

BALDOR® • RELIANCE 

Product Information Packet

L1318-50

1HP,1425RPM,1PH,50HZ,56,3528L,OPEN,F1

Part Detail							
Revision:	AP	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WG0662	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	35D011	Layout:	35LYD011	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	08-21-2017	Leads:	6#18		

Specs			
Catalog Number:	L1318-50	Insulation Class:	F
Enclosure:	OPEN	Inverter Code:	Not Inverter
Frame:	56	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.000 HP @ 50 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1500 RPM @ 50 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Voltage @ Frequency:	220.0 V @ 50 HZ	Motor Lead Exit:	Ko Box
	110.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3528L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	71
	WEEE	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
	CE	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	13.000 A @ 110.0 V	Shaft Rotation:	Reversible
	6.500 A @ 220.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	L	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	NONE (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1372L											
CAT.NO.	L1318-50										
SPEC.	35D11-662										
HP	1										
VOLTS	110/220										
AMP	13/6.5										
RPM	1425										
FRAME	56					HZ	50		PH	1	
SER.F.	1.15					CODE	K	DES	L	CL	F
NEMA-NOM-EFF	68					PF	71				
RATING	40C AMB-CONT										
CC									USABLE AT 208V		
DE	6205					ODE	6203				
ENCL	OPEN					SN					
	IP23										

Parts List		
Part Number	Description	Quantity
SA022635	SA 35D11-662	1.000 EA
RA018685	RA 35D11-662	1.000 EA
EC1540A06SP	ELEC CAP, 540-648 MFD, 125V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3209G00	MASTER ODE,203 BRG	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3210B00	MASTER DE,205 BRG,1.000SH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
SP5051A24	MODEL 35 TORQ STATIONARY SWITCH FOR "L"	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 61526 - Typical performance - not guaranteed values

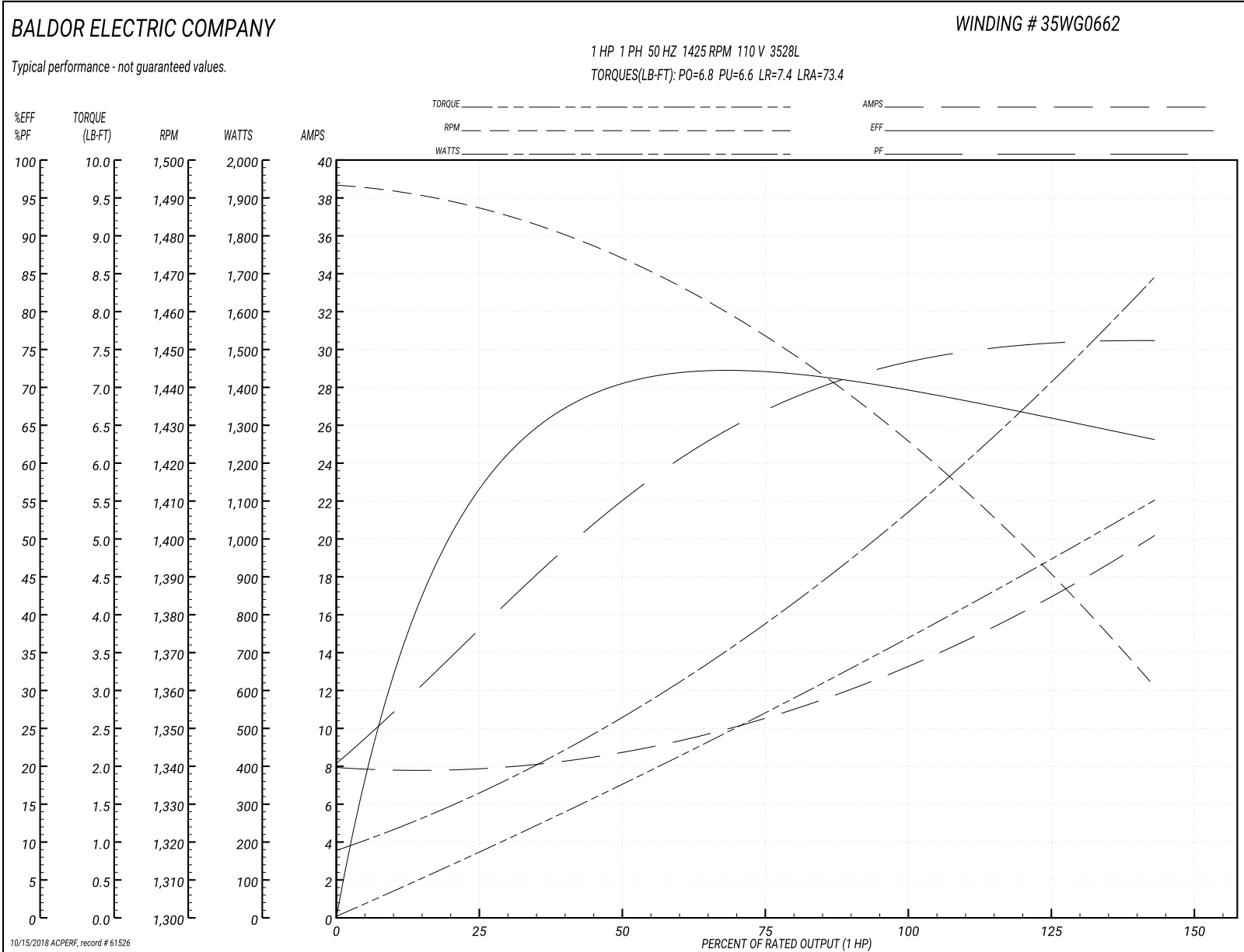
Winding: 35WG0662-R008	Type: 3528L	Enclosure: OPEN
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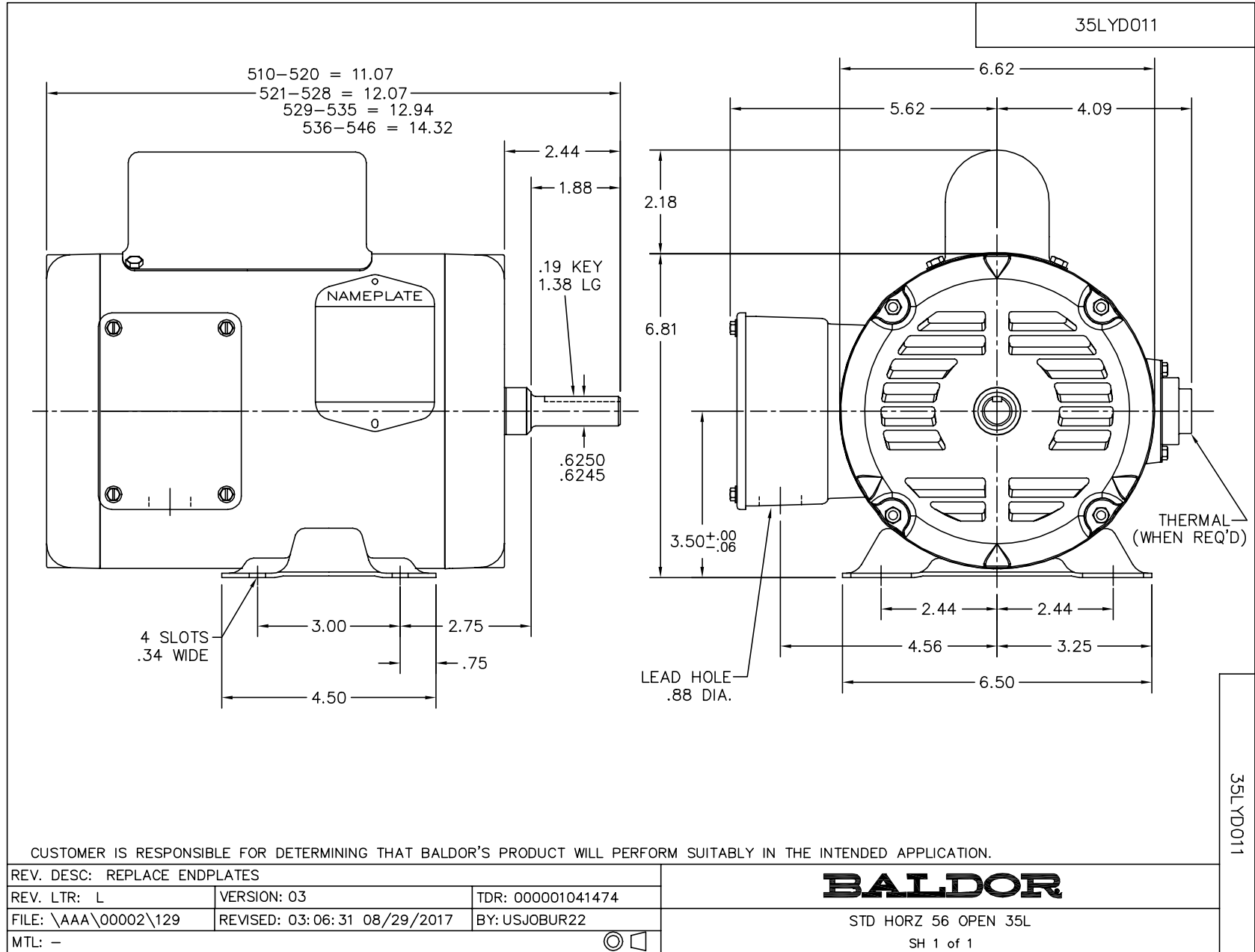
Nameplate Data				110 V, 50 Hz: Low Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3.7 LB-FT
Volts	110/220			Start Configuration	direct on line
Full Load Amps	13/6.5			Breakdown Torque	6.8 LB-FT
R.P.M.	1425			Pull-up Torque	6.6 LB-FT
Hz	50	Phase	1	Locked-rotor Torque	7.4 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	73.4 A
Service Factor (S.F.)	1			No-load Current	7.6 A
NEMA Nom. Eff.	68	Power Factor	71	Line-line Res. @ 25°C	0.776 Ω A Ph 2.33 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	85°C
				Locked-rotor Power Factor	92.1
				Rotor inertia	0.166 LB-FT ²

Load Characteristics 110 V, 50 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	39	56	67	74	77	75
Efficiency	55.2	67.8	71.5	71	68.1	61.8
Speed	1484	1468	1451	1429	1401	1354
Line amperes	8.2	9.2	10.8	13	16	20.8

Performance Graph at 110V, 50Hz, 1.0HP Typical performance - Not guaranteed values





CD0001



	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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

CD0001