ABB BALDOR RELIANCE

Customer information packet

L3500

.25HP, 1150RPM, 1PH, 60HZ, 56, 3526L, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
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, Induction Run
Output @ Frequency	.250 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 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	3.400 A @ 230.0 V
	6.800 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	55.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.4 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	B
Type	AC
Mech. spec.	35C011
Base	
Status	PRD/A
Elec. spec.	35WGG379
Layout	35LYC011
Eff. date	01-27-2025
CD Diagram	CD0001
Poles	06
Leads	6#18
Proprietary	False
Created date	09-26-2024

KVA Code	P
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	3526L
Mounting Arrangement	F1
Number of Poles	6
Overall Length	13.23 IN
Power Factor	43
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	1.35
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1150 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	None
Winding Thermal 2	None

Nameplate

NP1256L										
CAT.NO.	L3500									
SPEC.	35C011G379G2									
HP	.25									
VOLTS	115/230									
AMP	6.8/3.4									
RPM	1150									
FRAME	56		**HZ**	60			**PH**	1		
SER.F.	1.35	**CODE**	P	**DES**	N	**CLASS**		F		
NEMA-NOM-EFF	55	**PF**	43							
RATING	40C AMB-CONT									
CC										
DE	6205		**ODE**	6203						
ENCL	TEFC	**SN**								
	SFA 7.3/3.65									

Accessories

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

AC Induction Motor Performance Data
Record # 107062
Preliminary Data Sheet

Winding: 35WGG379-R017	**Type:** 3526L	**Enclosure:** TEFC

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			.25	**Full Load Torque**	1.12 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			6.8/3.4	**Breakdown Torque**	4.6 LB-FT
R.P.M.			1150	**Pull-up Torque**	5.2 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	9.4 LB-FT
NEMA Design Code	N	**KVA Code**	P	**Starting Current**	28.2 A
Service Factor (S.F.)			1.35	**No-load Current**	6.12 A
NEMA Nom. Eff.	55	**Power Factor**	43	**Line-line Res. @ 25ºC**	1.65 Ω A Ph 1.71 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C
S.F. Amps			7.3/3.65	**Temp. Rise @ S.F. Load**	51°C
				Locked-rotor Power Factor	100
				Rotor inertia	0.188 lb-ft²

Load Characteristics 115 V, 60 Hz, 0.25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	26	32	38	43	49	53	51
Efficiency	26	41.1	50.2	55.9	59.3	60.1	59.6
Speed	1192	1188	1183	1178	1172	1160	1167
Line amperes	6.04	6.22	6.48	6.78	7.09	7.64	7.31

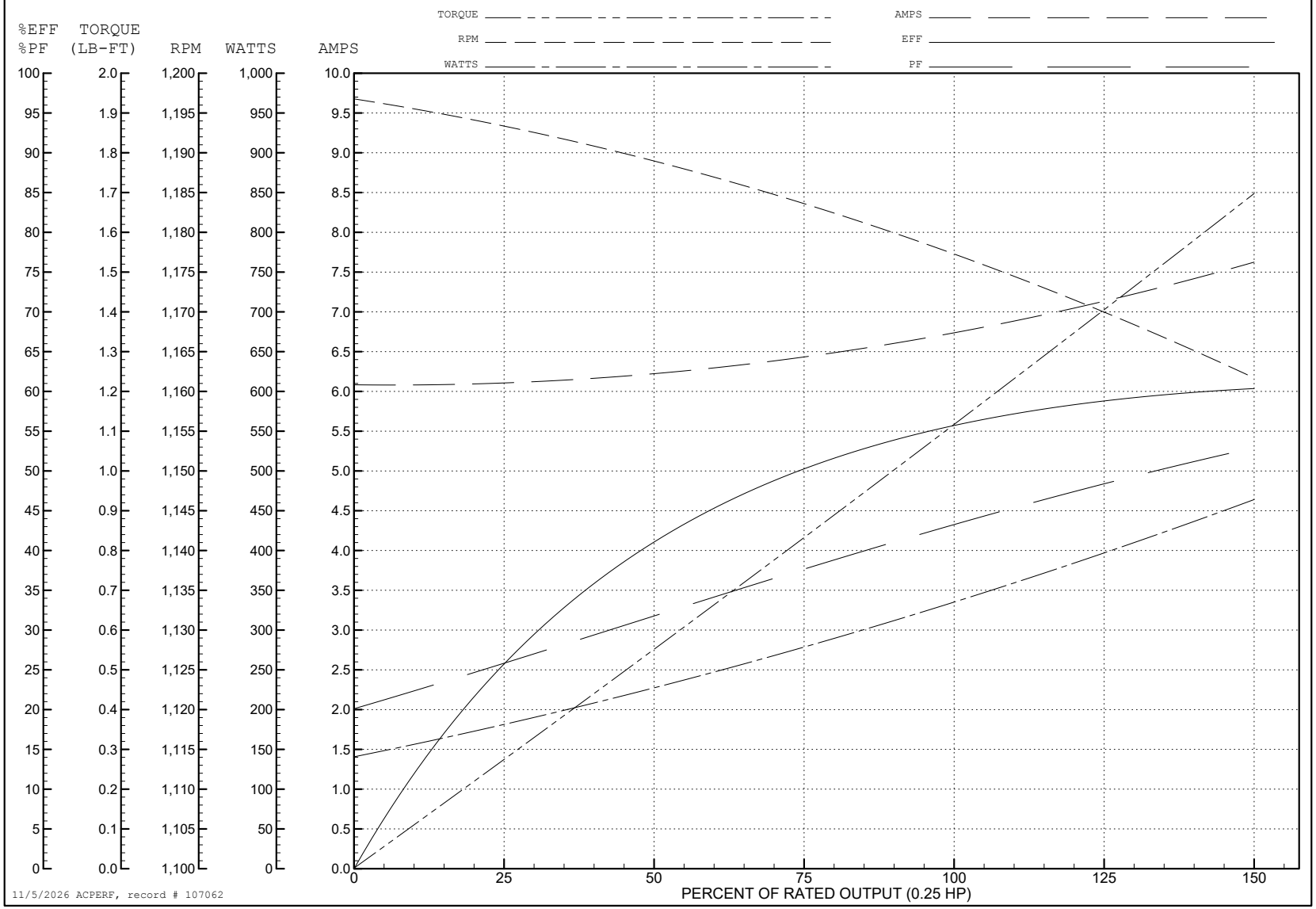
ABB Motors and Mechanical Inc.

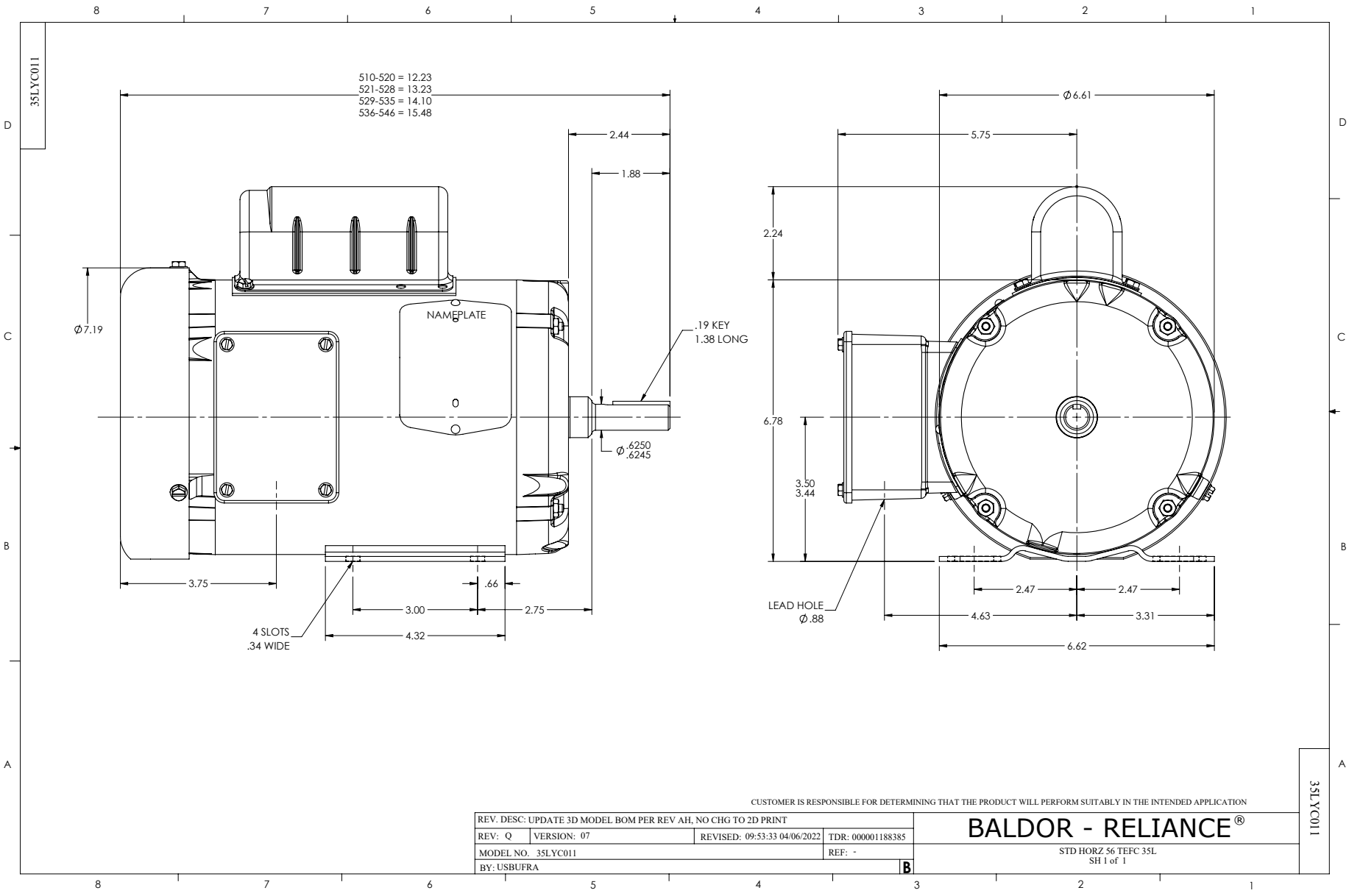
WINDING # 35WGG379

0.25 HP 1 PH 60 HZ 1150 RPM 115 V 3526L

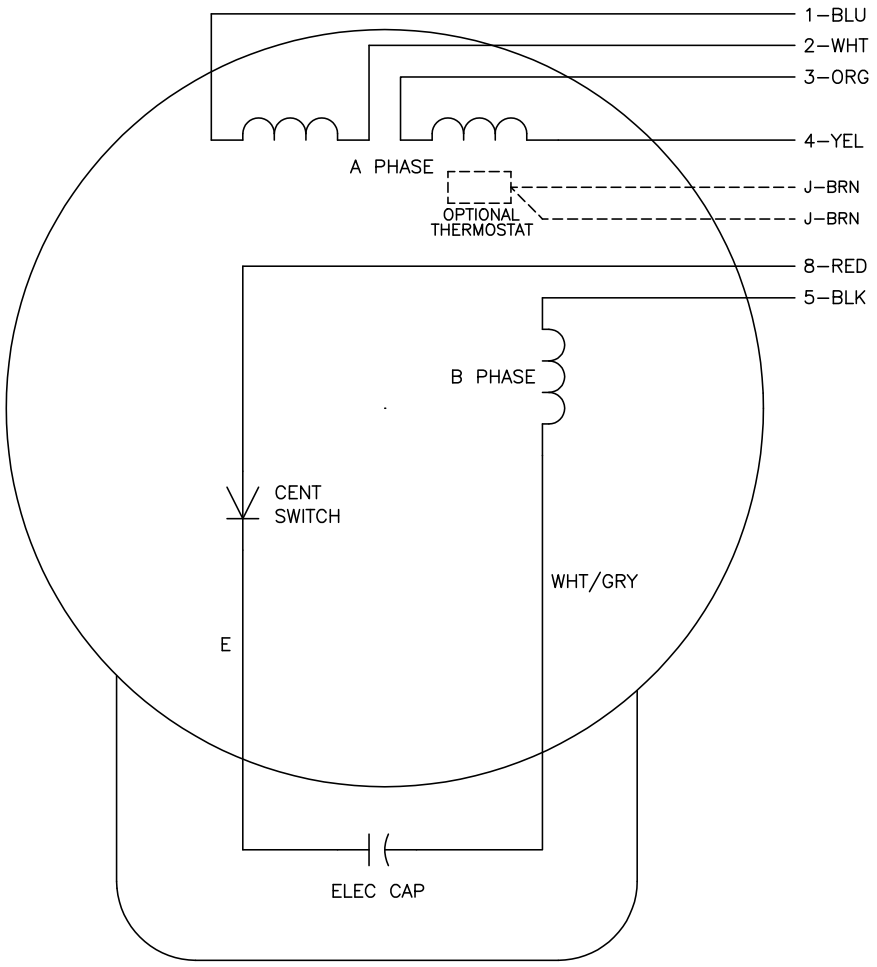
TORQUES(LB-FT): PO=4.6 PU=5.2 LR=9.4 LRA=28.2

Typical performance - not guaranteed values.




35LYC011
510-520 = 12.23
521-528 = 13.23
529-535 = 14.10
536-546 = 15.48
2.44
1.88
NAMEPLATE
Ø7.19
.19 KEY
1.38 LONG
Ø.6250
.6245
3.75
.66
3.00
2.75
4 SLOTS
.34 WIDE
4.32
Ø6.61
5.75
2.24
6.78
3.50
3.44
LEAD HOLE
Ø.88
2.47
2.47
4.63
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 AH, NO CHG TO 2D PRINT
REV: Q
VERSION: 07
REVISED: 09:53:33 04/06/2022
TDR: 000001188385
MODEL NO. 35LYC011
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56 TEFC 35L
SH 1 of 1
35LYC011

CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS

CD0001