



Customer information packet

EPL1322M

2HP, 1725RPM, 1PH, 60HZ, 56, 3546LC, OPEN, F1, N

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56
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	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
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	16.400 A @ 115.0 V 8.200 A @ 230.0 V 9.400 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	D
Type	AC
Mech. spec.	35H436
Base	
Status	NLA/A
Elec. spec.	35WGL139
Layout	35LYH436
Eff. date	01-18-2023
CD Diagram	CD0320
Poles	04
Leads	6#16,1#14 #4TH
Proprietary	False
Created date	01-26-2017

High Voltage Full Load Amps	8.2 a
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	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3546LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.32 IN
Power Factor	93
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	1725 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

NP3432L									
CAT.NO.	EPL1322M								
SPEC.	35H436L139G1								
HP	2								
VOLTS	115/230								
AMP	16.4/8.2								
RPM	1725								
FRAME	56		HZ	60			PH	1	
SER.F.	1.15	CODE	K	DES	L	CL	F		
F.L. AVG. EFF.	84.5	PF	93						
RATING	40C AMB-CONT								
CC									
DE	6205		ODE	6203					
ENCL	OPEN	SN							

AC Induction Motor Performance Data

Record # 62085

Typical performance - not guaranteed values

Winding: 35WGL139-R002			Type: 3546LC		Enclosure: OPEN	
Nameplate Data				115 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)		2		Full Load Torque		5.97 LB-FT
Volts		115/230		Start Configuration		direct on line
Full Load Amps		16.4/8.2		Breakdown Torque		18.2 LB-FT
R.P.M.		1725		Pull-up Torque		12 LB-FT
Hz		60		Phase		1
NEMA Design Code		L		KVA Code		K
Service Factor (S.F.)		1.15		No-load Current		5.01 A
NEMA Nom. Eff.		84.5		Power Factor		93
Rating - Duty		40C AMB-CONT		Line-line Res. @ 25°C		0.28439 Ω A Ph 1.2353 Ω B Ph
S.F. Amps				Temp. Rise @ Rated Load		65°C
				Temp. Rise @ S.F. Load		79°C

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	70	84	90	92	94	94	93
Efficiency	72.3	82.8	85.4	85.7	84.5	82	85
Speed	1790.5	1781.9	1771.8	1760.8	1748.8	1733.3	1754
Line amperes	6.42	9.24	12.6	16.3	20.4	25.3	18.8

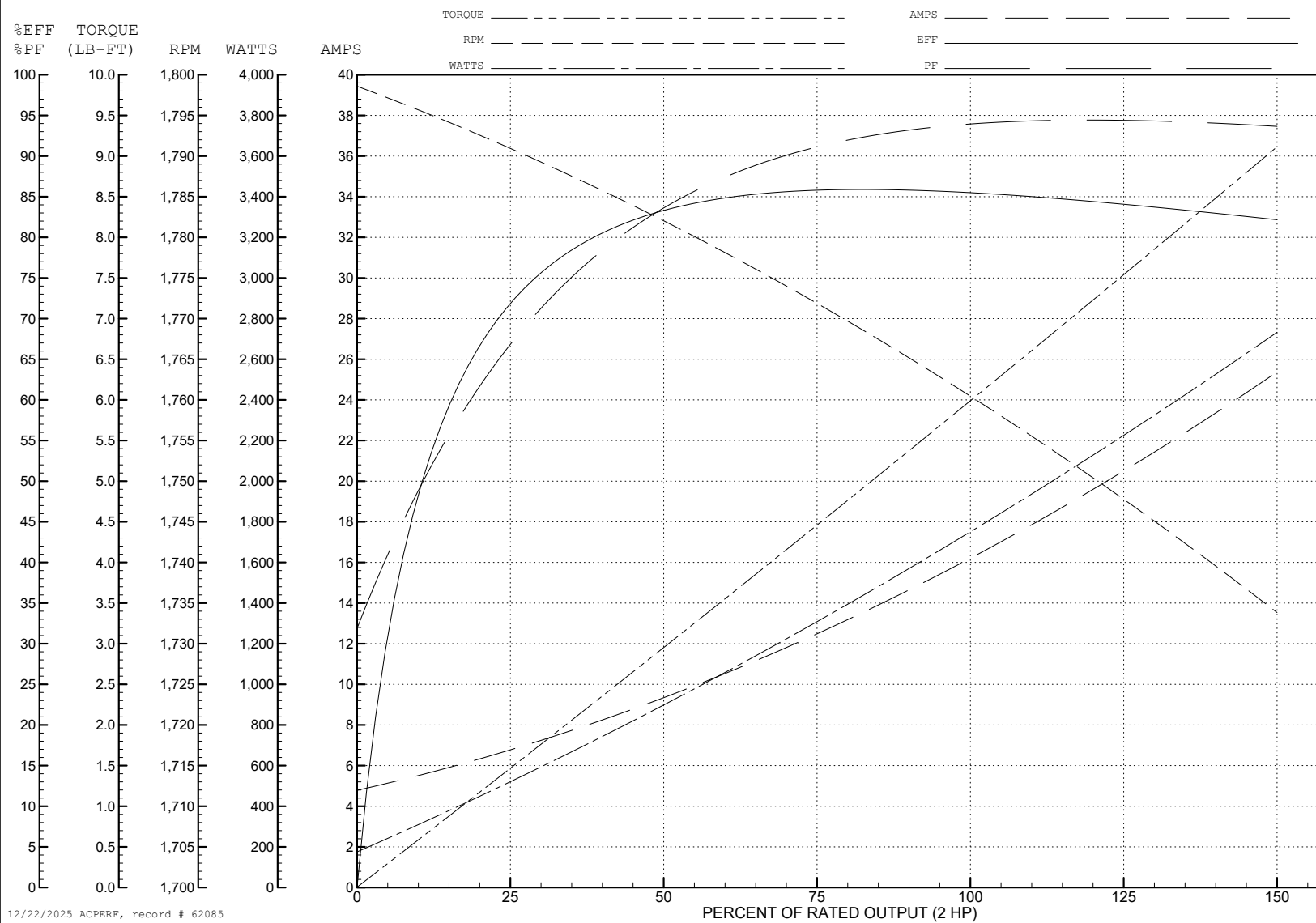
ABB Motors and Mechanical Inc.

WINDING # 35WGL139

Typical performance - not guaranteed values.

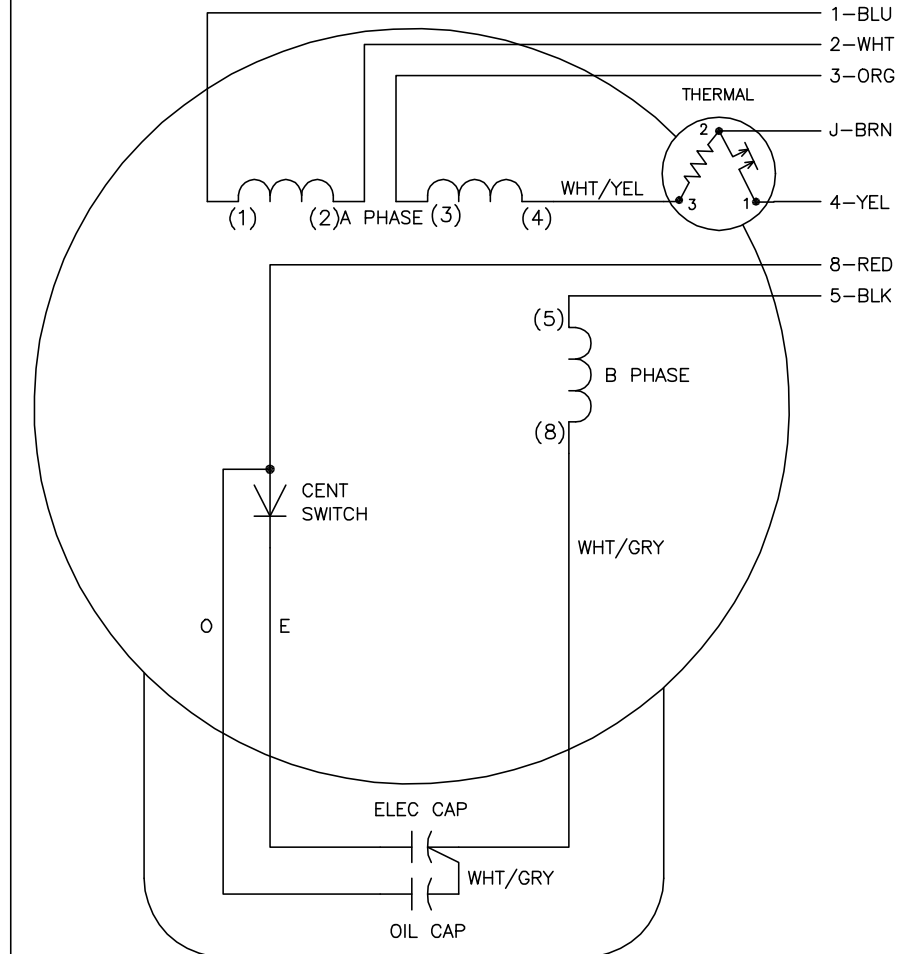
2 HP 1 PH 60 HZ 1725 RPM 115 V 3546LC

TORQUES (LB-FT): PO=18.2 PU=12 LR=16.4 LRA=144





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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