ABB BALDOR RELIANCE

Customer information packet

CFDL3507M

.75HP, 1725RPM, 1PH, 60HZ, 56C, 3432LC, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	56C
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	.750 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	8.800 A @ 115.0 V
	4.400 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
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	4.4 a

Part Detail

Revision	H
Type	AC
Mech. spec.	34M369
Base	
Status	PRD/A
Elec. spec.	34WGW937
Layout	34LYM369
Eff. date	01-13-2025
CD Diagram	CD0320
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	12-03-2013

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3432LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.35 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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	Manual Thermal Overload
Winding Thermal 1 Location	KO

Winding Thermal 2	None

Nameplate

NP1280L											
CAT.NO.	CFDL3507M										
SPEC.	34M369W937										
HP	.75										
VOLTS	115/230										
AMP	8.8/4.4										
RPM	1725										
FRAME	56C	**HZ**	60		**PH**	1					
SER.F.	1.25	**CODE**	M	**DES**	N	**CL**	B				
NEMA-NOM-EFF	74	**PF**	75								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	TEFC	**SN**									
	SFA 10.2/5.1										

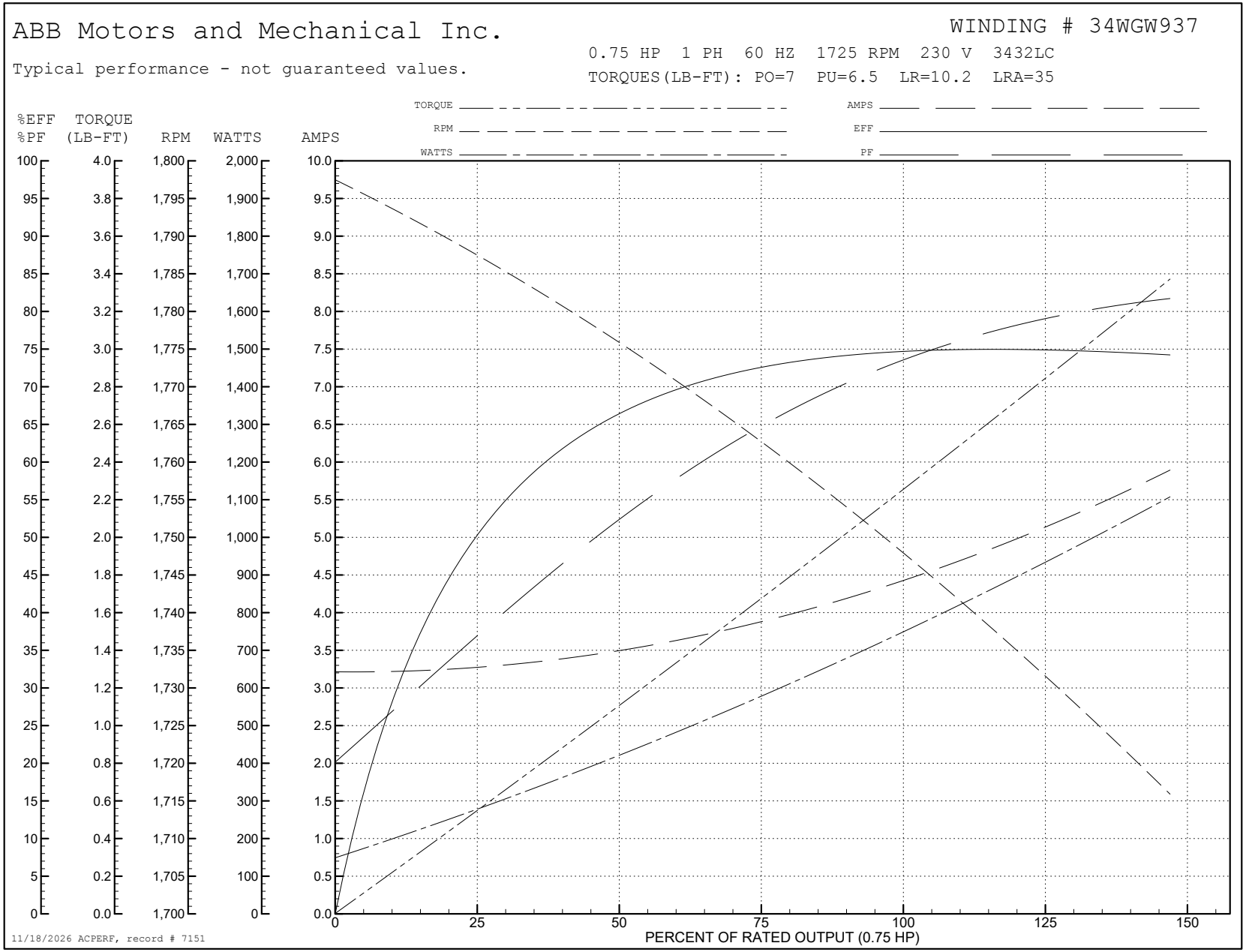
AC Induction Motor Performance Data
Record # 7151
Typical performance - not guaranteed values

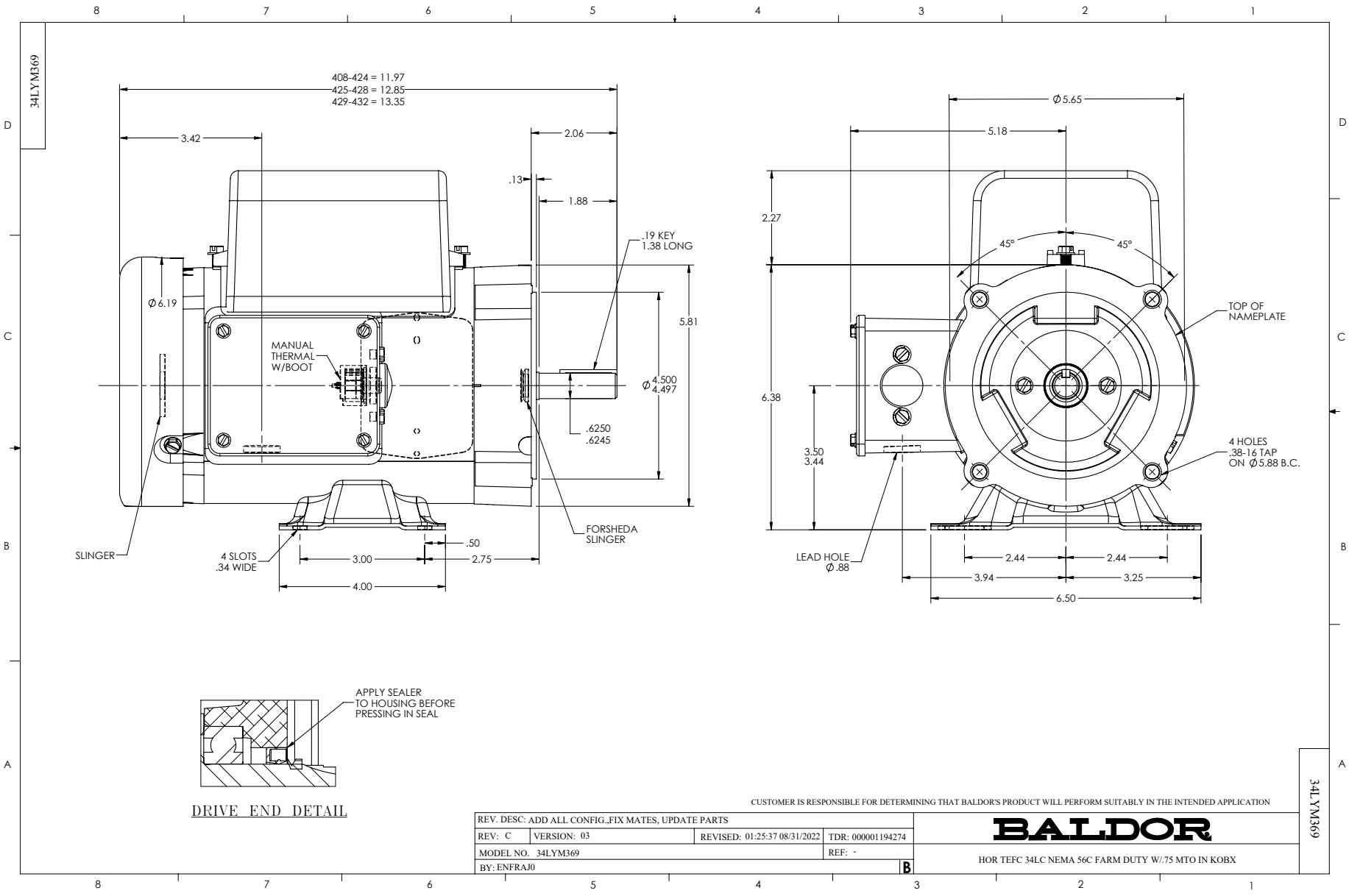
Winding: 34WGW937-R001	**Type:** 3432LC	**Enclosure:** TEFC

Nameplate Data			**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		.75	**Full Load Torque**	2.25 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		8.8/4.4	**Breakdown Torque**	7 LB-FT
R.P.M.		1725	**Pull-up Torque**	6.5 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	10.2 LB-FT
NEMA Design Code	N **KVA Code**	M	**Starting Current**	35 A
Service Factor (S.F.)		1.25	**No-load Current**	3.2 A
NEMA Nom. Eff.	74 **Power Factor**	75	**Line-line Res. @ 25ºC**	2.35 Ω A Ph 1.76 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	59°C
S.F. Amps		10.2/5.1	**Temp. Rise @ S.F. Load**	74°C

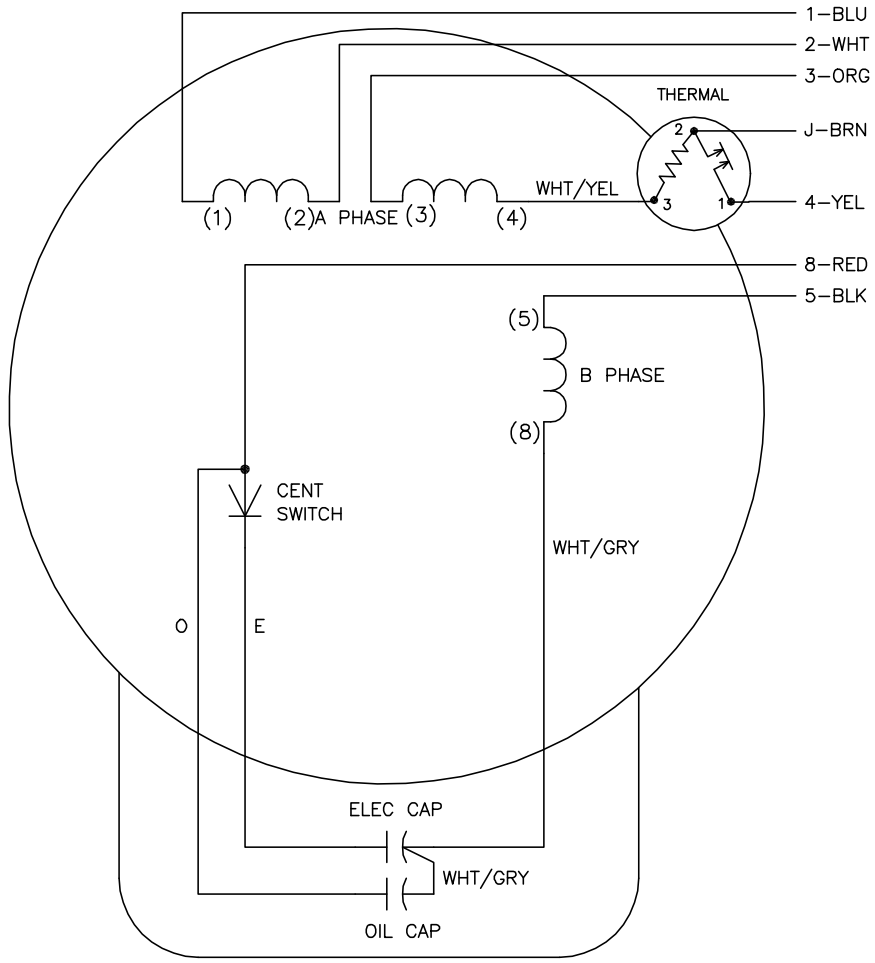
Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	53	66	74	80	84	0
Efficiency	50.7	66	72.9	74.9	75.1	74.1	0
Speed	1787	1775	1761	1750	1733	1715	0
Line amperes	3.3	3.5	3.9	4.4	5.1	5.9	5.1


ABB Motors and Mechanical Inc.
WINDING # 34WGW937
0.75 HP 1 PH 60 HZ 1725 RPM 230 V 3432LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=7 PU=6.5 LR=10.2 LRA=35
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
11/18/2026 ACPERF, record # 7151


34LYM369
408-424 = 11.97
425-428 = 12.85
429-432 = 13.35
3.42
2.06
.13
1.88
.19 KEY
1.38 LONG
Ø6.19
MANUAL
THERMAL
W/BOOT
5.81
Ø 4.500
4.497
.6250
.6245
SLINGER
4 SLOTS
.34 WIDE
.50
3.00
2.75
4.00
FORSHEDA
SLINGER
Ø5.65
5.18
2.27
45°
45°
TOP OF
NAMEPLATE
6.38
3.50
3.44
4 HOLES
.38-16 TAP
ON Ø5.88 B.C.
LEAD HOLE
Ø.88
2.44
2.44
3.94
3.25
6.50
APPLY SEALER
TO HOUSING BEFORE
PRESSING IN SEAL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD ALL CONFIG.,FIX MATES, UPDATE PARTS
REV: C
VERSION: 03
REVISED: 01:25:37 08/31/2022
TDR: 000001194274
MODEL NO. 34LYM369
REF: -
BY: ENFRAJ0
B
BALDOR
HOR TEFC 34LC NEMA 56C FARM DUTY W/.75 MTO IN KOBX
34LYM369

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