ABB BALDOR RELIANCE

Customer information packet

EPCL1322M

2HP, 1760RPM, 1PH, 60HZ, 56C, 3546LC, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
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	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	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	16.400 A @ 115.0 V
	8.200 A @ 230.0 V
	9.200 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 Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.2 a
Insulation Class	F

Part Detail

Revision	C
Type	AC
Mech. spec.	35K267
Base	
Status	PRD/A
Elec. spec.	35WGG890
Layout	35LYK267
Eff. date	08-22-2025
CD Diagram	CD0881
Poles	04
Leads	6#16,1#14 #4TH
Proprietary	False
Created date	02-24-2025

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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	92
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 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.	EPCL1322M								
SPEC.	35K267G890G1								
HP	2								
VOLTS	115/230								
AMP	16.4/8.2								
RPM	1760								
FRAME	56C		**HZ**	60			**PH**	1	
SER.F.	1.15	**CODE**	K	**DES**	L	**CL**	F		
F.L. AVG. EFF.	84.5	**PF**	92						
RATING	40C AMB-CONT								
CC									
DE	6205		**ODE**	6203					
ENCL	OPEN	**SN**							

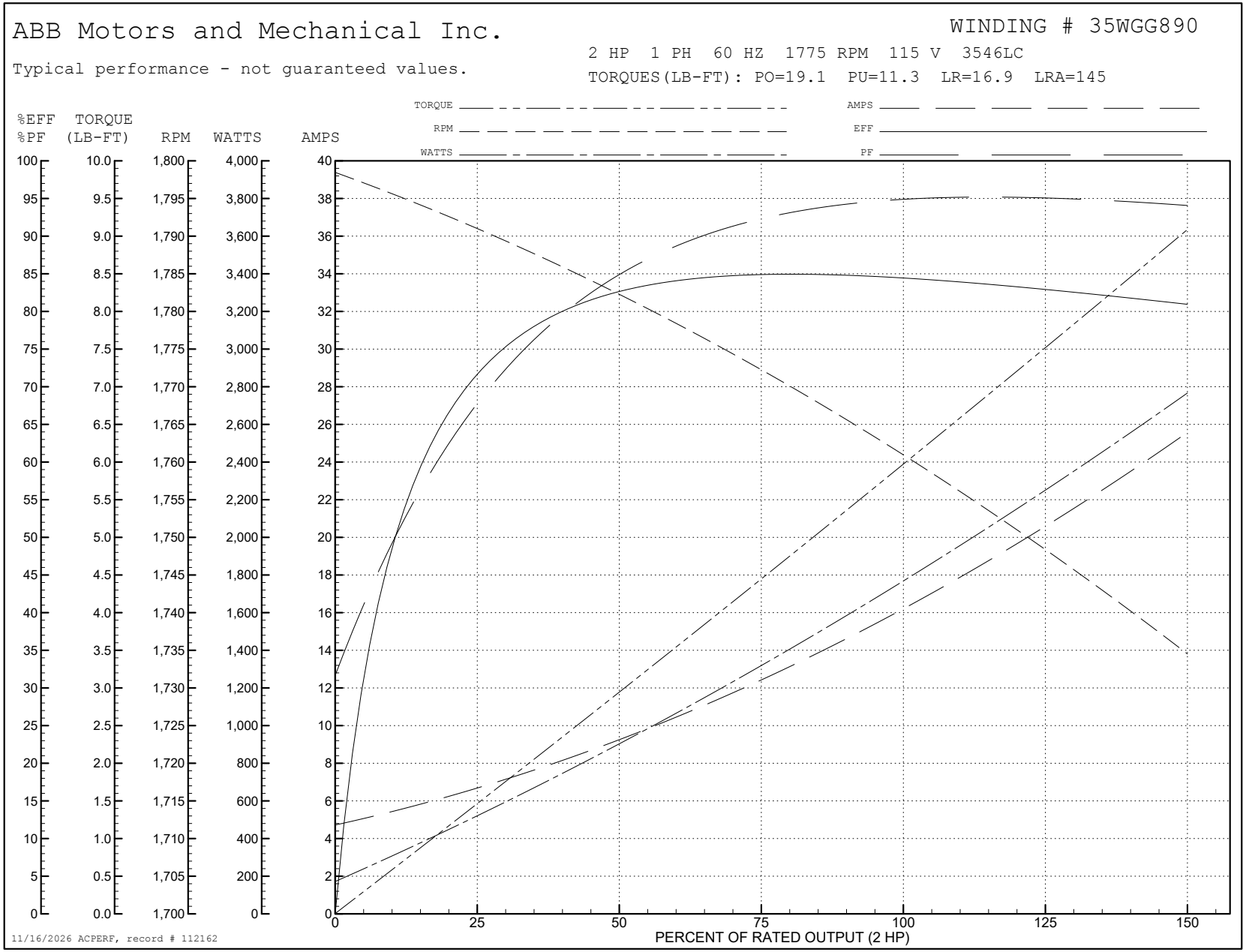
AC Induction Motor Performance Data
Record # 112162
Typical performance - not guaranteed values

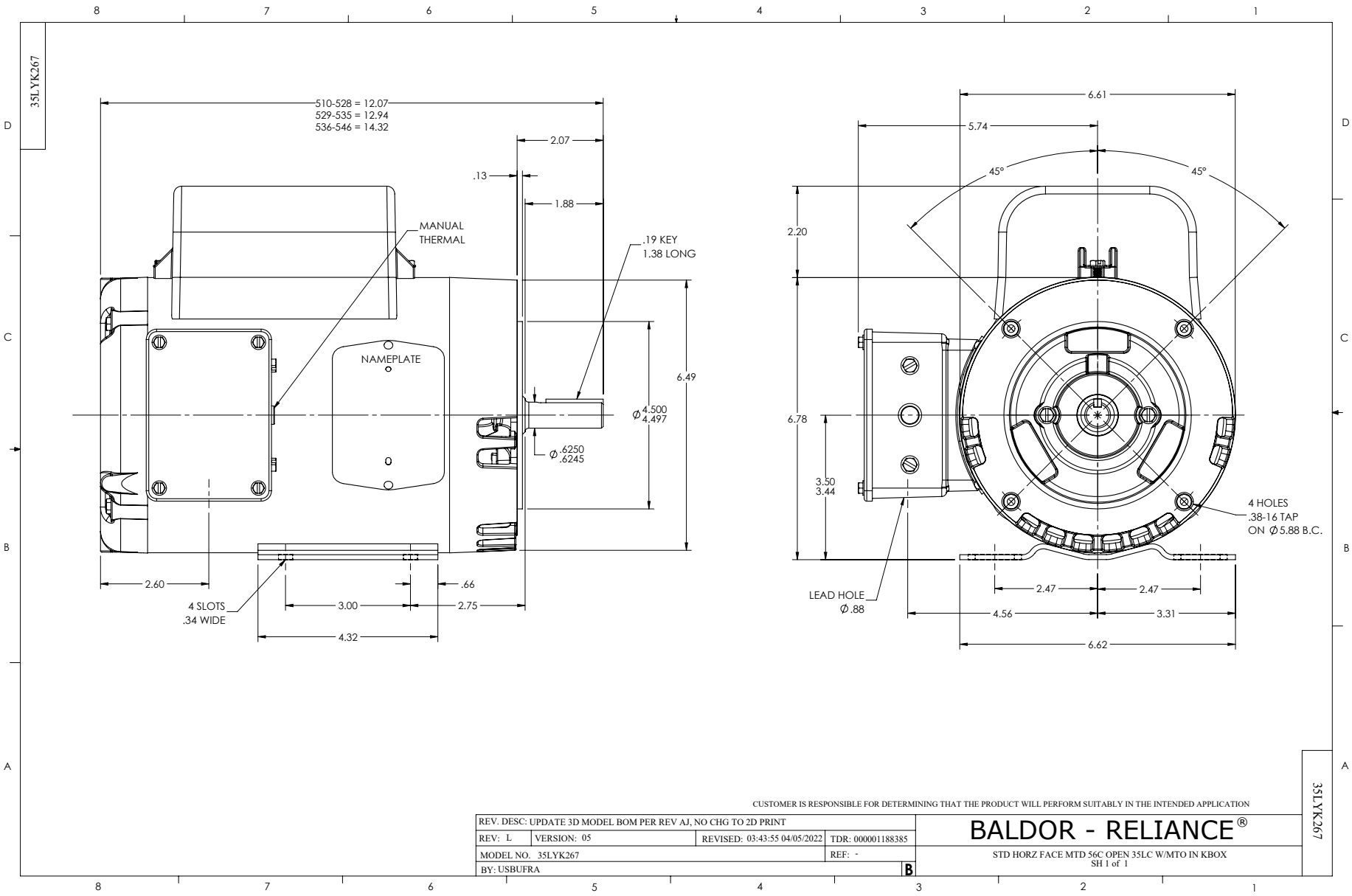
Winding: 35WGG890-R002	**Type:** 3546LC	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	5.988 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			16.4/8.2	**Breakdown Torque**	19.1 LB-FT
R.P.M.			1775	**Pull-up Torque**	11.3 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	16.9 LB-FT
NEMA Design Code	L	**KVA Code**	K	**Starting Current**	145 A
Service Factor (S.F.)			1.15	**No-load Current**	4.95 A
NEMA Nom. Eff.	84.5	**Power Factor**	92	**Line-line Res. @ 25ºC**	0.33795 Ω A Ph 1.5355 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	58°C
S.F. Amps				**Temp. Rise @ S.F. Load**	71°C

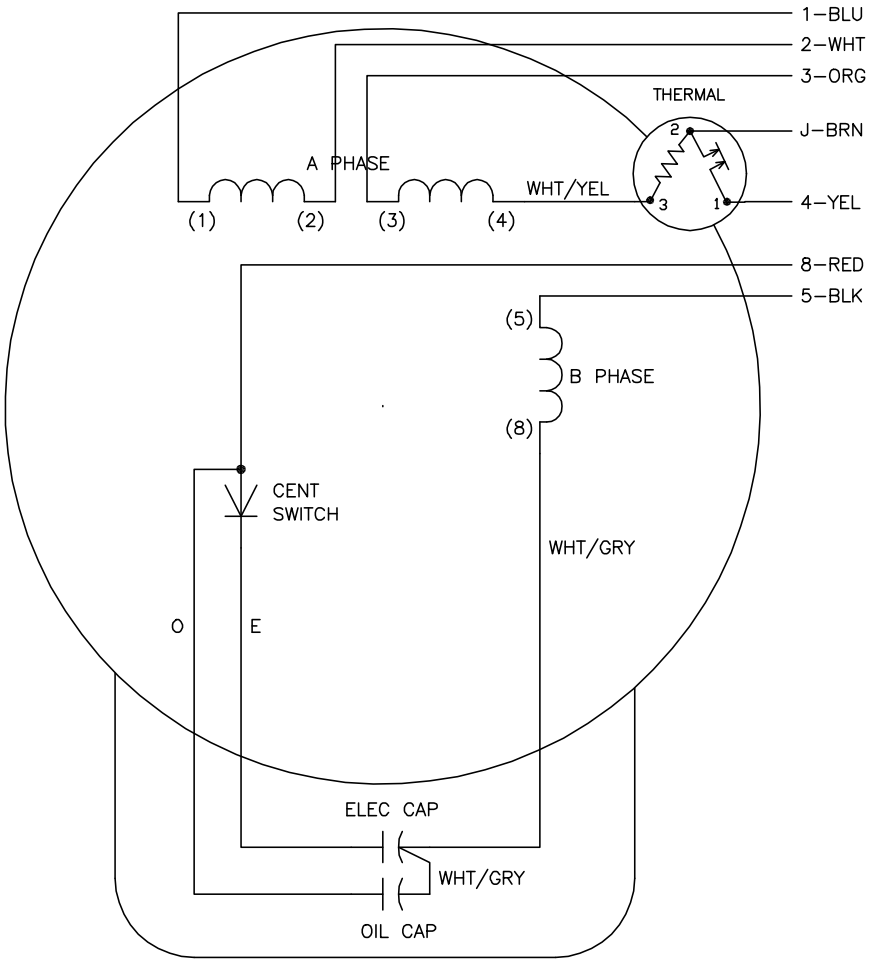
Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	73	86	91	94	95	95	95
Efficiency	72	81.8	84.7	84.8	83.3	80.7	83.9
Speed	1790	1782	1772	1761	1749	1734	1754
Line amperes	6.36	9.3	12.6	16.4	20.6	25.5	18.9


ABB Motors and Mechanical Inc.
WINDING # 35WGG890
Typical performance - not guaranteed values.
2 HP 1 PH 60 HZ 1775 RPM 115 V 3546LC
TORQUES(LB-FT): PO=19.1 PU=11.3 LR=16.9 LRA=145
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (2 HP)
11/16/2026 ACPERF, record # 112162


35LYK267
510-528 = 12.07
529-535 = 12.94
536-546 = 14.32
2.07
.13
1.88
MANUAL
THERMAL
.19 KEY
1.38 LONG
NAMEPLATE
6.49
Ø 4.500
4.497
Ø .6250
.6245
2.60
4 SLOTS
.34 WIDE
3.00
.66
2.75
4.32
6.61
5.74
45°
45°
2.20
6.78
3.50
3.44
4 HOLES
.38-16 TAP
ON Ø 5.88 B.C.
LEAD HOLE
Ø .88
2.47
2.47
4.56
3.31
6.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV AJ, NO CHG TO 2D PRINT
REV: L
VERSION: 05
REVISED: 03:43:55 04/05/2022
TDR: 000001188385
MODEL NO. 35LYK267
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ FACE MTD 56C OPEN 35LC W/MTO IN KBOX
SH 1 of 1
35LYK267

CD0881



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
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: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: C	VERSION: 01	TDR: 000000373051	
CD0881	FILE: \AAA\00007\429	REVISED: 11:52:48 09/09/2005	TYPE LC, DV, REV, THERMAL, 7 LEAD
	MTL: –	BY: ENJOEP0	

CD0881