

ABB BALDOR RELIANCE III

Customer information packet

VFDL3507M

.75HP, 1725RPM, 1PH, 60HZ, 56C, 3432LC, TEFC, F

Class - None

Division - Not Applicable

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	No Mounting
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	L
Type	AC
Mech. spec.	34M370
Base	
Status	PRD/A
Elec. spec.	34WGW937
Layout	34LYM370
Eff. date	01-13-2025
CD Diagram	CD0320
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	11-25-2013

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.	VFDL3507M								
SPEC.	34M370W937G1								
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	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. @ 25°C	
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

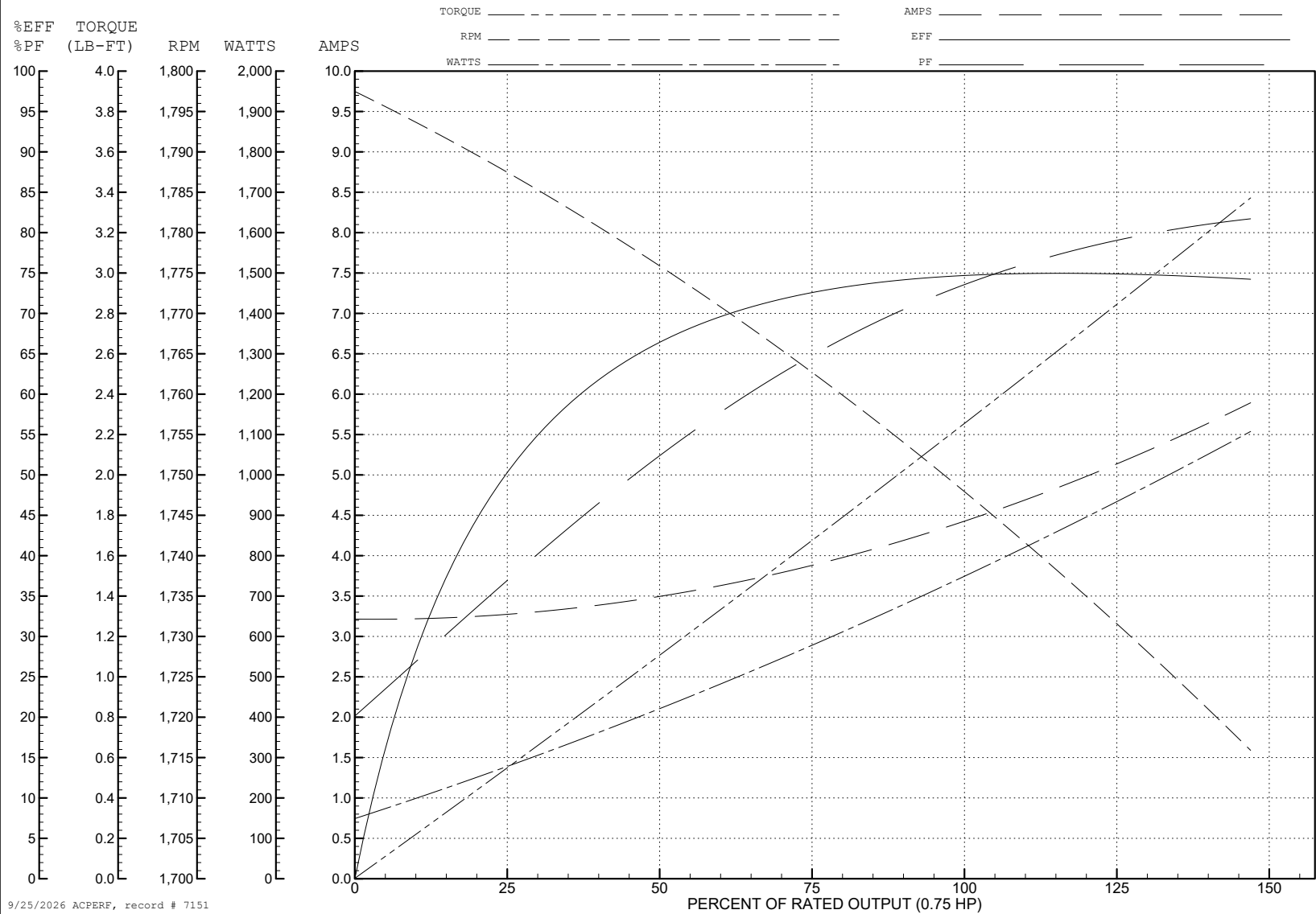
ABB Motors and Mechanical Inc.

WINDING # 34WG937

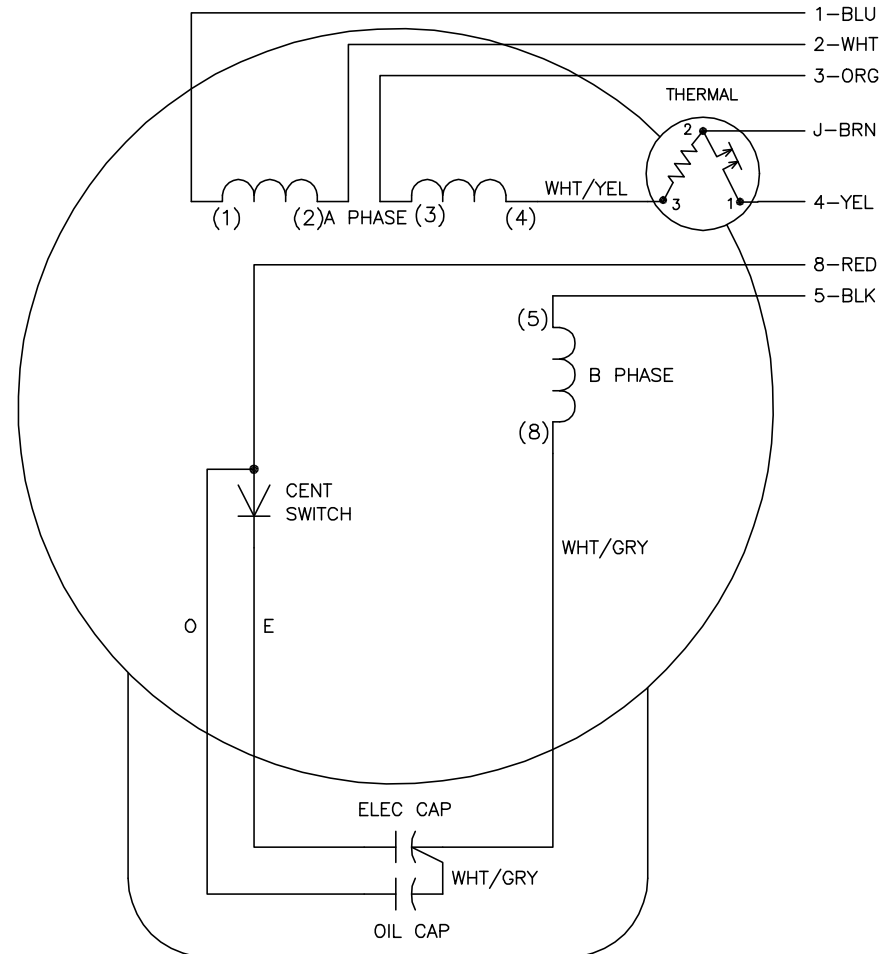
Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1725 RPM 230 V 3432LC

TORQUES (LB-FT) : PO=7 PU=6.5 LR=10.2 LRA=35



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.

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

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