

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **CHC545A**

**1HP,1725RPM,1PH,60HZ,56,3528C,TEAO,F1,N**

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528C	Elec. Spec:	35WGR924	CD Diagram:	CD0381
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35E3460	Layout:	35LYE3460
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	03-14-2016
Base:	RS	Rotation:	R	Insulation:	B	Eff. Date:	03-21-2016
Leads:	6#18,1#14 #1TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L	
CAT.NO.	CHC545A
SPEC.	35E3460R924G1
HP	1
VOLTS	115/230
AMP	10.6/5.3
RPM	1725
FRAME	56
	HZ 60
	PH 1
SER.F.	1.00
	CODE H
	DES -
	CL B
NEMA-NOM-EFF	72
	PF 81
RATING	40C AMB-CONT
CC	USABLE AT 208V
DE	6203
	ODE 6203
ENCL	TEAO
	SN

Parts List		
Part Number	Description	Quantity
SA317049	SA 35E3460R924G1	1.000 EA
RA304644	RA 35E3460R924G1	1.000 EA
OC3050C09	CYL OIL CAP 50MFD/240V	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
53XT0832G07	8-32X7/16 PN STD SR TY23G X	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
35EP3102A01SP	FR ENDPLATE, MACH	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
HA6005A01	CLAMP, BASE	2.000 EA
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1101A01	PU ENPLATE, MACH	1.000 EA
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
35GS1002	GASKET,1/16 THICK LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 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 (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
SP5078	MODEL 35 TERMINAL PANEL HARDWARE ONLY, N	1.000 EA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
35BA4002B01	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
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 55965 - Typical performance - not guaranteed values

<b>Winding:</b> 35WGR924-R002	<b>Type:</b> 3528C	<b>Enclosure:</b> TEAO
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	10.6/5.3			Breakdown Torque	9.3 LB-FT
R.P.M.	1725			Pull-up Torque	0.5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	1.44 LB-FT
NEMA Design Code	-	KVA Code	H	Starting Current	28.6 A
Service Factor (S.F.)	1			No-load Current	3.24 A
NEMA Nom. Eff.	72	Power Factor	81	Line-line Res. @ 25°C	2.23 Ω A Ph 1.8 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	49	64	74	81	85	88
Efficiency	50.3	66.2	72.8	75.2	75.4	73.5
Speed	1781	1767	1750	1731	1710	1679
Line amperes	3.43	3.86	4.5	5.3	6.2	7.5

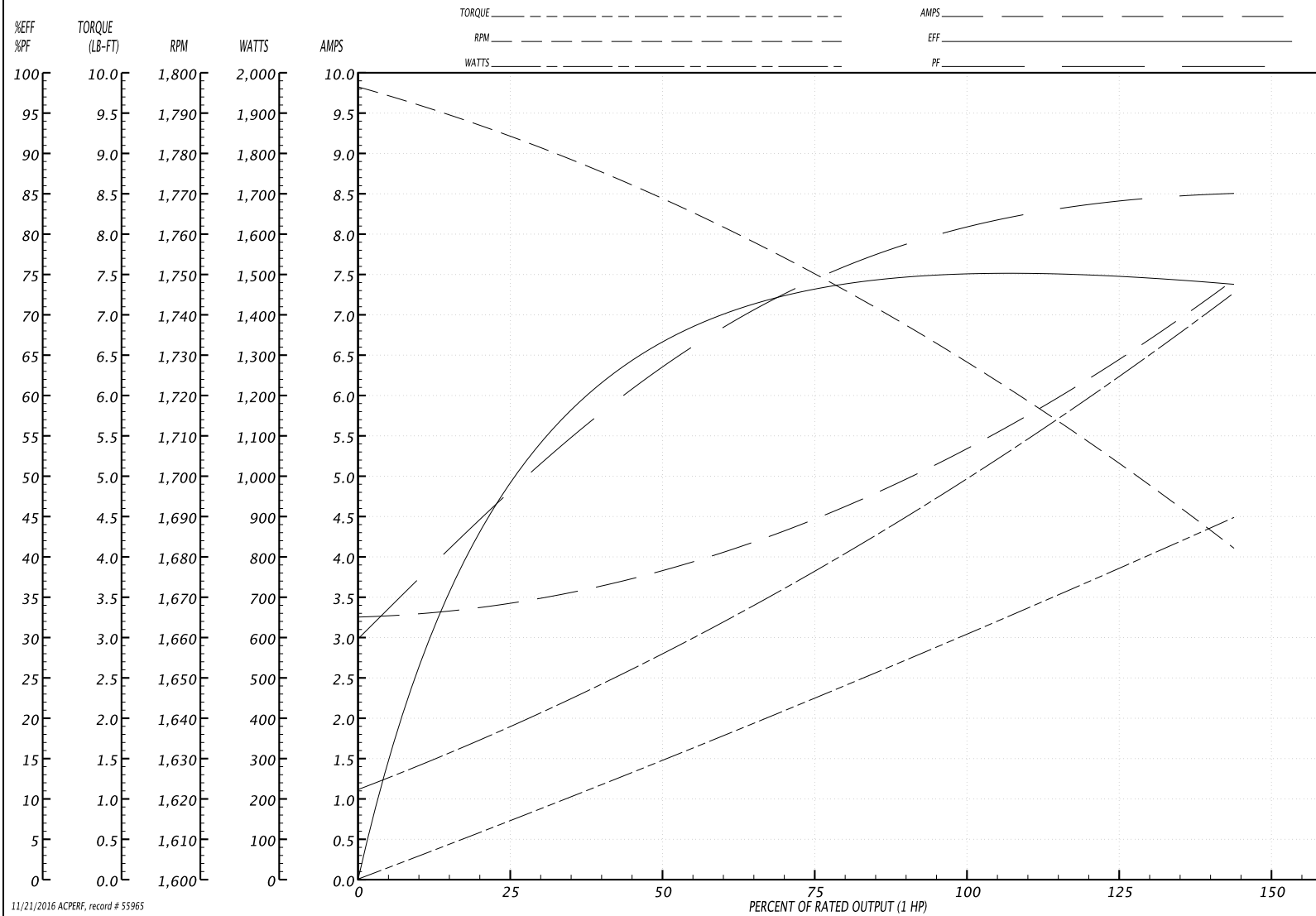
Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values

**BALDOR ELECTRIC COMPANY**

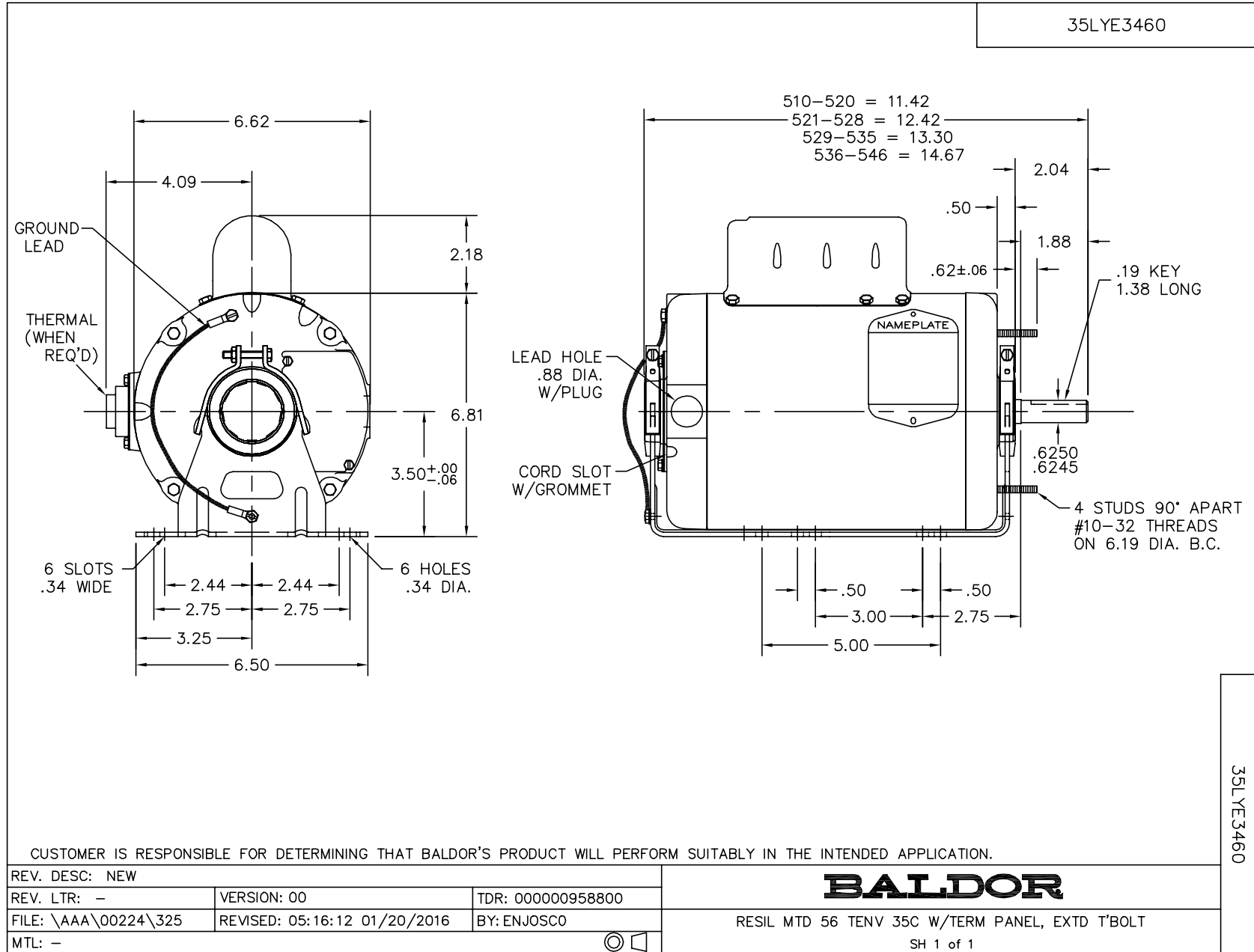
WINDING # 35WGR924

Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1725 RPM 230 V 3528C  
 TORQUES(LB-FT): PO=9.3 PU=0.5 LR=1.44 LRA=28.6



11/21/2016 ACPERF, record # 55965



CD0381

