BALDOR • RELIANCE

Customer information packet

PCL3514M

1.5HP, 1750RPM, 1PH, 60HZ, 56C, 3532LC, TEFC,
Class - None
Division - Not Applicable

12/22/2025 12:28:37 PM

Specifications

Enclosure	TEFC
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	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	13.000 A @ 115.0 V 6.500 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	6.5 a
Insulation Class	F
Inverter Code	Not Inverter

Part detail

Revision	-
Type	AC
Mech. spec.	35K358
Base	
Status	PRD/A
Elec. spec.	35WGZ997
Layout	35LYK358
Eff. date	12-13-2024
CD Diagram	CD0016A02
Poles	04
Leads	4#16 A&J,3#18 B PH,1#14 #4TH
Proprietary	False
Created date	12-11-2024

KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.10 IN
Power Factor	95
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	1750 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

NP1257L									
CAT.NO.	PCL3514M								
SPEC.	35K358Z997								
HP	1.5								
VOLTS	115/230								
AMP	13/6.5								
RPM	1750								
FRAME	56C		**HZ**	60		**PH**	1		
SER.F.	1.15	**CODE**	J	**DES**	L	**CL**	F		
NEMA-NOM-EFF	80	**PF**	95						
RATING	40C AMB-CONT								
CC									
DE	6205	**ODE**	6203						
ENCL	TEFC	**SN**							

AC Induction Motor Performance Data
Record # 105572
Typical performance - not guaranteed values

Winding: 35WGZ997-R004	**Type:** 3532LC	**Enclosure:** TEFC

Nameplate Data		
Rated Output (HP)		1.5
Volts		115/230
Full Load Amps		13/6.5
R.P.M.		1750
Hz	60 **Phase**	1
NEMA Design Code	L **KVA Code**	J
Service Factor (S.F.)		1.15
NEMA Nom. Eff.	80 **Power Factor**	95
Rating - Duty		40C AMB-CONT
S.F. Amps		

115 V, 60 Hz: Low Voltage Connection	
Full Load Torque	4.6 LB-FT
Start Configuration	direct on line
Breakdown Torque	11.5 LB-FT
Pull-up Torque	9.2 LB-FT
Locked-rotor Torque	11.6 LB-FT
Starting Current	93.9 A
No-load Current	3.64 A
Line-line Res. @ 25ºC	0.518 Ω A Ph 1.92 Ω B Ph
Temp. Rise @ Rated Load	64°C
Temp. Rise @ S.F. Load	79°C
Locked-rotor Power Factor	87.5
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	78	89	93	95	96	95	96
Efficiency	64.7	76.5	80.1	80.5	79.2	75.6	79.7
Speed	1788	1777	1765	1750	1736	1712	1742
Line amperes	4.97	7.32	9.99	13	16.1	20.2	14.9

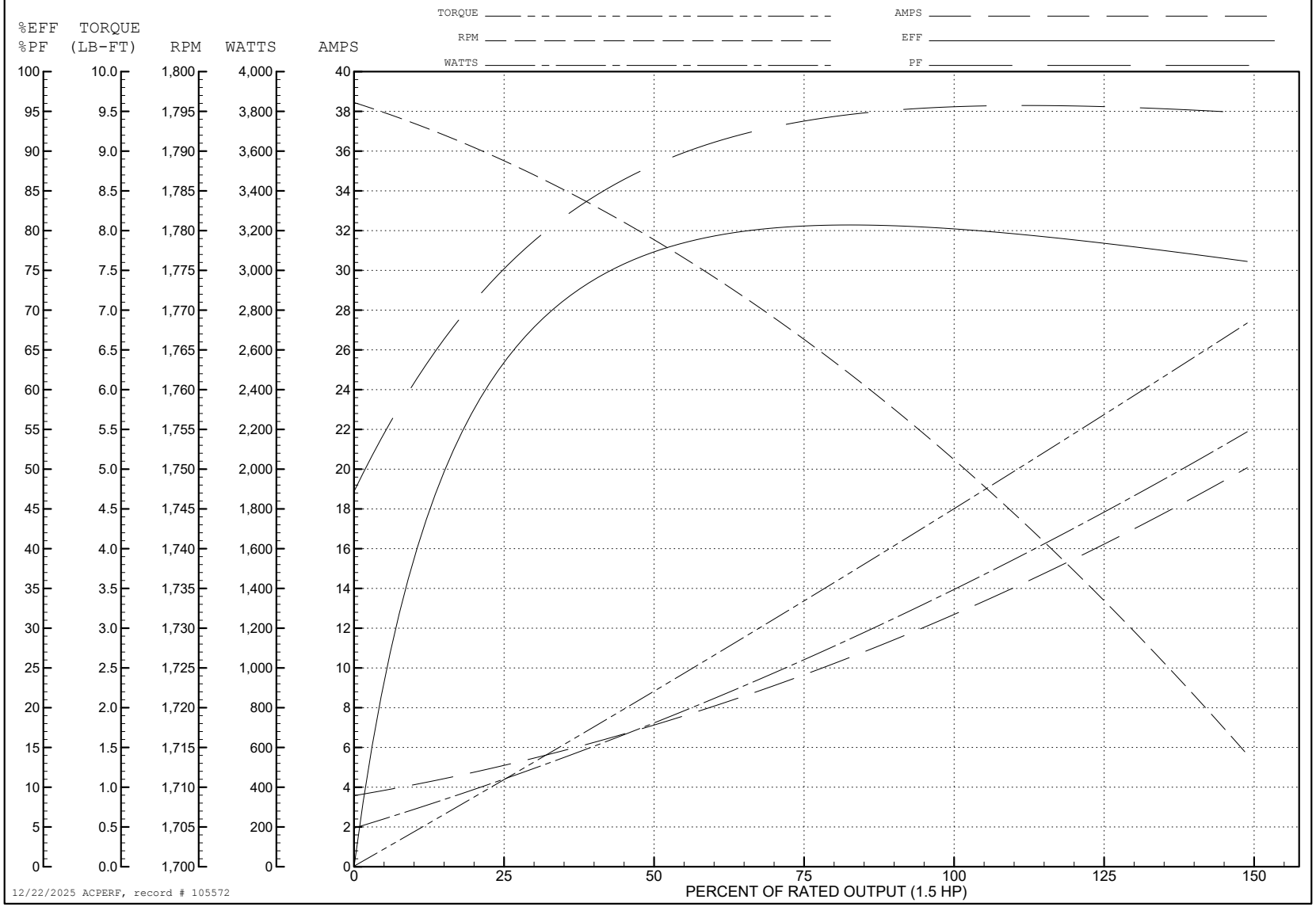
ABB Motors and Mechanical Inc.

WINDING # 35WGZ997

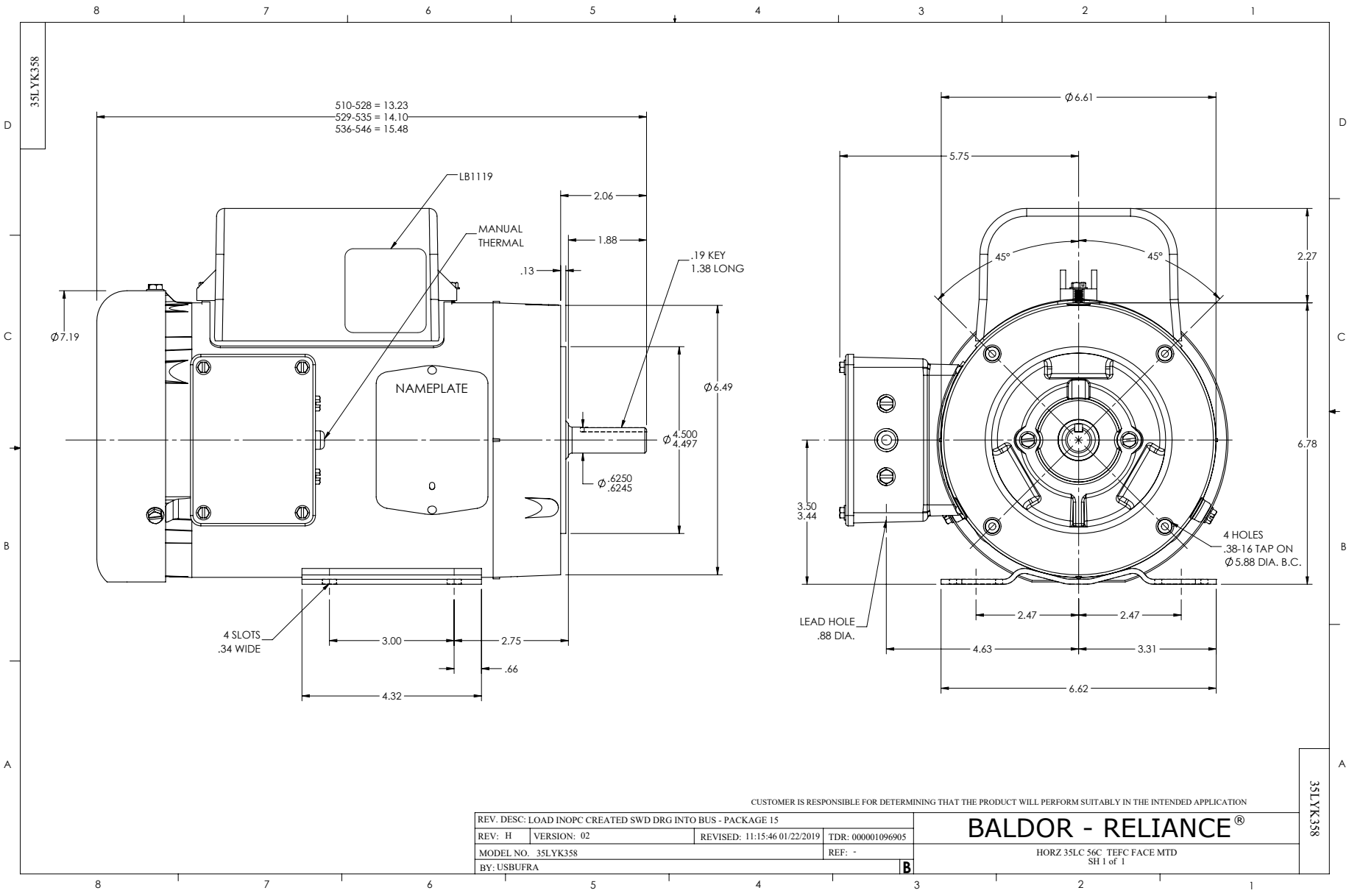
1.5 HP 1 PH 60 HZ 1750 RPM 115 V 3532LC

Typical performance - not guaranteed values.

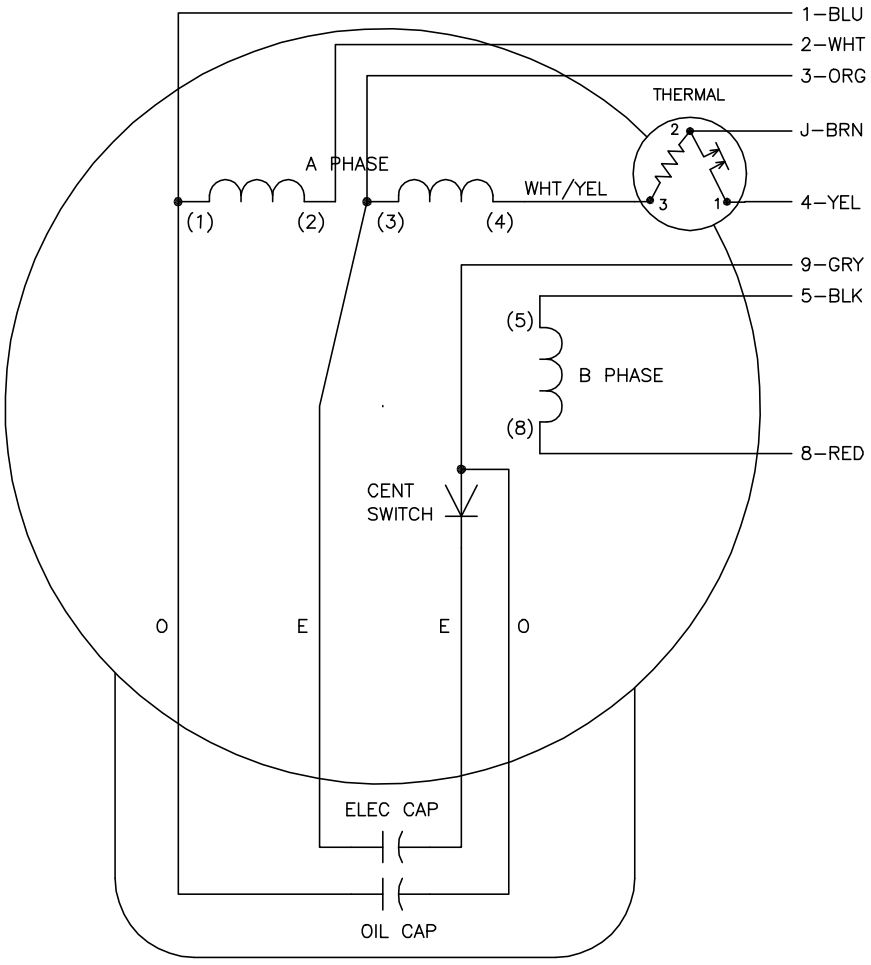
TORQUES(LB-FT): PO=11.5 PU=9.2 LR=11.6 LRA=93.9



12/22/2025 ACPERF, record # 105572


35LYK358
510-528 = 13.23
529-535 = 14.10
536-546 = 15.48
LB1119
MANUAL
THERMAL
2.06
1.88
.13
.19 KEY
1.38 LONG
Ø7.19
NAMEPLATE
Ø6.49
Ø4.500
4.497
Ø.6250
.6245
4 SLOTS
.34 WIDE
3.00
2.75
.66
4.32
Ø6.61
5.75
45°
45°
2.27
6.78
3.50
3.44
4 HOLES
.38-16 TAP ON
Ø5.88 DIA. B.C.
LEAD HOLE
.88 DIA.
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: LOAD INOPC CREATED SWD DRG INTO BUS - PACKAGE 15
REV: H
VERSION: 02
REVISED: 11:15:46 01/22/2019
TDR: 000001096905
MODEL NO. 35LYK358
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ 35LC 56C TEFC FACE MTD
SH 1 of 1
35LYK358

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