

**BALDOR • RELIANCE**

---

# Customer information packet

## CL3514

1.5HP, 1725RPM, 1PH, 60HZ, 56C, 3532LC, TEFC, F

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
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
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
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	6.100 A @ 230.0 V 12.200 A @ 115.0 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	6.1 a
Insulation Class	F

## Part detail

Revision	B
Type	AC
Mech. spec.	35E024
Base	
Status	PRD/A
Elec. spec.	35WGG242
Layout	35LYE024
Eff. date	11-01-2022
CD Diagram	CD0016A01
Poles	04
Leads	7#18
Proprietary	False
Created date	08-01-2022

<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	H
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	7 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3532LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	14.10 IN
<b>Power Factor</b>	98
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<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>	1725 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>NP1256L</b>									
<b>CAT.NO.</b>	CL3514								
<b>SPEC.</b>	35E024G242								
<b>HP</b>	1.5								
<b>VOLTS</b>	115/230								
<b>AMP</b>	12.2/6.1								
<b>RPM</b>	1725								
<b>FRAME</b>	56C		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.15	<b>CODE</b>	H	<b>DES</b>	L	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	80	<b>PF</b>	98						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>		<b>USABLE AT 208V</b>							
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>ENCL</b>	TEFC	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 88494

Typical performance - not guaranteed values

Winding: 35WGG242-R001		Type: 3532LC		Enclosure: TEFC	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: High Voltage Connection</b>		
Rated Output (HP)	1.5		Full Load Torque	4.566 LB-FT	
Volts	115/230		Start Configuration	direct on line	
Full Load Amps	13.4/6.7		Breakdown Torque	9.93 LB-FT	
R.P.M.	1725		Pull-up Torque	8.07 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	13 LB-FT	
NEMA Design Code	L	KVA Code	H	Starting Current	44 A
Service Factor (S.F.)	1.15		No-load Current	0.84 A	
NEMA Nom. Eff.	80	Power Factor	90	Line-line Res. @ 25°C	2.1263 Ω A Ph 1.3142 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	61°C	
S.F. Amps			Temp. Rise @ S.F. Load	84°C	

**Load Characteristics 230 V, 60 Hz, 1.5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	94	98	98	98	97	96	97
Efficiency	71.4	82.5	84.1	82.3	77.7	70.5	79.5
Speed	1782.1	1765.3	1746.2	1722.8	1689.8	1641.6	1703
Line amperes	1.77	3.01	4.42	6.03	8.04	10.7	7.24

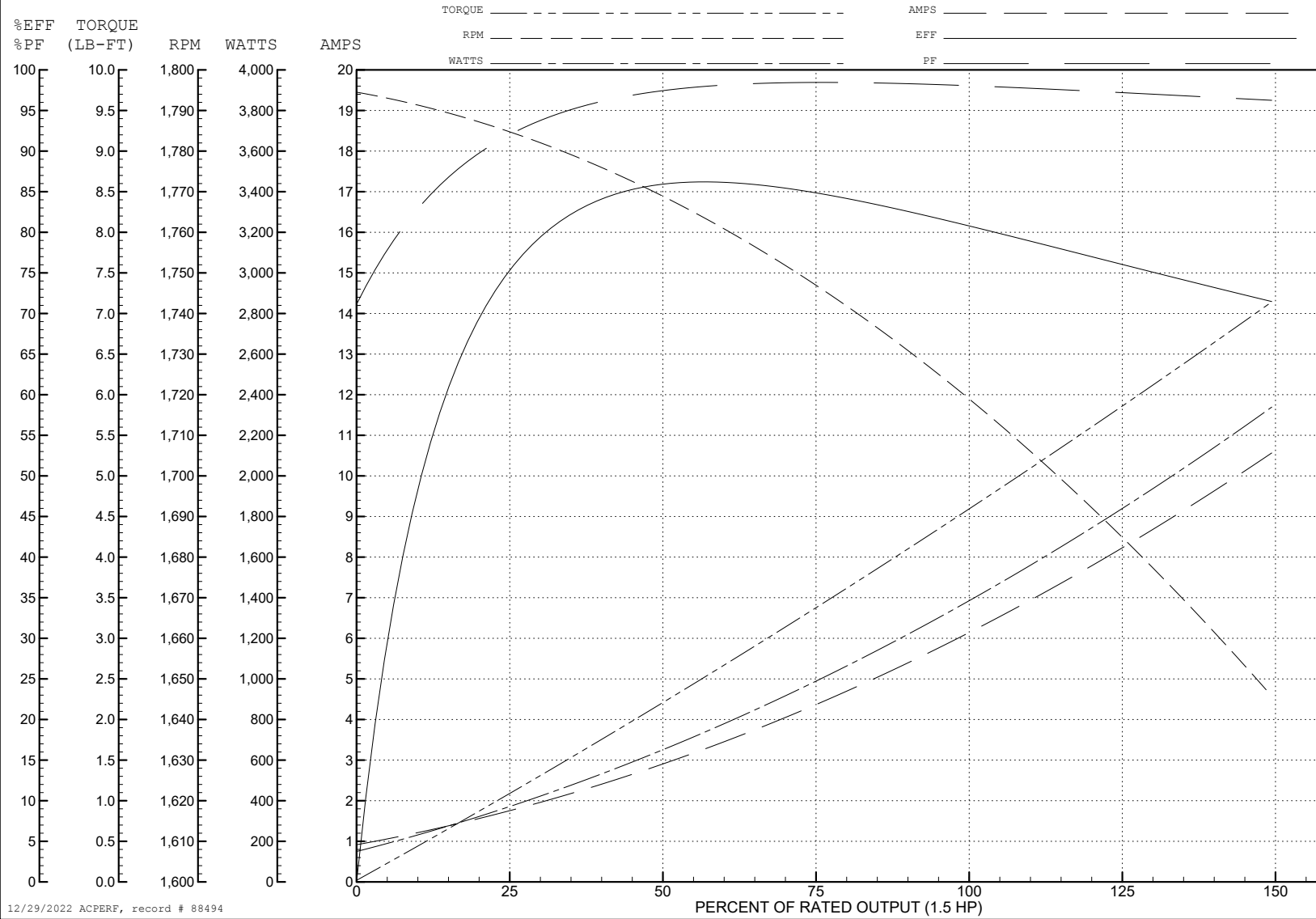
ABB Motors and Mechanical Inc.

WINDING # 35WGG242

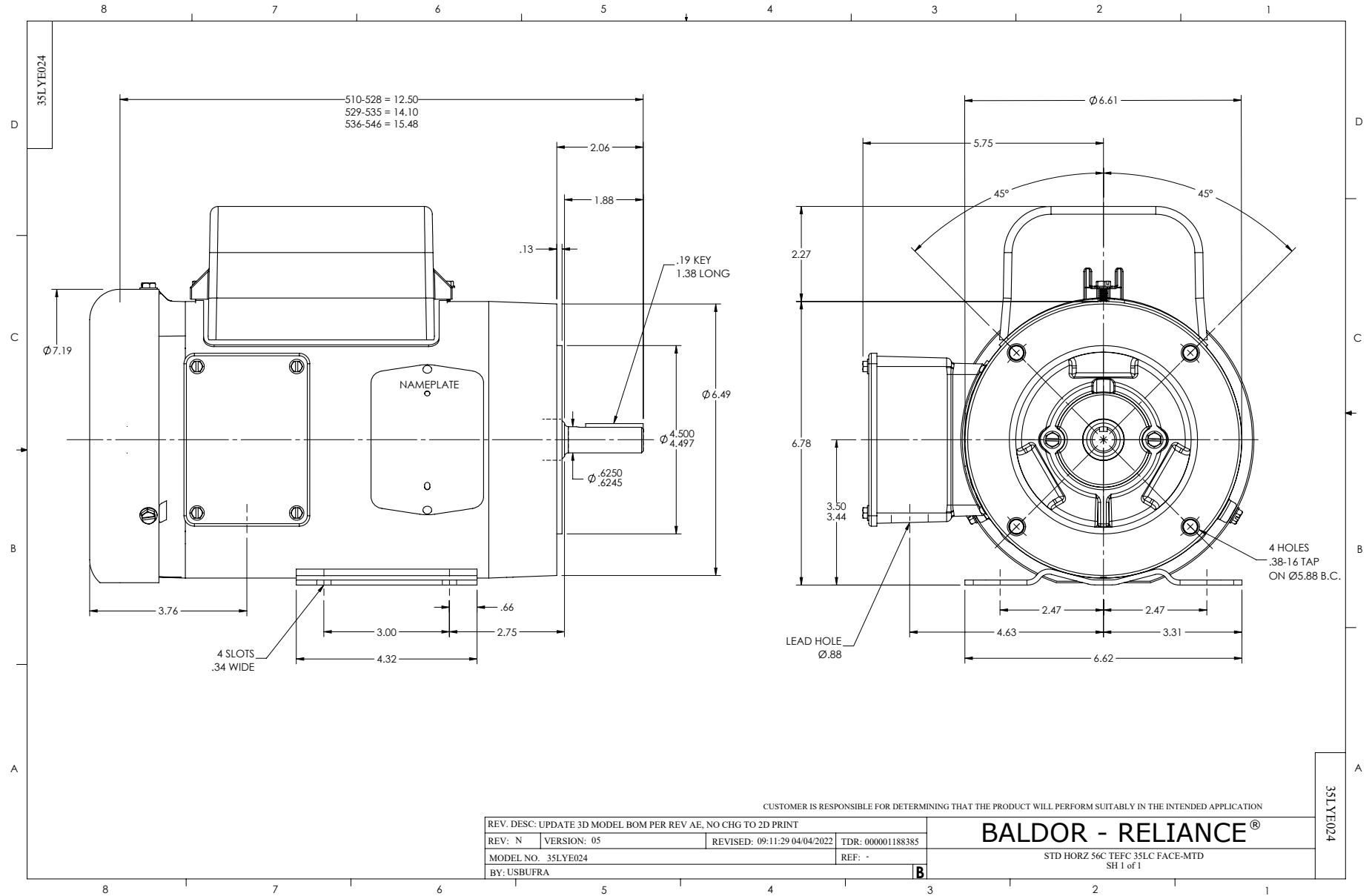
Typical performance - not guaranteed values.

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

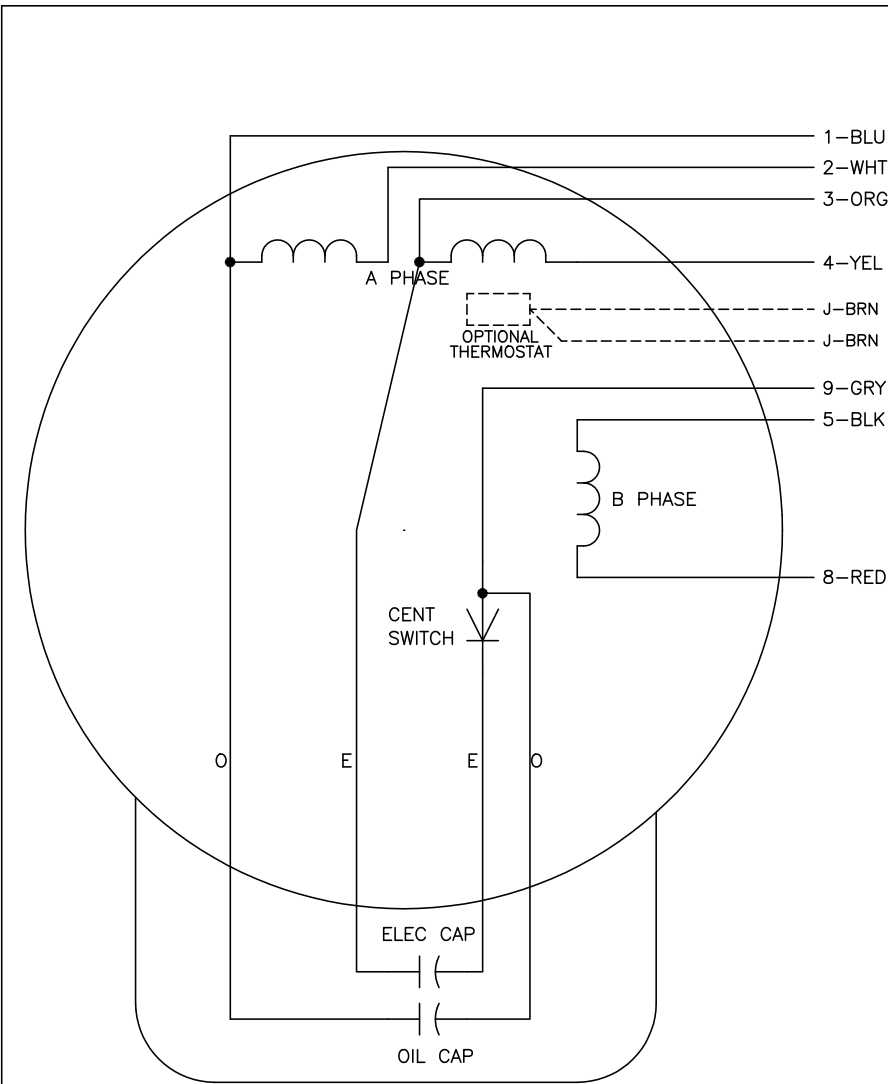
TORQUES (LB-FT): PO=9.93 PU=8.07 LR=13 LRA=44



12/29/2022 ACPERF, record # 88494



CD0016A01



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4,5	2,3	8,9
HIGH OPP	1	4,8	2,3	5,9
LOW STD	1,3	2,4,5	8,9	-
LOW OPP	1,3	2,4,8	5,9	-

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.

CD0016A01

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 04/09/99 1:19	TDR: 0178636
10A91000		FILE: AAA00007410	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, DV, REV, OIL CAP ACR. LINE, 7 LEADS