

ABB BALDOR RELIANCE III

Customer information packet

EPL1313M

1.5HP, 3480RPM, 1PH, 60HZ, 56H, 3532LC, OPEN, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56H
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	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 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	5.900 A @ 230.0 V 11.800 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.0 %
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	5.9 a

Part Detail

Revision	F
Type	AC
Mech. spec.	35E3073
Base	
Status	PRD/A
Elec. spec.	35WGL137
Layout	35LYE3073
Eff. date	05-07-2024
CD Diagram	CD0320
Poles	02
Leads	6#16,1#14 #4TH
Proprietary	False
Created date	03-03-2015

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.62 IN
Power Factor	99
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	1.15
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3480 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	KO

Winding Thermal 2

None

Nameplate

NP1257L											
CAT.NO.	EPL1313M										
SPEC.	35E3073L137										
HP	1.5										
VOLTS	115/230										
AMP	11.8/5.9										
RPM	3480										
FRAME	56H			HZ		60		PH		1	
SER.F.	1.15	CODE	G	DES	L	CL	B				
NEMA-NOM-EFF	82	PF	99								
RATING	40C AMB-CONT										
CC											
DE	6205	ODE	6203								
ENCL	OPEN	SN									

AC Induction Motor Performance Data

Record # 47200

Typical performance - not guaranteed values

Winding: 35WGL137-R001			Type: 3532LC		Enclosure: OPEN		
Nameplate Data				115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		2.26 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		11.8/5.9		Breakdown Torque		4.71 LB-FT	
R.P.M.		3480		Pull-up Torque		4.5 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		6.15 LB-FT	
NEMA Design Code		L	KVA Code	G	Starting Current		73.89 A
Service Factor (S.F.)		1.15		No-load Current		1.895 A	
NEMA Nom. Eff.		82	Power Factor	99	Line-line Res. @ 25°C		0.445 Ω A Ph 0.721 Ω B Ph
Rating - Duty			40C AMB-CONT		Temp. Rise @ Rated Load		

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	94	99	99	99	99	98	99
Efficiency	68.7	79.7	83.4	83.5	81.9	78.1	82.5
Speed	3571	3548	3524	3496	3462	3410	3476
Line amperes	3.85	6.24	8.83	11.72	14.9	18.8	13.6

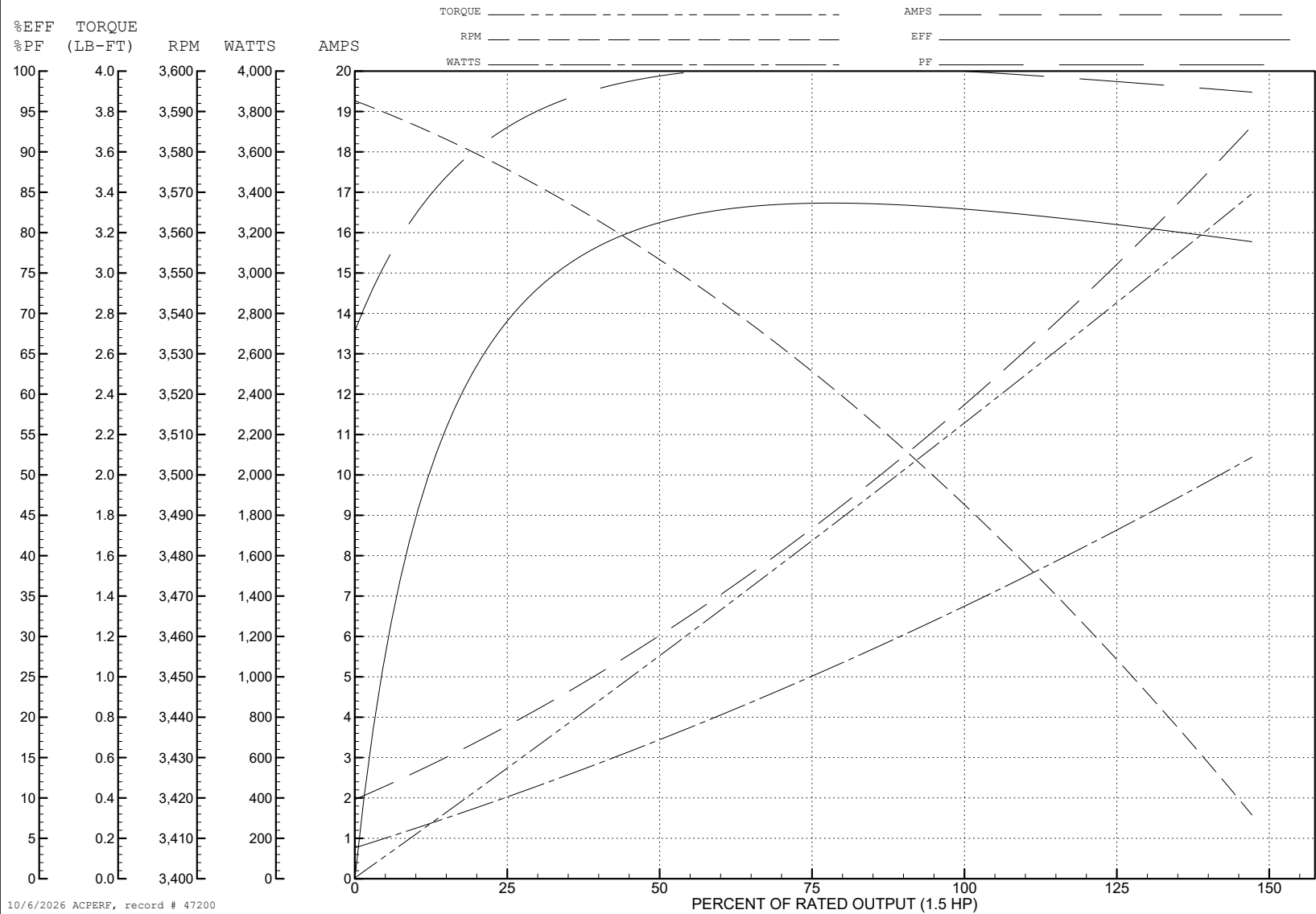
ABB Motors and Mechanical Inc.

WINDING # 35WGL137

Typical performance - not guaranteed values.

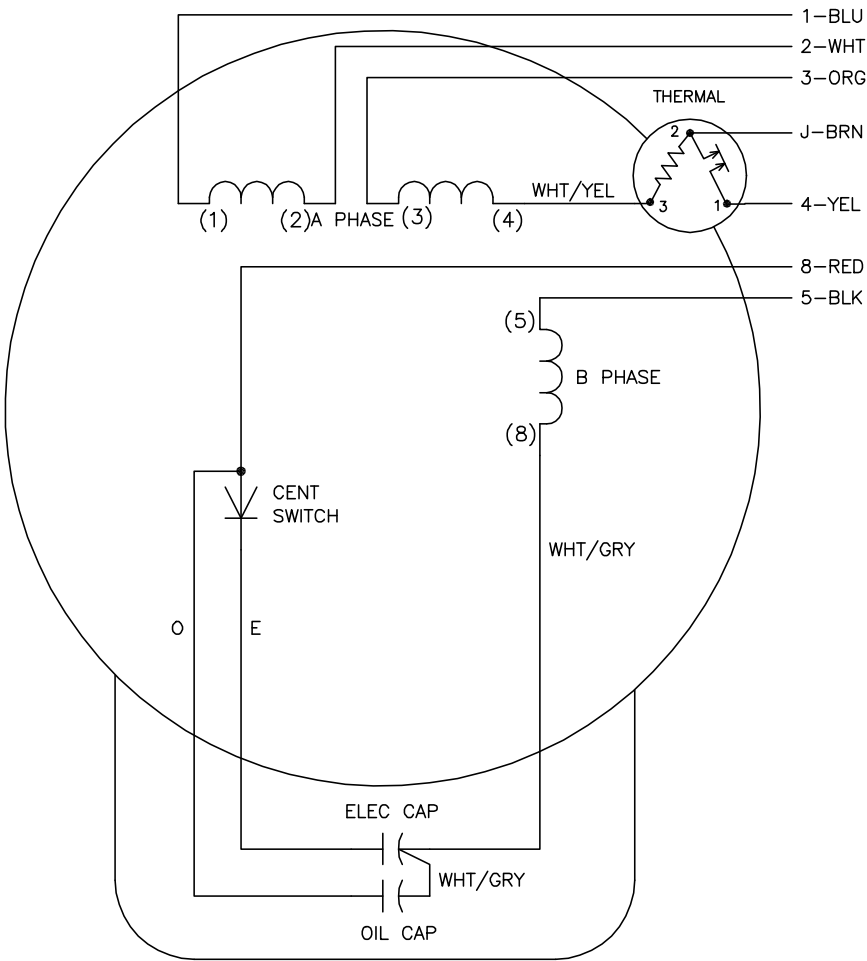
1.5 HP 1 PH 60 HZ 3480 RPM 115 V 3532LC

TORQUES (LB-FT): PO=4.71 PU=4.5 LR=6.15 LRA=73.89





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