ABB BALDOR RELIANCE

Customer information packet

EL11307A

.75HP, 1755RPM, 1PH, 60HZ, 56, 3522LC, OPEN, F1
Class - None
Division - Not Applicable

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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	.750 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	3.500 A @ 230.0 V
	7.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.5 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	D
Type	AC
Mech. spec.	35M497
Base	
Status	PRD/A
Elec. spec.	35WGG289
Layout	35LYM497
Eff. date	05-27-2025
CD Diagram	CD0320
Poles	04
Leads	6#18,1#16 #4TH
Proprietary	False
Created date	11-22-2024

IP Rating	NONE
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3522LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.07 IN
Power Factor	96
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	1.25
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1755 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	Automatic Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP3273L											
CAT.NO.	EL11307A										
SPEC.	35M497G289G2										
HP	.75										
VOLTS	115/230										
AMP	7/3.5										
RPM	1755										
FRAME	56		**HZ**	60			**PH**	1			
SER.F.	1.25	**CODE**	L	**DES**	N	**CL**	F				
F.L. AVG. EFF.	82.5	**PF**	96								
RATING	40C AMB-CONT										
CC											
DE	6205		**ODE**	6203							
ENCL	OPEN	**SN**									
	SFA 8.6/4.3										

AC Induction Motor Performance Data
Record # 88907
Typical performance - not guaranteed values

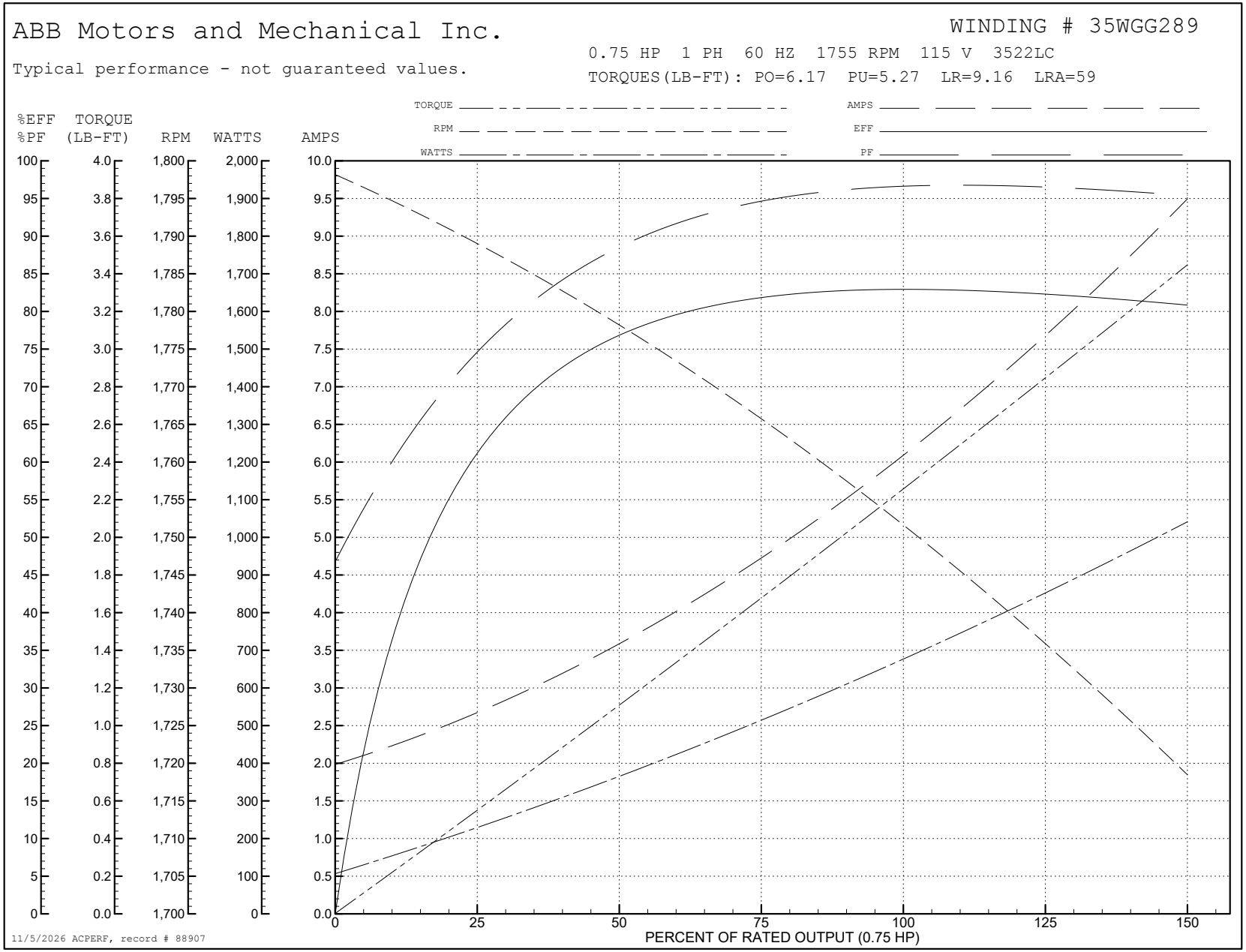
Winding: 35WGG289-R002	**Type:** 3522LC	**Enclosure:** OPEN

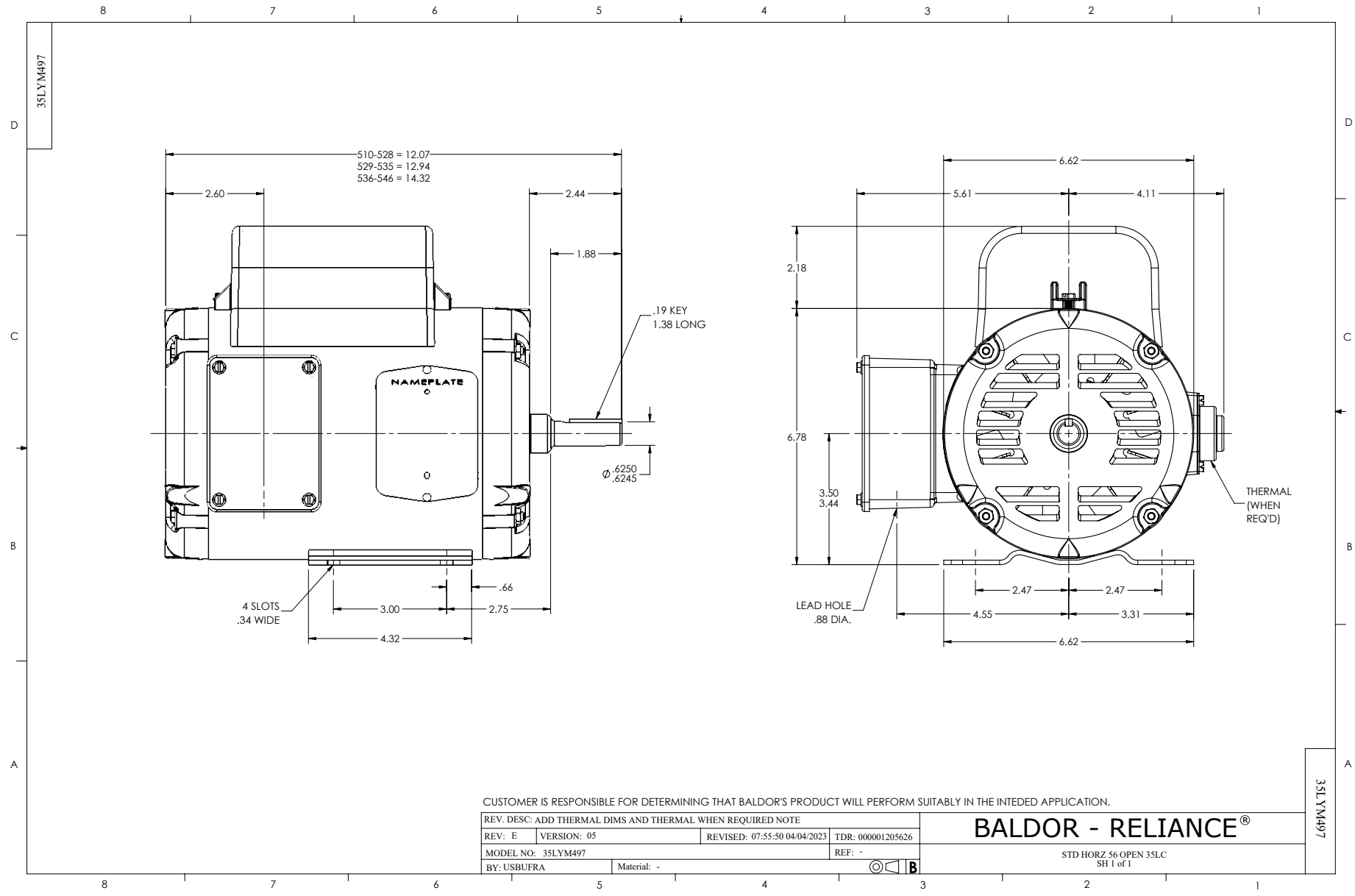
Nameplate Data			
Rated Output (HP)			.75
Volts			115/230
Full Load Amps			6.1/3.1
R.P.M.			1755
Hz	60	**Phase**	1
NEMA Design Code	N	**KVA Code**	L
Service Factor (S.F.)			1.25
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

115 V, 60 Hz: Low Voltage Connection	
Full Load Torque	2.25 LB-FT
Start Configuration	direct on line
Breakdown Torque	6.17 LB-FT
Pull-up Torque	5.27 LB-FT
Locked-rotor Torque	9.16 LB-FT
Starting Current	59 A
No-load Current	2.04 A
Line-line Res. @ 25ºC	1.09 Ω A Ph 1.33 Ω B Ph
Temp. Rise @ Rated Load	78°C
Temp. Rise @ S.F. Load	100°C
Locked-rotor Power Factor	99.6
Rotor inertia	0.159 lb-ft²

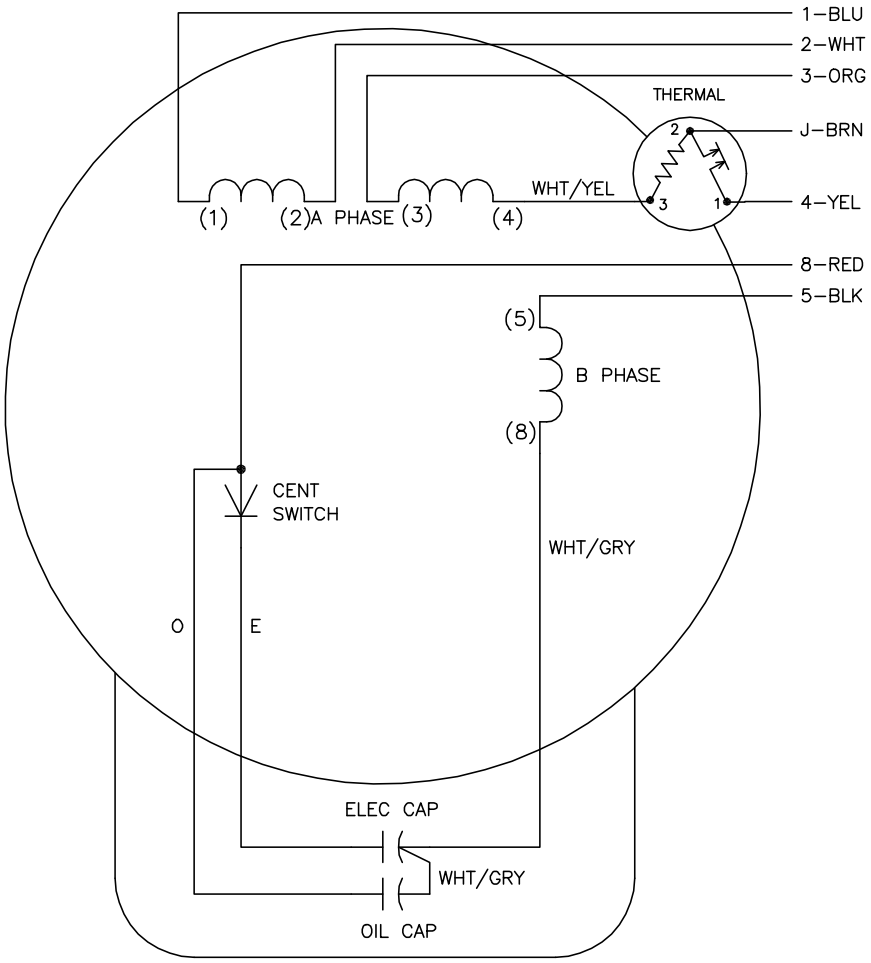
Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	77	91	94	96	95	96	95
Efficiency	60.6	76.6	82	83.2	82.4	80.7	82.4
Speed	1788	1777	1766	1753	1736	1718	1736
Line amperes	2.64	3.52	4.75	6.12	7.74	9.43	7.74


ABB Motors and Mechanical Inc.
WINDING # 35WGG289
Typical performance - not guaranteed values.
0.75 HP 1 PH 60 HZ 1755 RPM 115 V 3522LC
TORQUES(LB-FT): PO=6.17 PU=5.27 LR=9.16 LRA=59
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
11/5/2026 ACPERF, record # 88907


35LYM497
510-528 = 12.07
529-535 = 12.94
536-546 = 14.32
2.60
2.44
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
.6245
4 SLOTS
.34 WIDE
.66
3.00
2.75
4.32
6.62
5.61
4.11
2.18
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
LEAD HOLE
.88 DIA.
2.47
2.47
4.55
3.31
6.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTEDED APPLICATION.
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: E
VERSION: 05
REVISED: 07:55:50 04/04/2023
TDR: 000001205626
MODEL NO: 35LYM497
REF: -
BY: USBUFRA
Material: -
B
BALDOR - RELIANCE®
STD HORZ 56 OPEN 35LC
SH 1 of 1
35LYM497

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