

BALDOR® • RELIANCE 

Product Information Packet

RL1310A

1HP,1725RPM,1PH,60HZ,56H,3520L,OPEN,F1,N

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGL468	CD Diagram:	CD0052	Mfg Plant:	
Mech. Spec:	35F391	Layout:	35LYF391	Poles:	04	Created Date:	12-22-2015
Base:	RS	Eff. Date:	11-27-2018	Leads:	6#18,1#14 #1TH		

Specs			
Catalog Number:	RL1310A	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	F
Frame:	56H	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Motor Letter Type:	Cap Start, Induction Run	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Output @ Frequency:	1.000 HP @ 60 HZ	Motor Lead Exit:	Terminal Panel
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Type:	3520L
	230.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	70
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	UR	Pulley End Bearing Type:	Ball
	CSA	Pulley Face Code:	Resilient Mount
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Resilient	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 @ 115.0 V	Shaft Rotation:	Reversible
	6.500 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	N	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
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Terminal Panel	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Automatic Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	EP
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1257L	
CAT.NO.	RL1310A
SPEC.	35F391L468G1
HP	1
VOLTS	115/230
AMP	13/6.5
RPM	1725
FRAME	56H
HZ	60
PH	1
SER.F.	1.15
CODE	F
DES	N
CL	F
NEMA-NOM-EFF	68
PF	70
RATING	40C AMB-CONT
CC	USABLE AT 208V
DE	6203
ODE	6203
ENCL	OPEN
SN	

Parts List		
Part Number	Description	Quantity
SA325714	SA 35F391L468G1	1.000 EA
RA313593	RA 35F391L468G1	1.000 EA
EC4400A03	ELEC CAP 115V 1.8 X 3.3 USE EC1400A03 A	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 EA
LD5000A01	LEAD ASSY, ML1400DF14 7" RING TRM EA END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 EA
HW1003A10	WASHER, #10 EX TH LK, ZN X	2.000 EA
35EP3202A01	STD OPEN FR EP - RESILIENT MTD	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3203A01	STD PU EP, OPEN RESIL MTG	1.000 EA
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	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
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
SP5066A01	35 TERM PANEL SWITCH W/E-BLK, 8-RED	1.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
35BA4002A01	RESILIENT BASE, STAMPED	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

AC Induction Motor Performance Data

Record # 61963

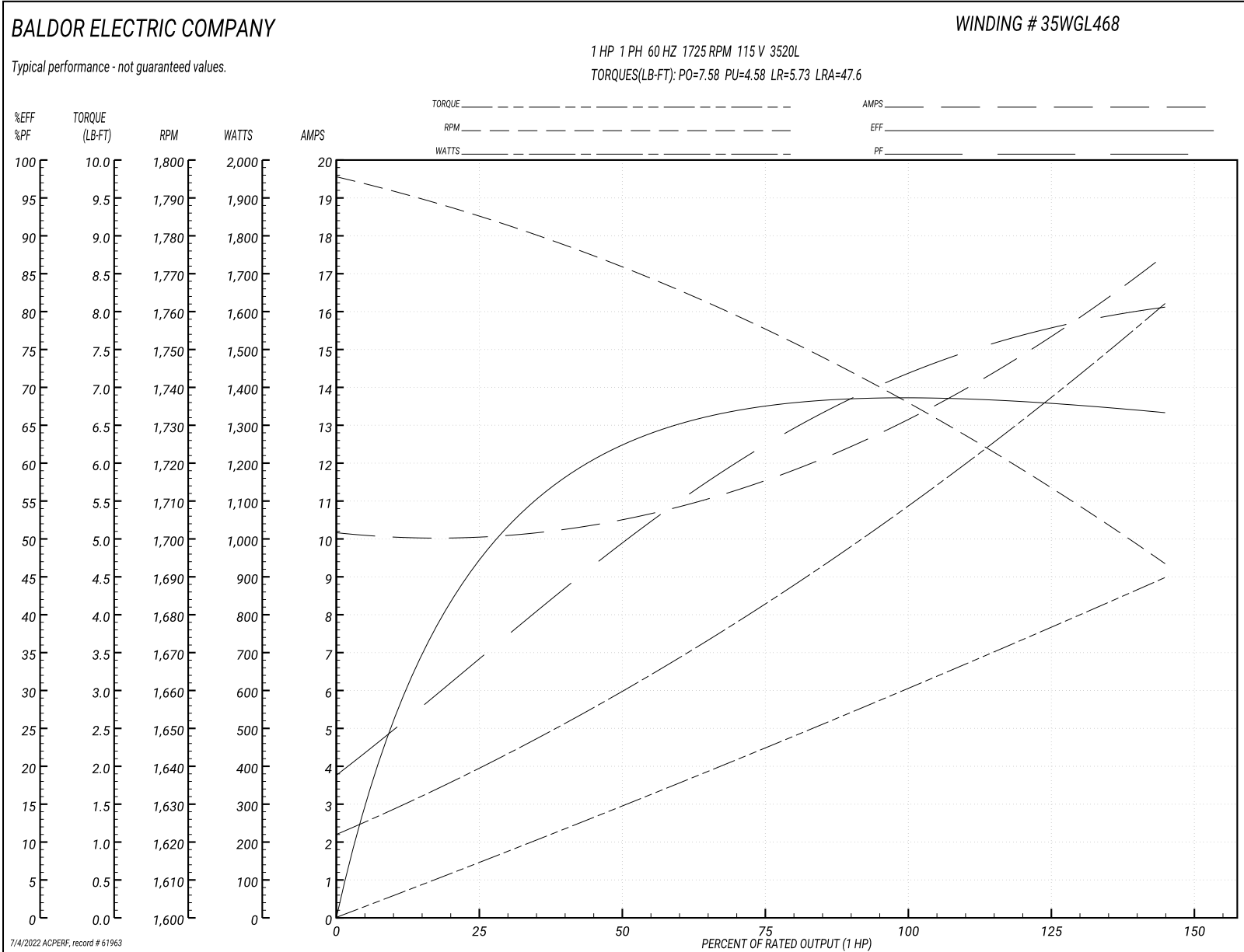
Typical performance - not guaranteed values

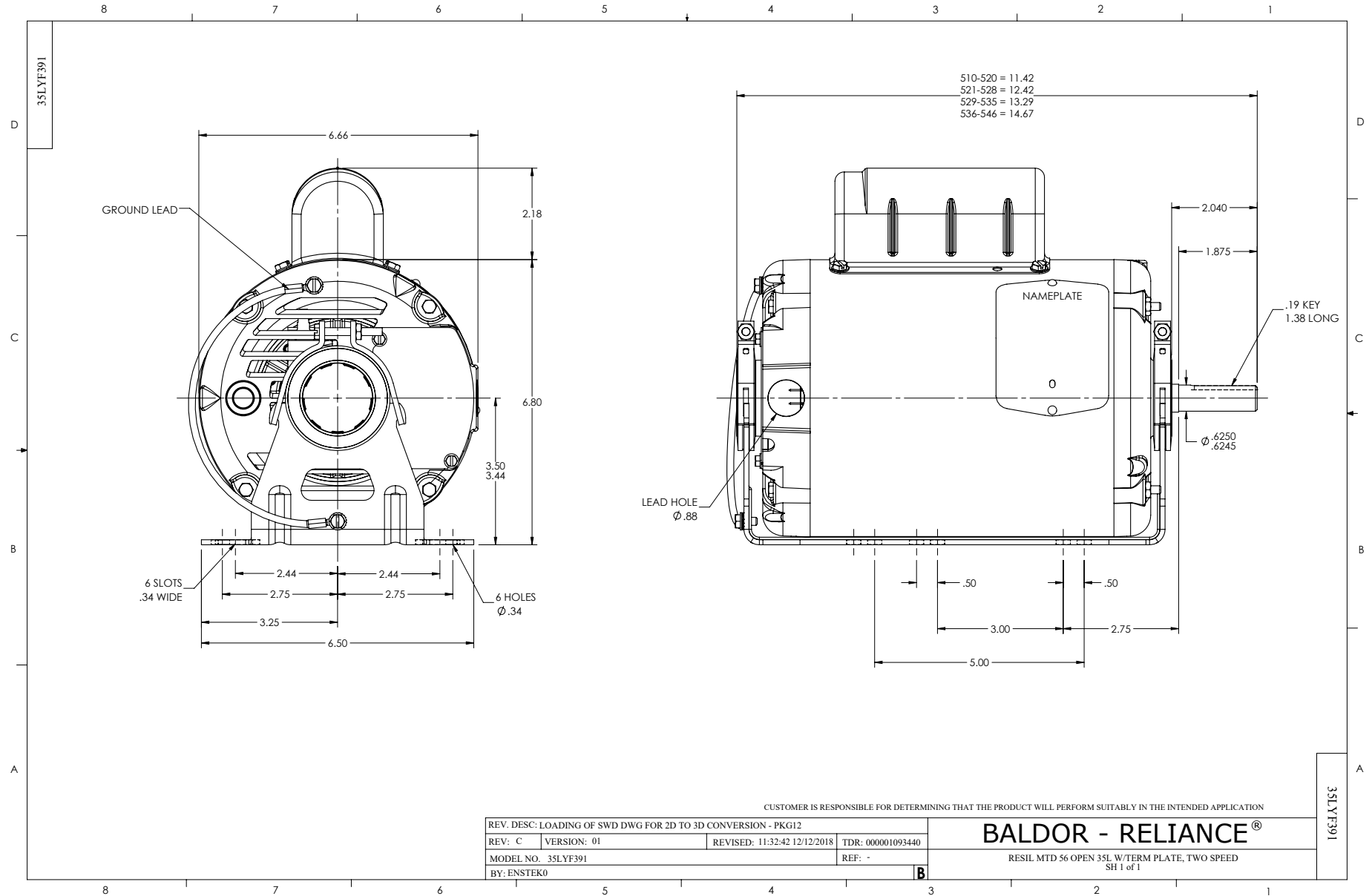
Winding: 35WGL468-R002			Type: 3520L		Enclosure: OPEN	
Nameplate Data				115 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)		1	Full Load Torque	3 LB-FT		
Volts		115/230	Start Configuration	direct on line		
Full Load Amps		13/6.5	Breakdown Torque	7.58 LB-FT		
R.P.M.		1725	Pull-up Torque	4.58 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	5.73 LB-FT		
NEMA Design Code	N KVA Code	F	Starting Current	47.6 A		
Service Factor (S.F.)		1.15	No-load Current	10.1 A		
NEMA Nom. Eff.	68 Power Factor	70	Line-line Res. @ 25°C	0.697 Ω A Ph 1.82 Ω B Ph		
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load	58°C		
S.F. Amps			Temp. Rise @ S.F. Load	66°C		
			Locked-rotor Power Factor	89		
			Rotor inertia	0.119 LB-FT ²		

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	51	62	71	77	81	75
Efficiency	46.5	61.2	67.3	69.7	68.6	66.1	69
Speed	1782	1770	1755	1739	1718	1691	1726
Line amperes	10.1	10.6	11.6	13	15	17.6	14.2

Performance Graph at 115V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0052

