

BALDOR • RELIANCE

Customer information packet

VL3515-50

2/1.5KW, 2900RPM, 1PH, 50HZ, 56C, 3536LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56C
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	1.500 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	C UR US WEEE UKCA CURUS CE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	8.300 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.3 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.3 a

Part detail

Revision	E
Type	AC
Mech. spec.	35E022
Base	
Status	PRD/A
Elec. spec.	35WGG772
Layout	35LYE022
Eff. date	07-23-2024
CD Diagram	CD0017A02
Poles	02
Leads	4#14 A PH
Proprietary	False
Created date	10-10-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3536LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.48 IN
Power Factor	98
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	2900 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

NP1372L										
CAT.NO.	VL3515-50									
SPEC.	35E022G772									
HP	2/1.5KW									
VOLTS	220									
AMP	8.3									
R.P.M. (1/MIN)	2900									
FRAME	56C		HZ	50		PH	1			
SER.F.	1.15	CODE	J	DES	-	CL	F			
NEMA-NOM-EFF	81.3	PF	98							
RATING	40C AMB-S1 CONT									
CC			IP44 IC411 34KG							
DE	6205		ODE	6203						
ENCL	TEFC	SN								
	IE2-50HZ 80(75%),79(50%)									

AC Induction Motor Performance Data

Record # 101543

Typical performance - not guaranteed values

Winding: 35WGG772-R001		Type: 3536LC	Enclosure: TEFC	
Nameplate Data			220 V, 50 Hz: Single Voltage Motor	
Rated Output (KW)	1.5	Full Load Torque	3.638 LB-FT	
Volts	220	Start Configuration	direct on line	
Full Load Amps	8.3	Breakdown Torque	10.6 LB-FT	
R.P.M.	2900	Pull-up Torque	8.15 LB-FT	
Hz	50 Phase	1	Locked-rotor Torque	9.96 LB-FT
NEMA Design Code	- KVA Code	J	Starting Current	67.6 A
Service Factor (S.F.)	1.15	No-load Current	1.35 A	
NEMA Nom. Eff.	81.3 Power Factor	98	Line-line Res. @ 25°C	0.93974 Ω A Ph 2.4693 Ω B Ph
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	50°C	
S.F. Amps		Temp. Rise @ S.F. Load	61°C	

Load Characteristics 220 V, 50 Hz, 1.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	94	97	98	98	98	98	98
Efficiency	66.1	80	83.7	84.5	83.2	81	83.7
Speed	2977.1	2957.6	2938.9	2906.2	2878.2	2848	2889
Line amperes	2.78	4.42	6.24	8.26	10.4	12.9	9.54

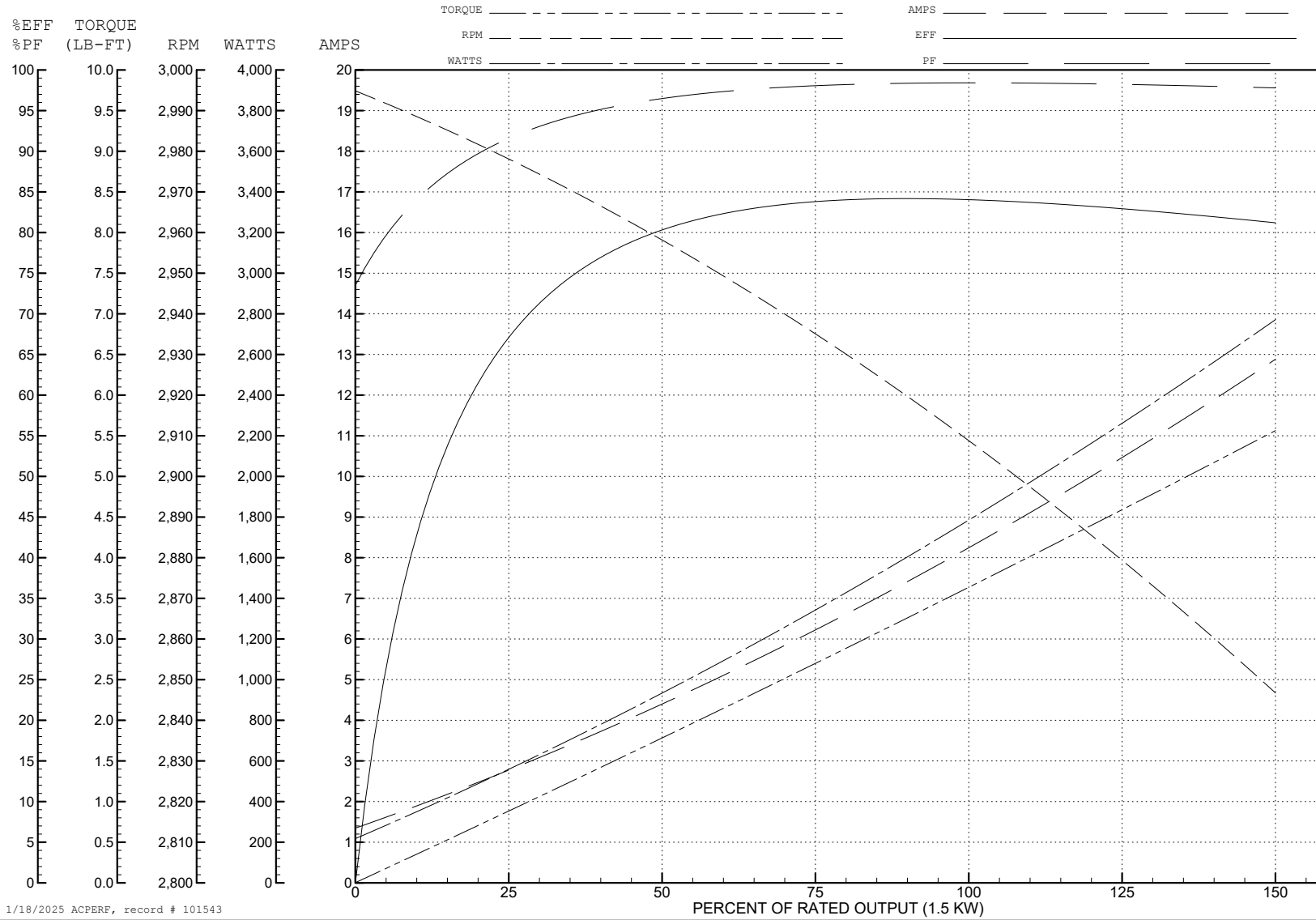
ABB Motors and Mechanical Inc.

WINDING # 35WGG772

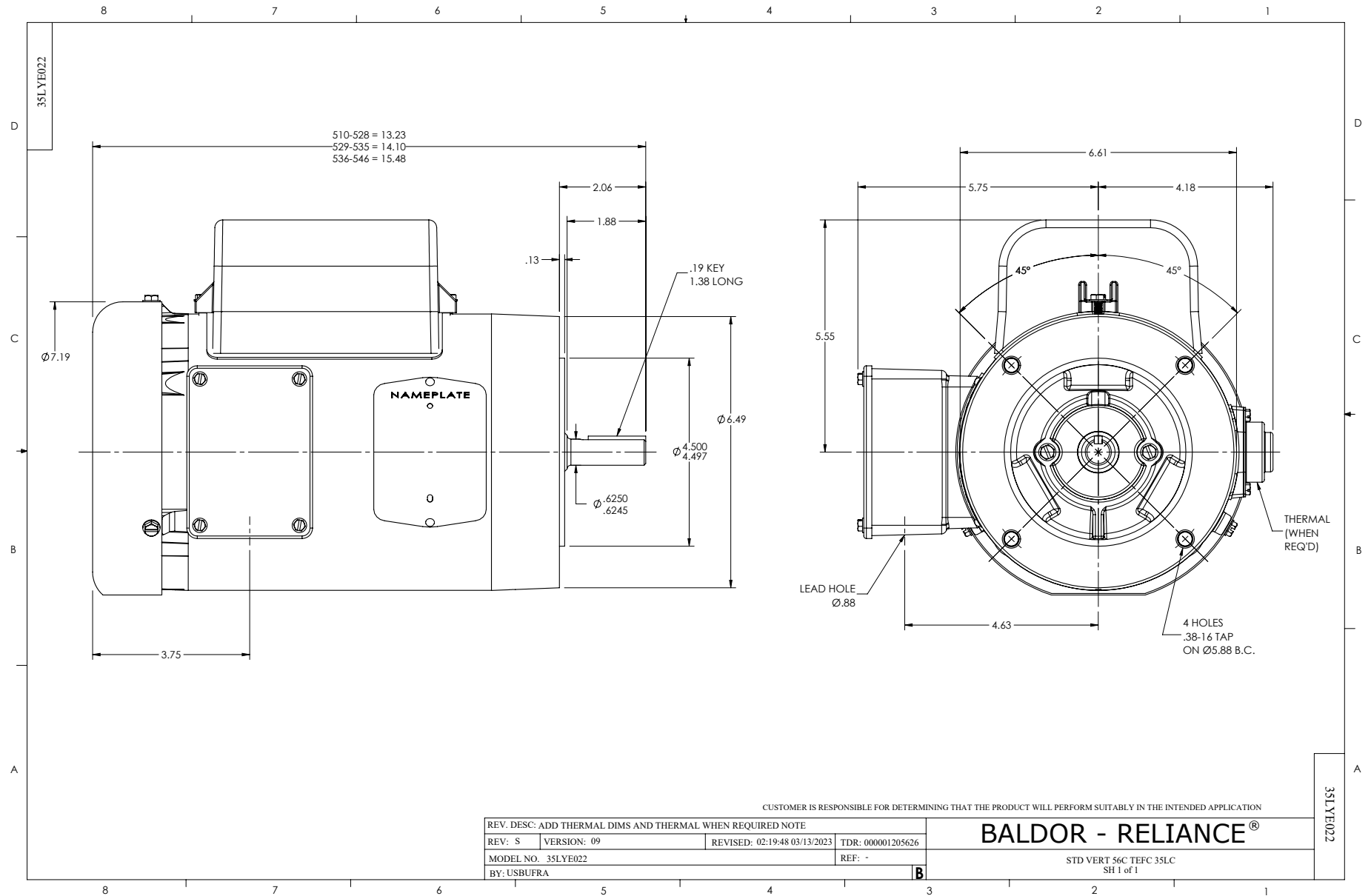
Typical performance - not guaranteed values.

1.5 KW 1 PH 50 HZ 2900 RPM 220 V 3536LC

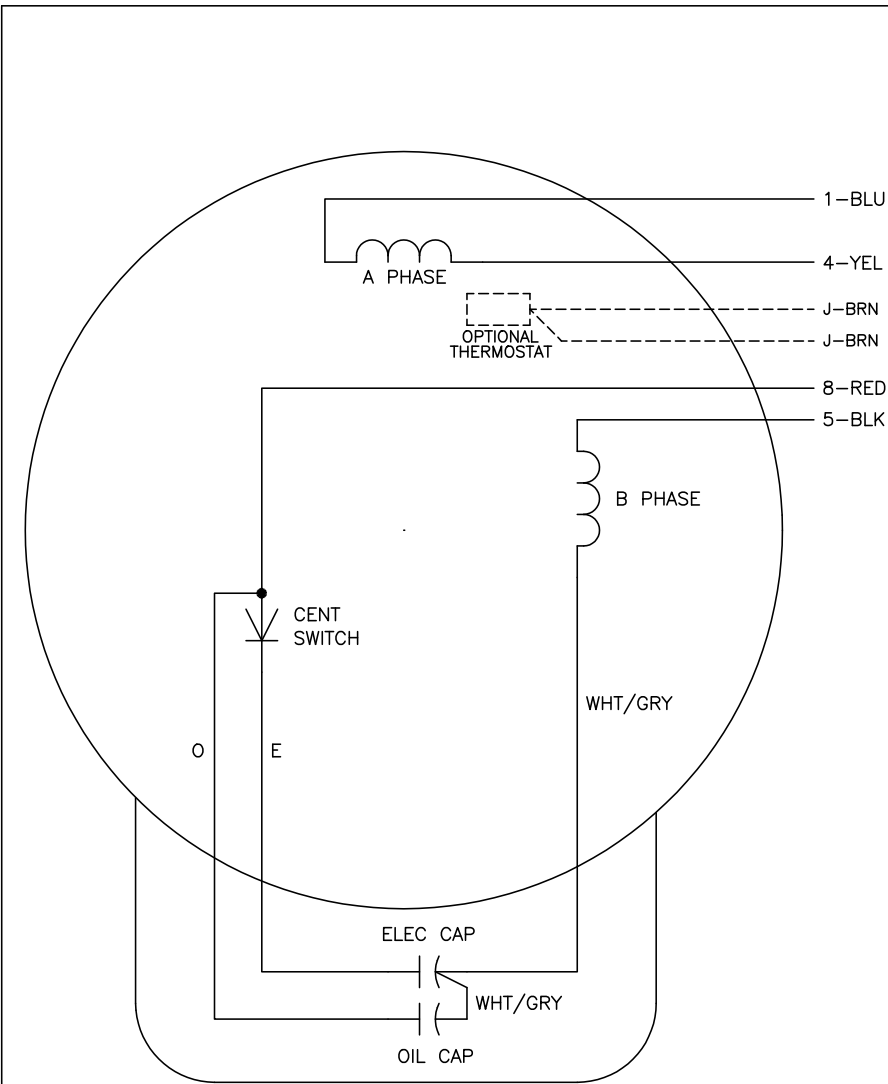
TORQUES (LB-FT): PO=10.6 PU=8.15 LR=9.96 LRA=67.6



1/18/2025 ACPERF, record # 101543



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