BALDOR • RELIANCE

Customer information packet

FDAOL3532A

1.5HP, 1725RPM, 1PH, 60HZ, 56H, 3532LC, TEAO, F
Class - None
Division - Not Applicable

4/9/2025 8:41:51 AM

Specifications

Enclosure	TEAO
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	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	13.400 A @ 115.0 V
	6.700 A @ 230.0 V
	6.800 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.7 a

Part detail

Revision	B
Type	AC
Mech. spec.	35E3271
Base	
Status	PRD/A
Elec. spec.	35WGG377
Layout	35LYE3271
Eff. date	03-28-2025
CD Diagram	CD0016A02
Poles	04
Leads	7#18,1#16 #4TH
Proprietary	False
Created date	11-14-2024

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.30 IN
Power Factor	90
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	1.20
Shaft Diameter	0.625 IN
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	Automatic Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1280L										
CAT.NO.	FDAOL3532A									
SPEC.	35E3271G377G1									
HP	1.5									
VOLTS	115/208-230									
AMP	13.4/6.8-6.7									
RPM	1725									
FRAME	56H	**HZ**	60		**PH**	1				
SER.F.	1.20	**CODE**	H	**DES**	L	**CL**	F			
NEMA-NOM-EFF	80	**PF**	90							
RATING	40C AMB-CONT									
CC										
DE	6205	**ODE**	6203							
ENCL	TEAO	**SN**								
	SFA 15.4/8.1-7									

AC Induction Motor Performance Data
Record # 89714
Typical performance - not guaranteed values

Winding: 35WGG377-R005	**Type:** 3532LC	**Enclosure:** TEAO

Nameplate Data		
Rated Output (HP)		1.5
Volts		115/208-230
Full Load Amps		13.4/6.8-6.7
R.P.M.		1725
Hz	60 **Phase**	1
NEMA Design Code	L **KVA Code**	H
Service Factor (S.F.)		1.2
NEMA Nom. Eff.	80 **Power Factor**	90
Rating - Duty		40C AMB-CONT
S.F. Amps		15.4/8.1-7

115 V, 60 Hz: Low Voltage Connection	
Full Load Torque	4.56 LB-FT
Start Configuration	direct on line
Breakdown Torque	9.9 LB-FT
Pull-up Torque	8.06 LB-FT
Locked-rotor Torque	12.98 LB-FT
Starting Current	87.94 A
No-load Current	1.75 A
Line-line Res. @ 25ºC	0.517 Ω A Ph 1.32 Ω B Ph
Temp. Rise @ Rated Load	67°C
Temp. Rise @ S.F. Load	92°C
Locked-rotor Power Factor	92
Rotor inertia	0.232 lb-ft²

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	95	98	98	98	97	96	97
Efficiency	68.1	80.4	82.5	81.1	76.9	69.8	77.7
Speed	1782	1765	1746	1723	1690	1641	1697
Line amperes	3.66	6.16	9	12.2	16.24	21.58	15.4

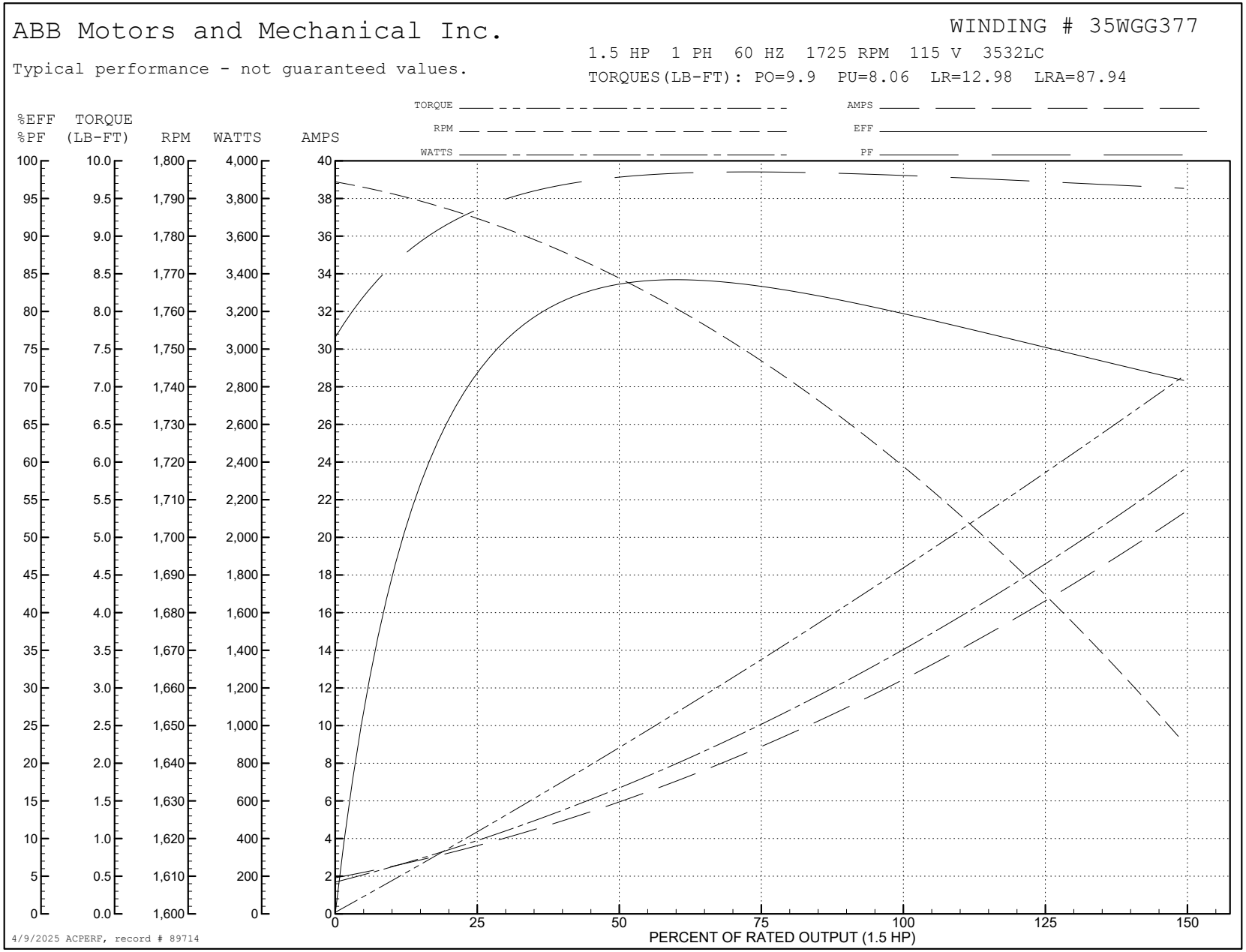
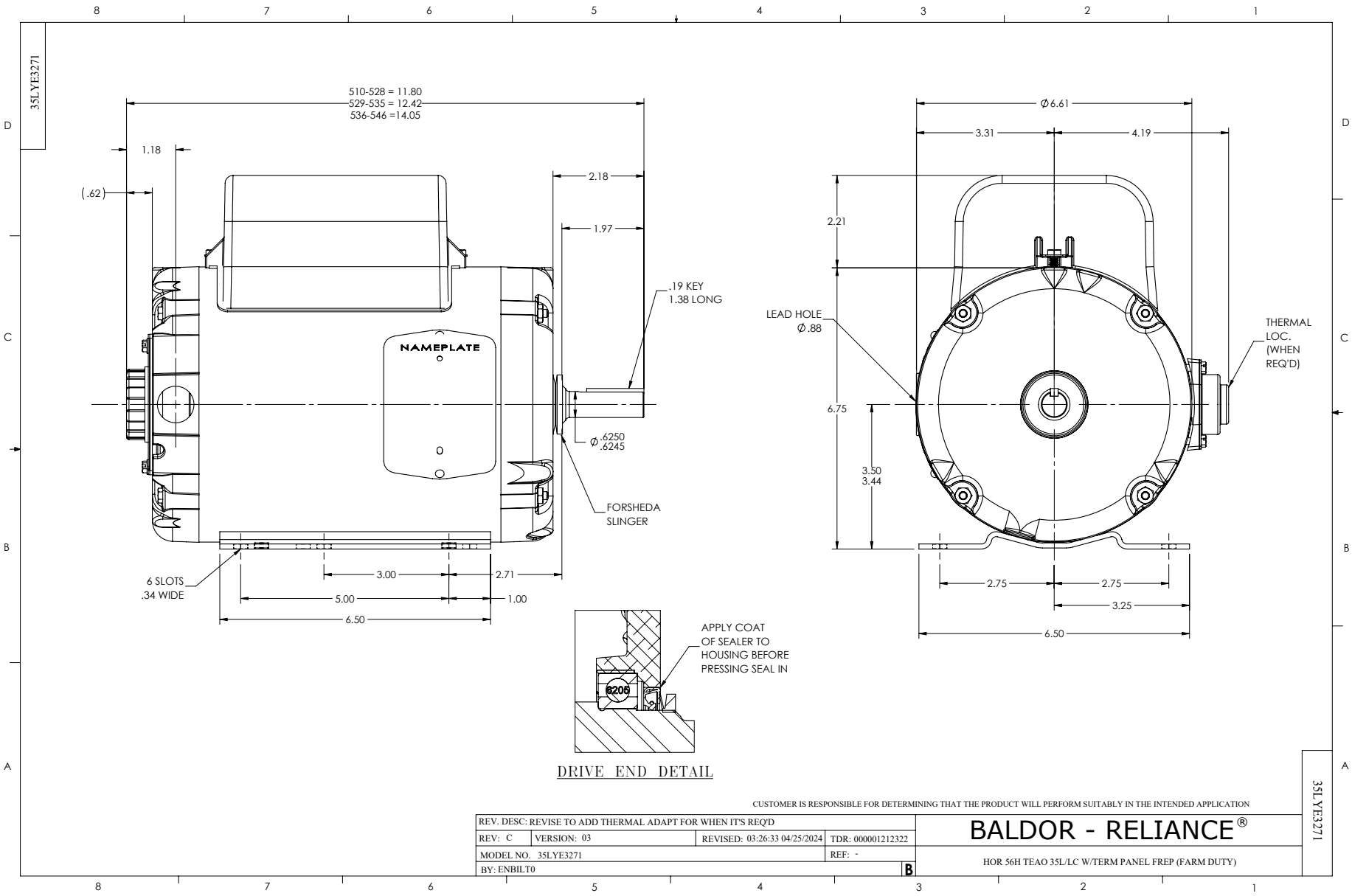
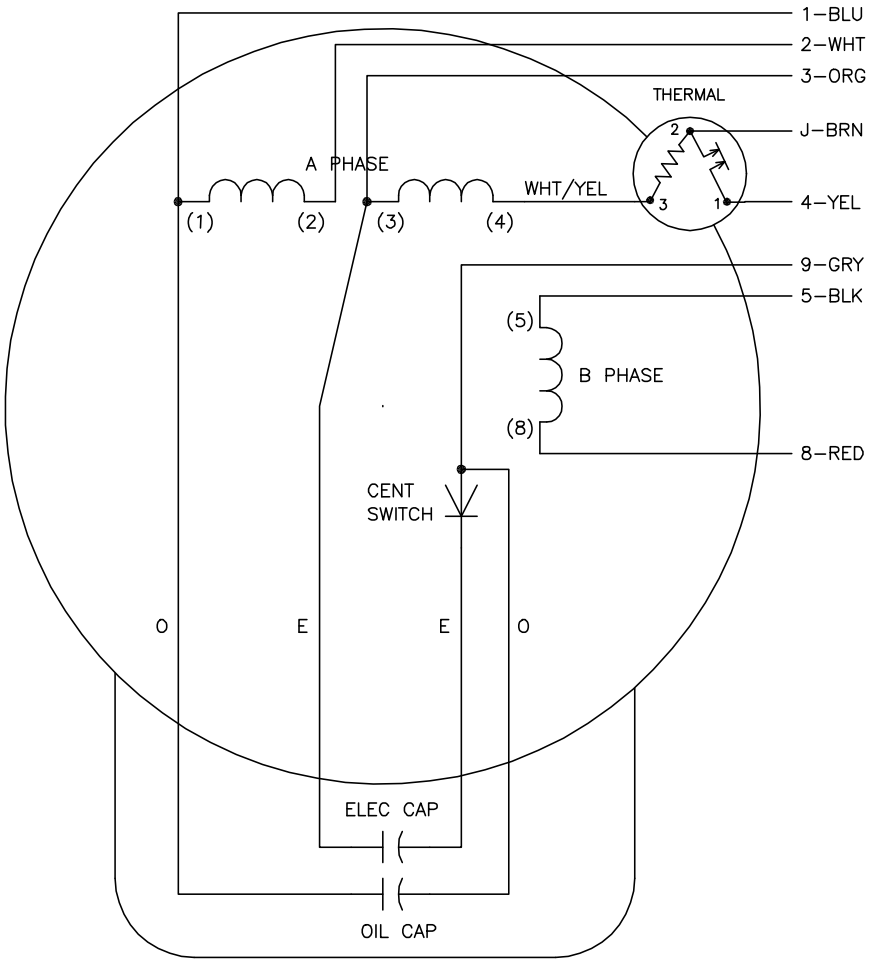


ABB Motors and Mechanical Inc.
WINDING # 35WGG377
1.5 HP 1 PH 60 HZ 1725 RPM 115 V 3532LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=9.9 PU=8.06 LR=12.98 LRA=87.94
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
4/9/2025 ACPERF, record # 89714


35LYE3271
510-528 = 11.80
529-535 = 12.42
536-546 =14.05
1.18
(.62)
2.18
1.97
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
.6245
FORSHEDA
SLINGER
6 SLOTS
.34 WIDE
3.00
2.71
5.00
1.00
6.50
Ø6.61
3.31
4.19
2.21
LEAD HOLE
Ø .88
THERMAL
LOC.
(WHEN
REQ'D)
6.75
3.50
3.44
2.75
2.75
3.25
6.50
APPLY COAT
OF SEALER TO
HOUSING BEFORE
PRESSING SEAL IN
6206
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REVISE TO ADD THERMAL ADAPT FOR WHEN IT'S REQ'D
REV: C
VERSION: 03
REVISED: 03:26:33 04/25/2024
TDR: 000001212322
MODEL NO. 35LYE3271
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
HOR 56H TEAO 35L/LC W/TERM PANEL FREP (FARM DUTY)
35LYE3271

CD0016A02



	LINE A	LINE B	JOIN	JOIN	JOIN
HIGH STD	1	4	2,3	8,9	J,5
HIGH OPP	1	4	2,3	5,9	J,8
LOW STD	1,3	4	8,9	2,J,5	–
LOW OPP	1,3	4	5,9	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: F	VERSION: 01	TDR: 000000373039	
CD0016A02	FILE: \AAA\00007\411	REVISED: 10:13:25 08/11/2005	TYPE LC, DV, REV, OIL CAP ACR. LINE, THERMAL, 8 LEADS
	MTL: –	BY: ENJOEP0	

CD0016A02