

BALDOR® • RELIANCE™

Customer information packet

VEL11318

1HP, 1750RPM, 1PH, 60HZ, 56C, 3528LC, ODTF, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODTF
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.000 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	CURUSEEV
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	4.400 A @ 230.0 V 8.800 A @ 115.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Not Inverter

Part detail

Revision	D
Type	AC
Mech. spec.	35E019
Base	
Status	PRD/A
Elec. spec.	35WGG109
Layout	35LYE019
Eff. date	05-14-2024
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	08-01-2022

KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.24 IN
Power Factor	89
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	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3155L									
CAT.NO.	VEL11318								
SPEC.	35E019G109								
HP	1								
VOLTS	115/230								
AMP	8.8/4.4								
RPM	1750								
FRAME	56C		HZ	60		PH	1		
SER.F.	1.15	CODE	K	DES	L	CL	F		
F.L. AVG. EFF.	82.6	PF	89						
RATING	40C AMB-CONT								
CC			USABLE AT 208V				N/A		
DE	6205	ODE	6203						
ENCL	ODTF	SN							

AC Induction Motor Performance Data

Record # 83985

Typical performance - not guaranteed values

Winding: 35WGG109-R001		Type: 3528LC	Enclosure: OPEN	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	1	Full Load Torque	3.004 LB-FT	
Volts	115/230	Start Configuration	direct on line	
Full Load Amps	8.8/4.4	Breakdown Torque	9.32 LB-FT	
R.P.M.	1750	Pull-up Torque	7.38 LB-FT	
Hz	60 Phase	Locked-rotor Torque	13.1 LB-FT	
NEMA Design Code	L KVA Code	Starting Current	75.8 A	
Service Factor (S.F.)	1.15	No-load Current	3.67 A	
NEMA Nom. Eff.	82.5 Power Factor	Line-line Res. @ 25°C	0.59566 Ω A Ph 1.1597 Ω B Ph	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	27°C	
S.F. Amps		Temp. Rise @ S.F. Load	33°C	

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	76	85	89	91	92	90
Efficiency	66.7	79.2	82.9	83.6	82.4	79.8	82.9
Speed	1786.4	1775.3	1762.9	1748.9	1733.7	1712.1	1740
Line amperes	4.17	5.38	6.91	8.7	10.7	13.3	9.9

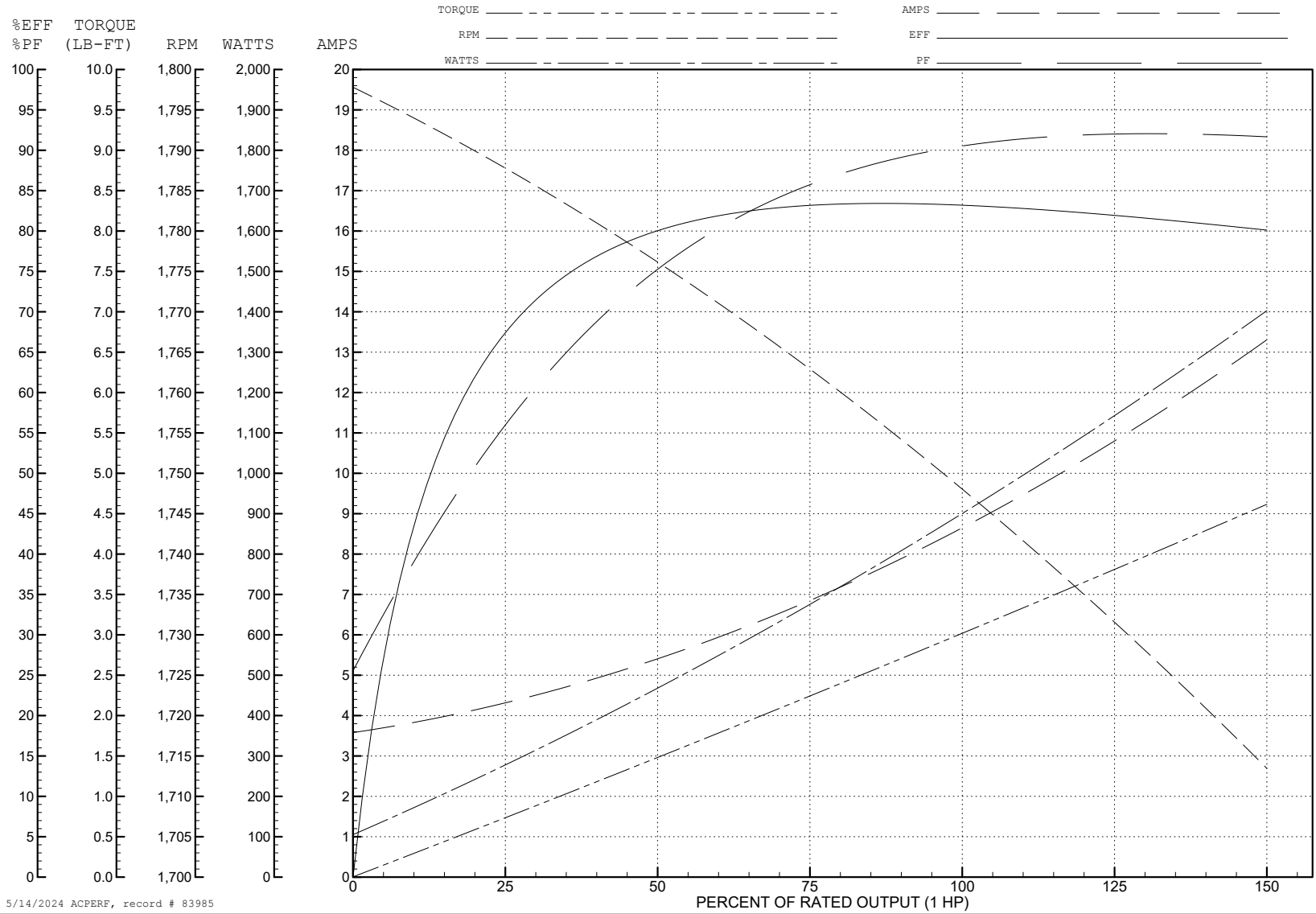
ABB Motors and Mechanical Inc.

WINDING # 35WGG109

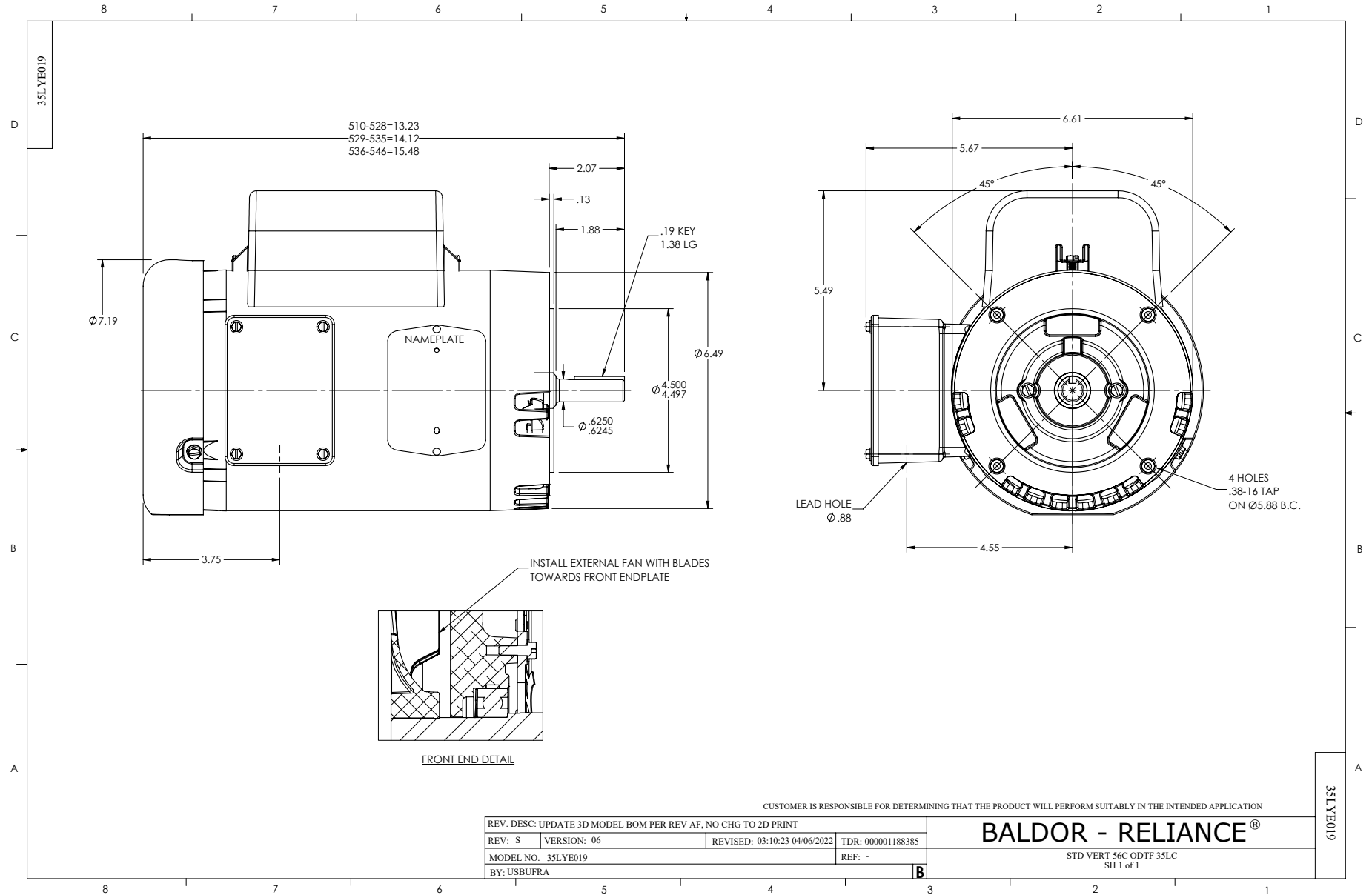
Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1750 RPM 115 V 3528LC

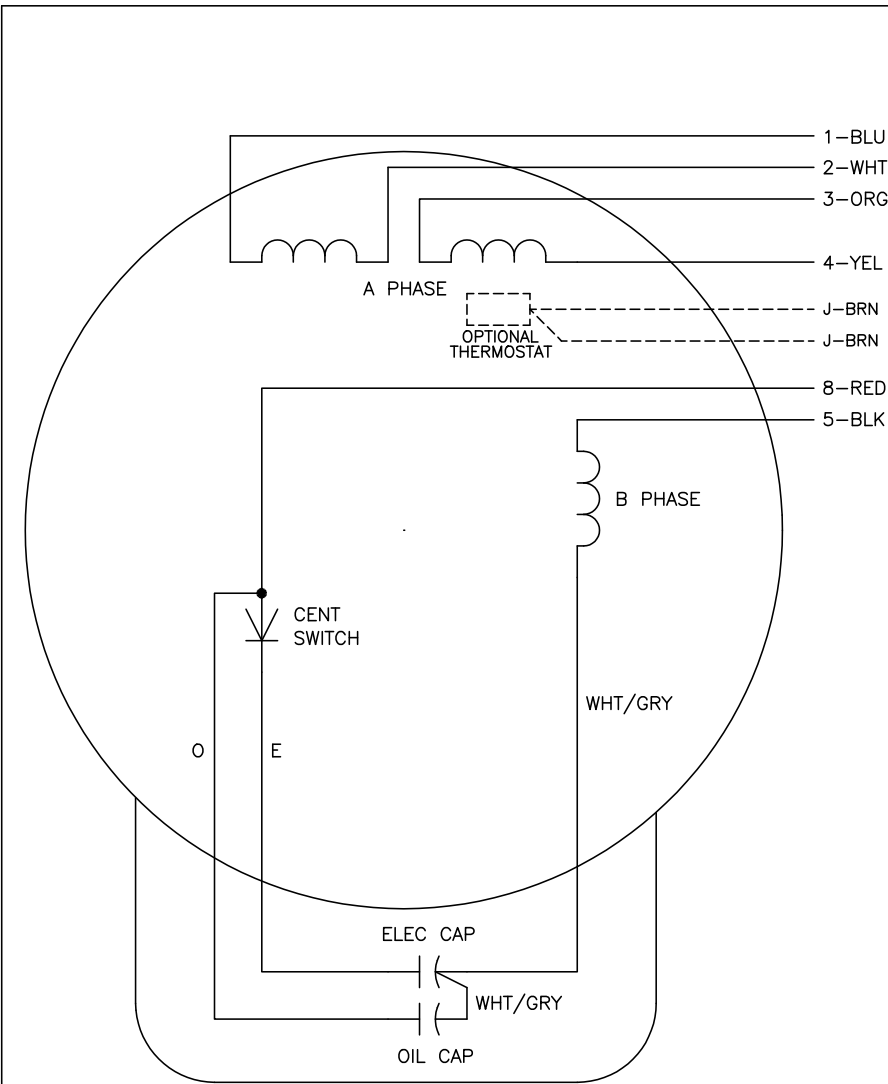
TORQUES (LB-FT): PO=9.32 PU=7.38 LR=13.1 LRA=75.8



5/14/2024 ACPERF, record # 83985



CD0055



	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.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
C00000		FILE: AAA00007414	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS