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# Customer information packet

## L3514-50

1.5/1.1KW, 1455RPM, 1PH, 50HZ, 56, 3540LC, TEF

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	56
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.100 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	CE CURUS UKCA WEEE 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	6.200 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.2 a

## Part detail

Revision	G
Type	AC
Mech. spec.	35E008
Base	
Status	PRD/A
Elec. spec.	35WGG774
Layout	35LYE008
Eff. date	12-17-2024
CD Diagram	CD0017A02
Poles	04
Leads	4#18
Proprietary	False
Created date	05-26-2023

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Finish</b>	CLEAR COAT
<b>Motor Lead Quantity/Wire Size</b>	4 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3540LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	15.48 IN
<b>Power Factor</b>	98
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1455 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1372L</b>										
<b>CAT.NO.</b>	L3514-50									
<b>SPEC.</b>	35E008G774									
<b>HP</b>	1.5/1.1KW									
<b>VOLTS</b>	220									
<b>AMP</b>	6.2									
<b>R.P.M. (1/MIN)</b>	1455									
<b>FRAME</b>	56		<b>HZ</b>	50		<b>PH</b>	1			
<b>SER.F.</b>	1.15	<b>CODE</b>	J	<b>DES</b>	-	<b>CL</b>	F			
<b>NEMA-NOM-EFF</b>	81.4	<b>PF</b>	98							
<b>RATING</b>	40C AMB-S1 CONT									
<b>CC</b>			IP44 KG27 IC411							
<b>DE</b>	6205	<b>ODE</b>	6203							
<b>ENCL</b>	TEFC	<b>SN</b>								

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

**AC Induction Motor Performance Data**

Record # 101541

Typical performance - not guaranteed values

Winding: 35WGG774-R001		Type: 3540LC	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>220 V, 50 Hz: Single Voltage Motor</b>	
Rated Output (KW)	1.1	Full Load Torque	5.317 LB-FT	
Volts	220	Start Configuration	direct on line	
Full Load Amps	6.2	Breakdown Torque	14.3 LB-FT	
R.P.M.	1455	Pull-up Torque	11.5 LB-FT	
Hz	50	Locked-rotor Torque	14.3 LB-FT	
NEMA Design Code	-	Starting Current	49.2 A	
Service Factor (S.F.)	1.15	No-load Current	1.46 A	
NEMA Nom. Eff.	81.4	Line-line Res. @ 25°C	1.8474 Ω A Ph 2.6102 Ω B Ph	
Rating - Duty	40C	Temp. Rise @ Rated Load	57°C	
S.F. Amps	AMB-CONT	Temp. Rise @ S.F. Load	68°C	

**Load Characteristics 220 V, 50 Hz, 1.1 KW**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	94	98	98	98	98	98	98
Efficiency	60.6	76.7	81.7	82.9	82.1	79.4	82.4
Speed	1488.5	1479	1468.7	1456.9	1442.7	1424.4	1448
Line amperes	2.21	3.36	4.67	6.13	7.74	9.61	7.1

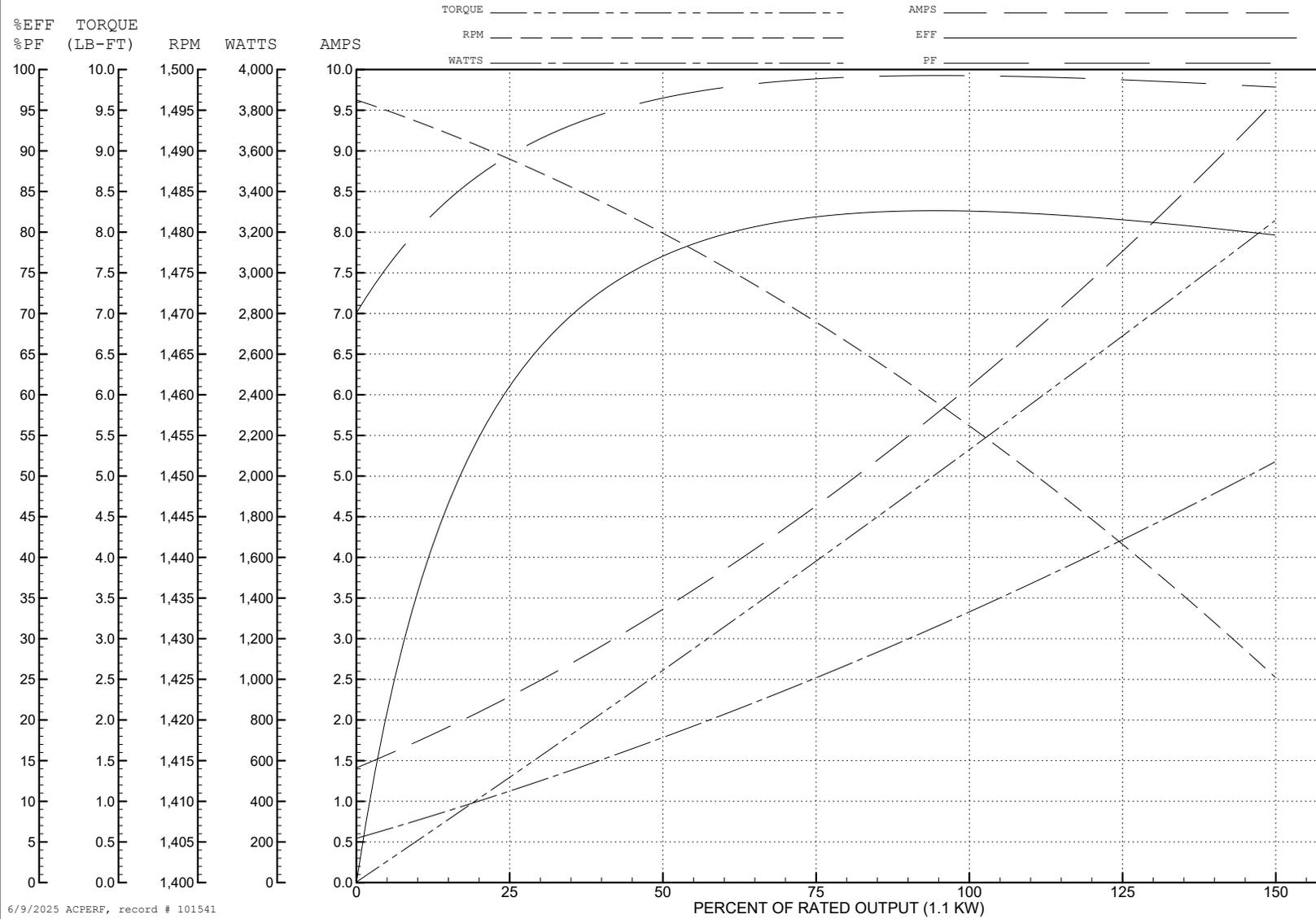
ABB Motors and Mechanical Inc.

WINDING # 35WGG774

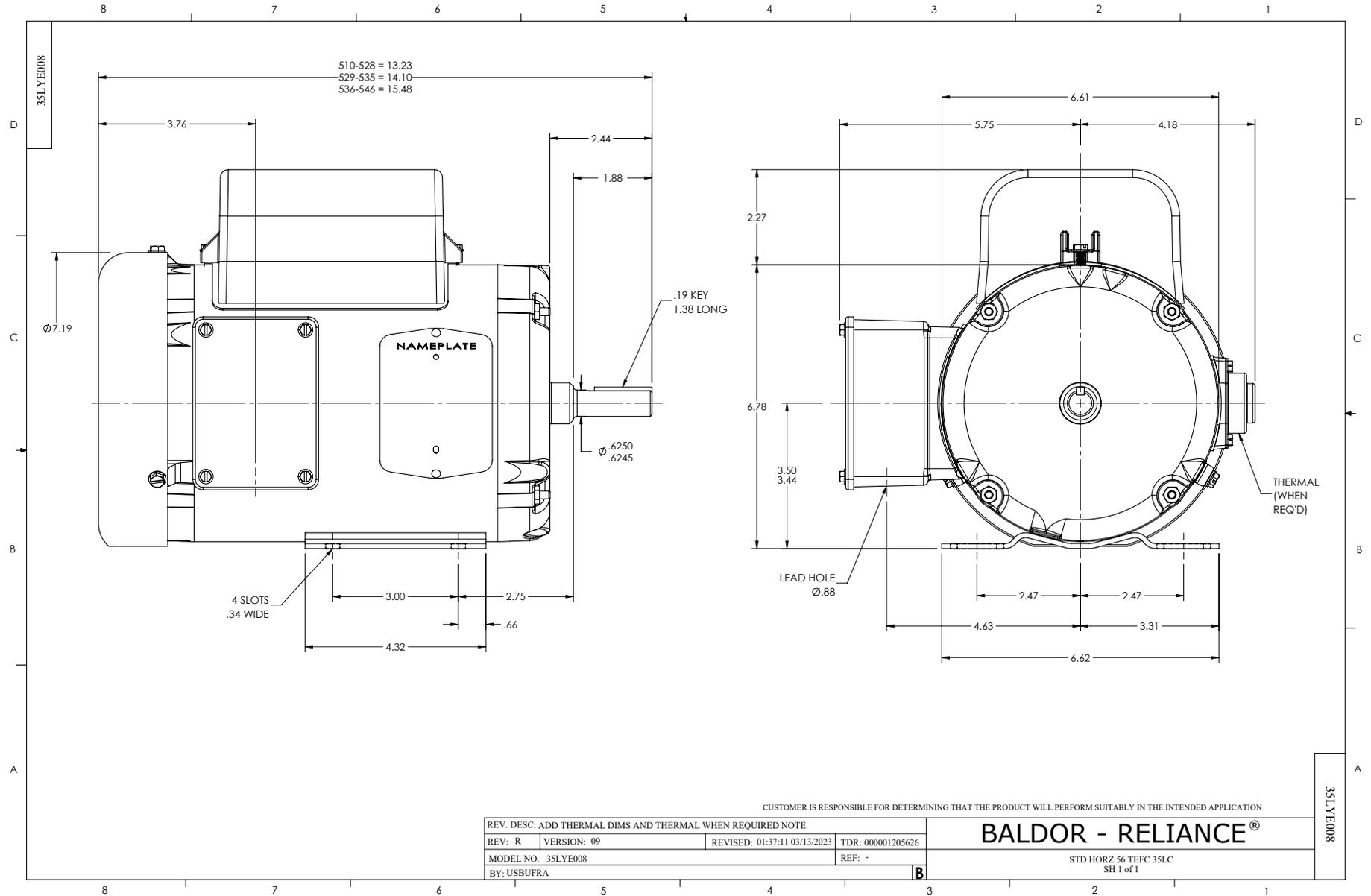
Typical performance - not guaranteed values.

1.1 KW 1 PH 50 HZ 1455 RPM 220 V 3540LC

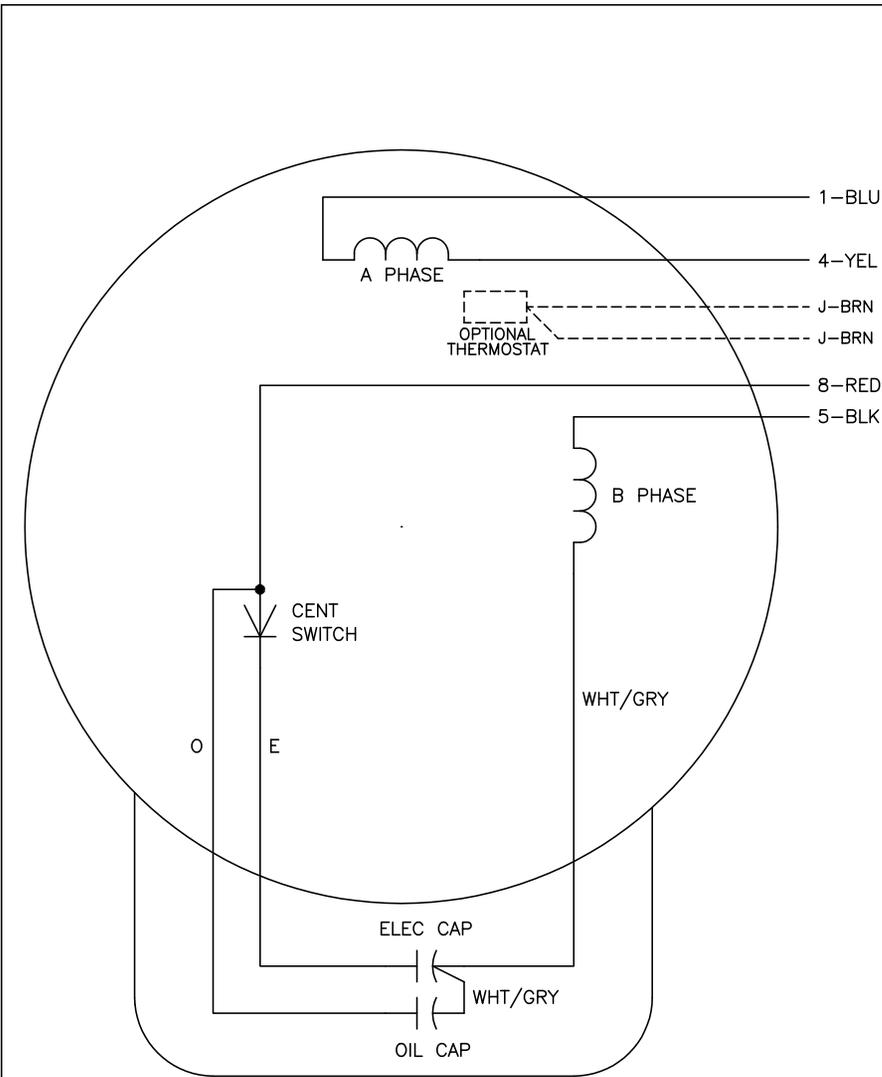
TORQUES (LB-FT): PO=14.3 PU=11.5 LR=14.3 LRA=49.2



6/9/2025 ACPERF, record # 101541



CD0017A02



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	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.

CD0017A02

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, SV, REV, 4 LEADS