ABB BALDOR RELIANCE

Customer information packet

L3514A

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

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Specifications

Enclosure	TEFC
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
	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	13.400 A @ 115.0 V
	6.700 A @ 230.0 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
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	C
Type	AC
Mech. spec.	35J385
Base	
Status	PRD/A
Elec. spec.	35WGG377
Layout	35LYJ385
Eff. date	06-15-2026
CD Diagram	CD0016A02
Poles	04
Leads	7#18,1#16 #4TH
Proprietary	False
Created date	11-14-2024

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	13.79 IN
Power Factor	90
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
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 Eve-Not Valiid
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L										
CAT.NO.	L3514A									
SPEC.	35J385G377G1									
HP	1.5									
VOLTS	115/230									
AMP	13.4/6.7									
RPM	1725									
FRAME	56H		**HZ**		60		**PH**	1		
SER.F.	1.00	**CODE**	H	**DES**	L	**CL**	F			
NEMA-NOM-EFF	80	**PF**	90							
RATING	40C AMB-CONT									
CC										
DE	6205	**ODE**	6203							
ENCL	TEFC	**SN**								

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data
Record # 88874
Typical performance - not guaranteed values

Winding: 35WGG377-R002	**Type:** 3532LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	4.56 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			13.4/6.7	**Breakdown Torque**	9.9 LB-FT
R.P.M.			1725	**Pull-up Torque**	8.06 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	12.98 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	43.97 A
Service Factor (S.F.)			1	**No-load Current**	0.877 A
NEMA Nom. Eff.	80	**Power Factor**	90	**Line-line Res. @ 25ºC**	0.517 Ω A Ph 1.32 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	67°C
				Locked-rotor Power Factor	91.1
				Rotor inertia	0.232 lb-ft²

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	95	98	98	98	97	96
Efficiency	68.1	80.4	82.5	81.1	76.9	69.8
Speed	1782	1765	1746	1723	1690	1641
Line amperes	1.83	3.08	4.5	6.1	8.12	10.79

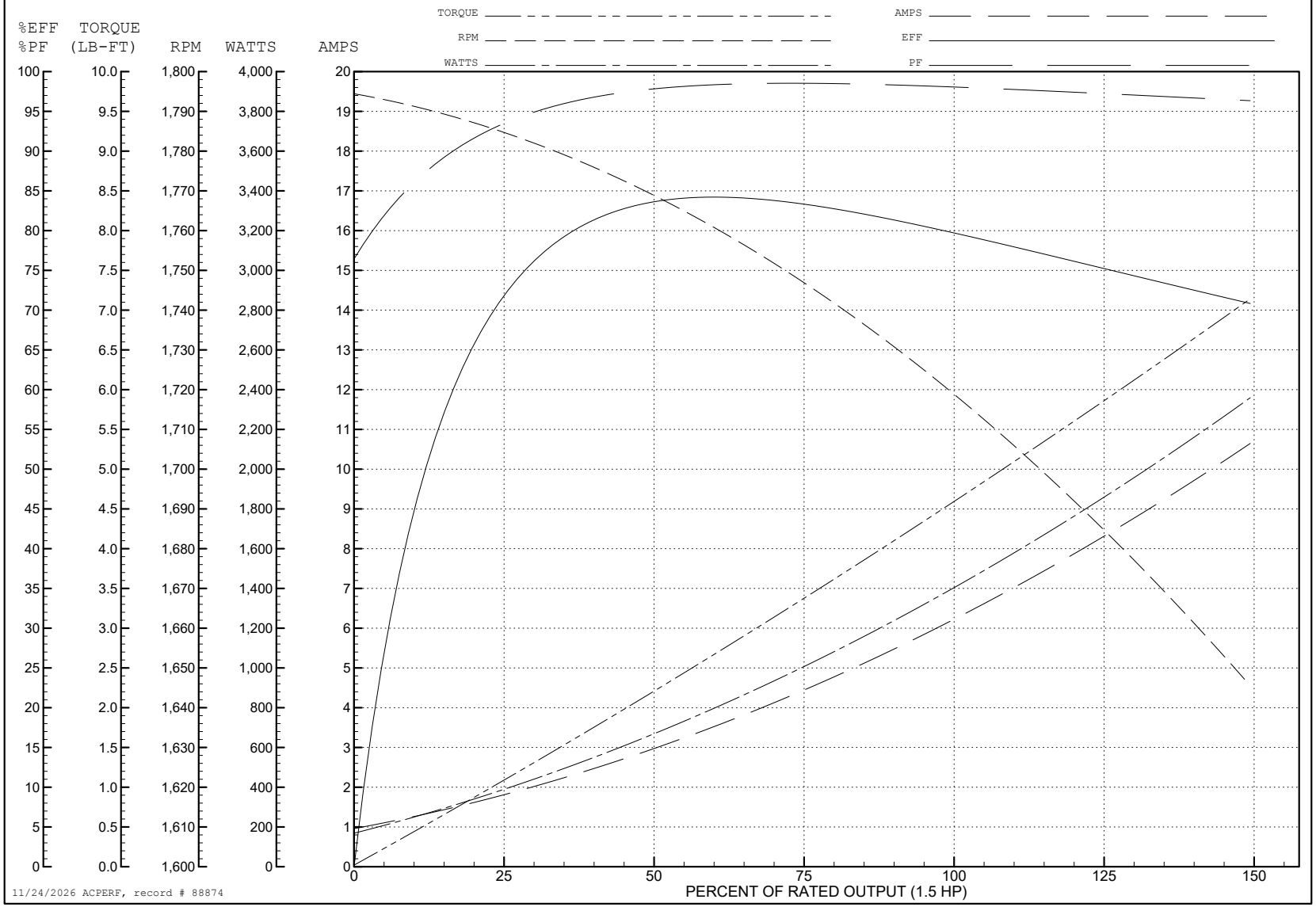
ABB Motors and Mechanical Inc.

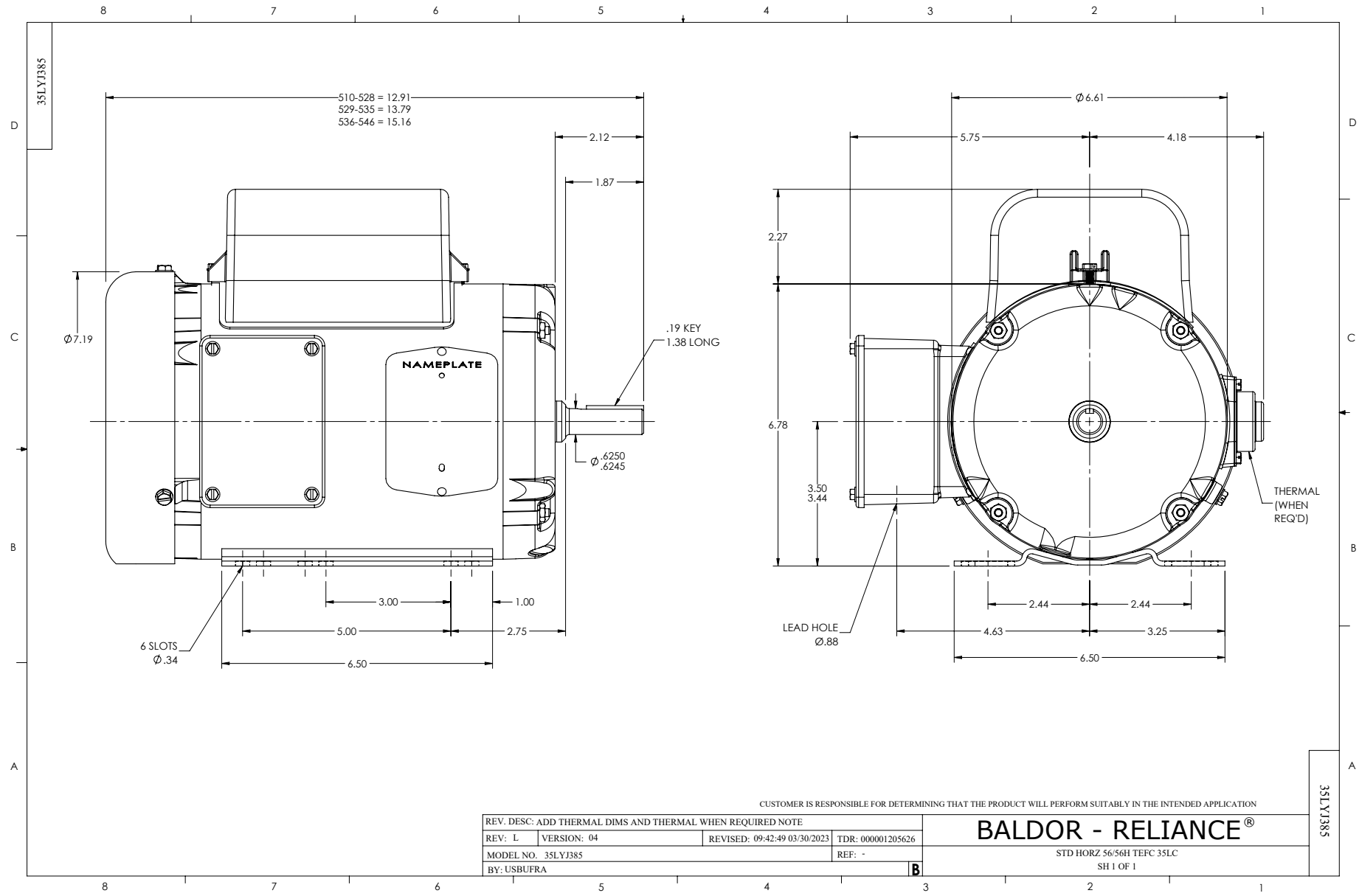
WINDING # 35WGG377

1.5 HP 1 PH 60 HZ 1725 RPM 230 V 3532LC

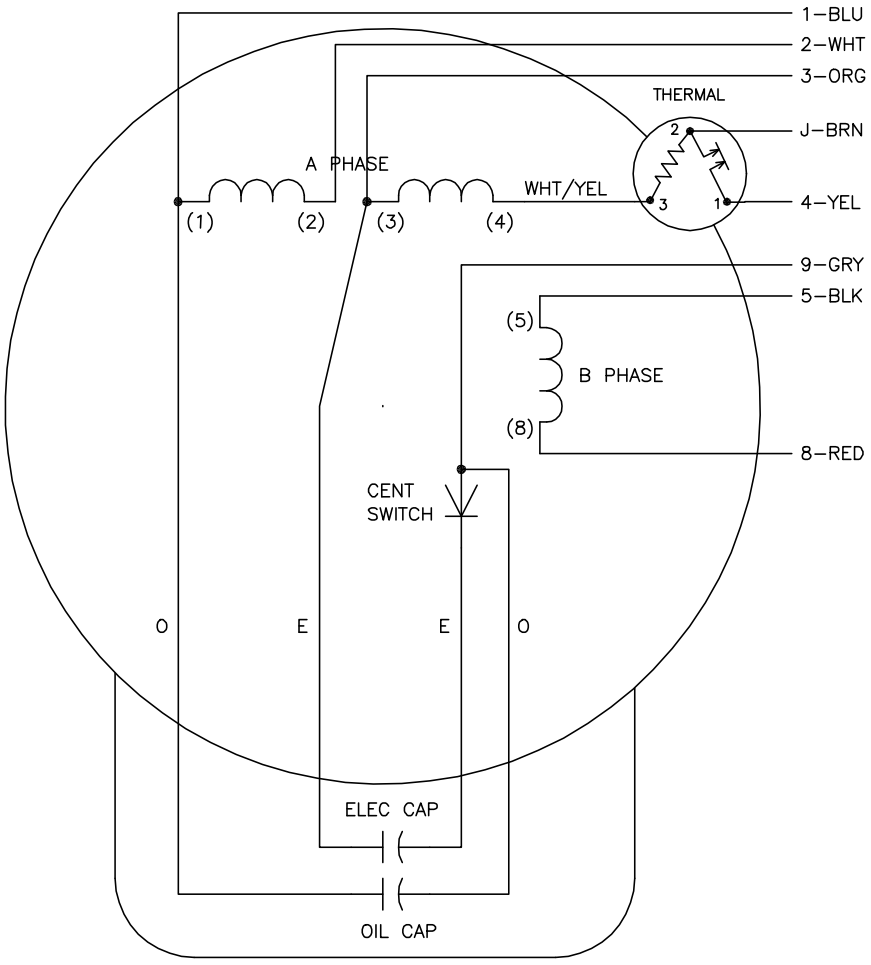
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=9.9 PU=8.06 LR=12.98 LRA=43.97




35LYJ385
510-528 = 12.91
529-535 = 13.79
536-546 = 15.16
2.12
1.87
Ø7.19
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
.6245
3.00
1.00
5.00
2.75
6 SLOTS
Ø.34
6.50
Ø6.61
5.75
4.18
2.27
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
2.44
2.44
LEAD HOLE
Ø.88
4.63
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: L
VERSION: 04
REVISED: 09:42:49 03/30/2023
TDR: 000001205626
MODEL NO. 35LYJ385
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56/56H TEFC 35LC
SH 1 OF 1
35LYJ385

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