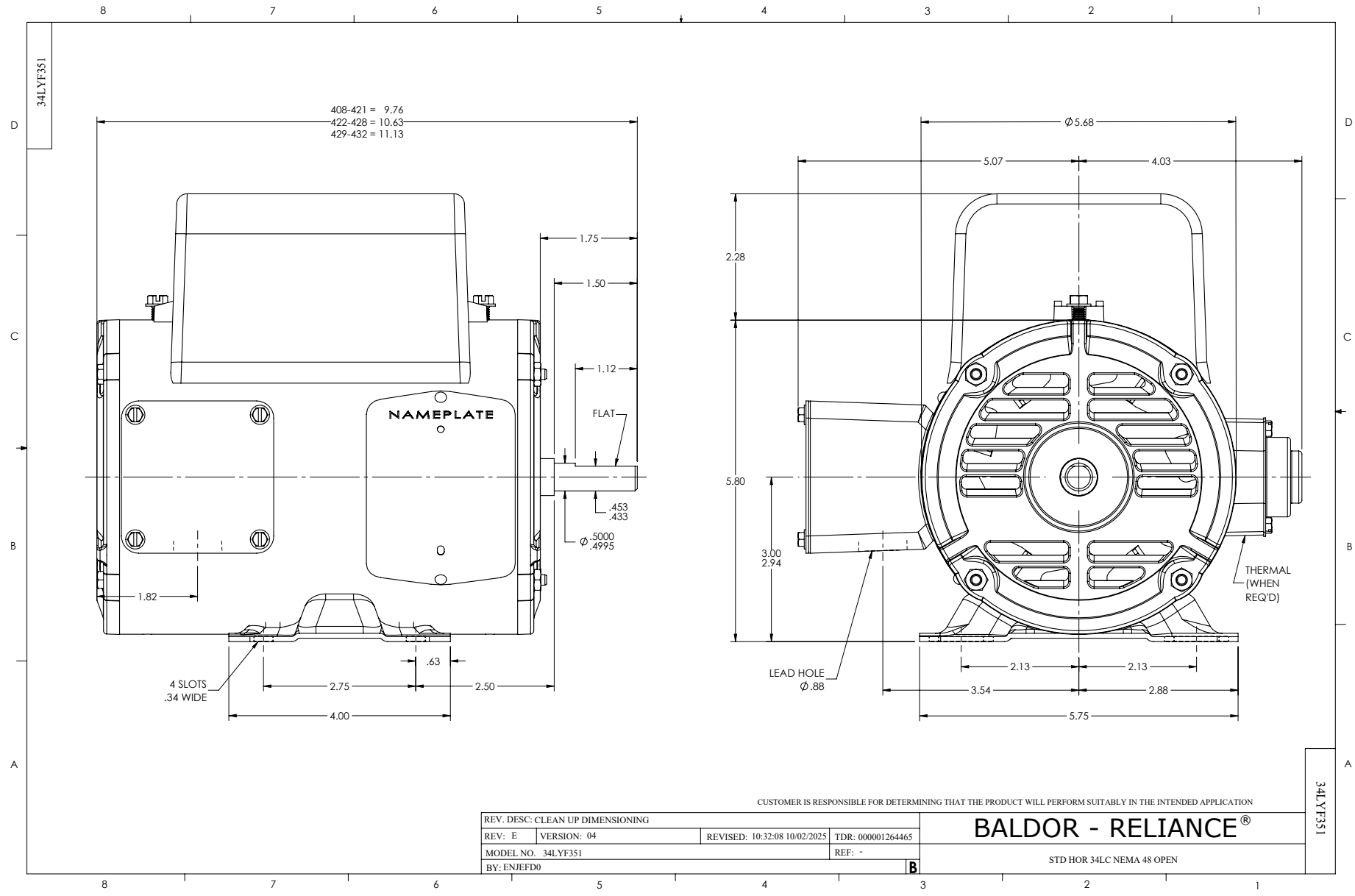
Winding: 34WGR216-R002	**Type:** 3418LC	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			.33	**Full Load Torque**	0.996 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			3.4/1.7	**Breakdown Torque**	3.18 LB-FT
R.P.M.			1740	**Pull-up Torque**	2.29 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	4.26 LB-FT
NEMA Design Code	N	**KVA Code**	K	**Starting Current**	24.1 A
Service Factor (S.F.)			1.35	**No-load Current**	1.69 A
NEMA Nom. Eff.	72.4	**Power Factor**	85	**Line-line Res. @ 25ºC**	1.7428 Ω A Ph 5.5858 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	35°C
S.F. Amps			4.4/2.2	**Temp. Rise @ S.F. Load**	42°C

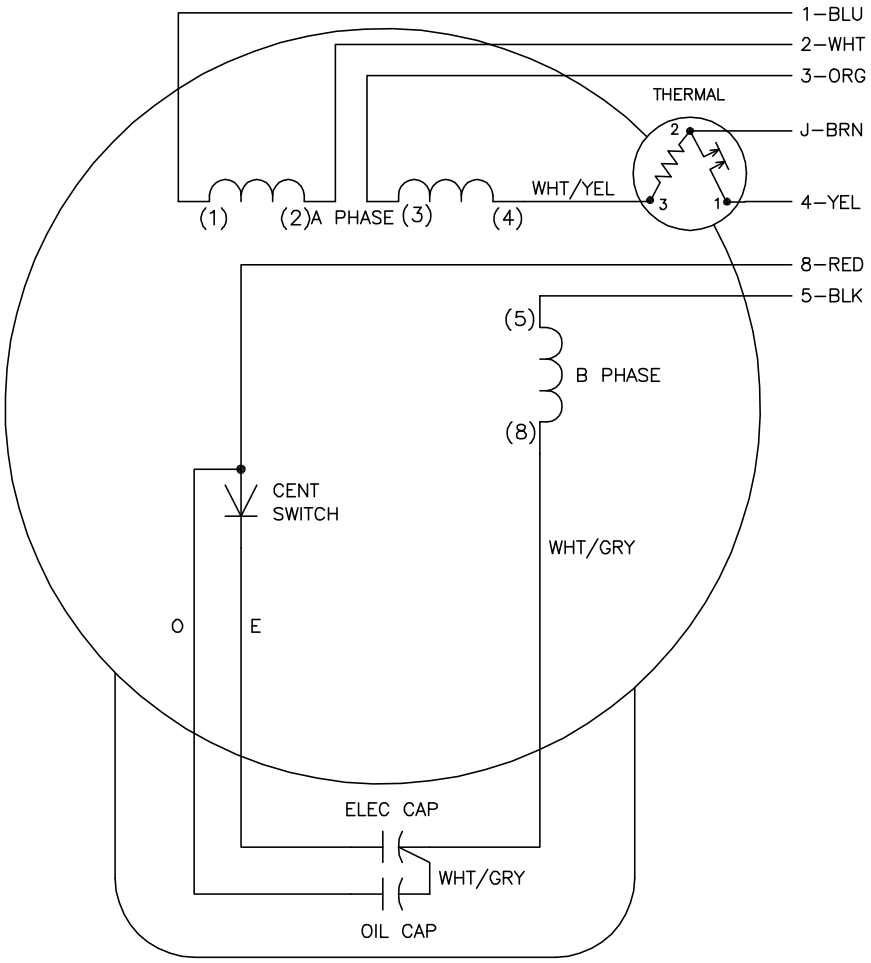
Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	72	81	85	87	89	88
Efficiency	32.1	64.5	69.3	73.5	76.7	73.7	75.5
Speed	1780.3	1770	1754.7	1739.9	1725.3	1703.3	1716
Line amperes	1.96	2.31	2.87	3.43	3.99	4.81	4.32


ABB Motors and Mechanical Inc.
WINDING # 34WGR216
0.33 HP 1 PH 60 HZ 1740 RPM 115 V 3418LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=3.18 PU=2.29 LR=4.26 LRA=24.1
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.33 HP)
11/15/2026 ACPERF, record # 62083


34LYF351
408-421 = 9.76
422-428 = 10.63
429-432 = 11.13
1.75
1.50
1.12
FLAT
NAMEPLATE
.453
.433
Ø .5000
.4995
1.82
.63
4 SLOTS
.34 WIDE
2.75
2.50
4.00
Ø5.68
5.07
4.03
2.28
5.80
3.00
2.94
THERMAL
(WHEN
REQ'D)
LEAD HOLE
Ø .88
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: CLEAN UP DIMENSIONING
REV: E
VERSION: 04
REVISED: 10:32:08 10/02/2025
TDR: 000001264465
MODEL NO. 34LYF351
REF: -
BY: ENJEFD0
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