

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **CHC3525A**

**.5 AIR OVERHP, 1100RPM, 1PH, 60HZ, 56Z, 3528C**

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Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528C	Elec. Spec:	35WGN460	CD Diagram:	
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35H317	Layout:	
Frame:	56Z	Mounting:	F1	Poles:	06	Created Date:	03-29-2012
Base:	RS	Rotation:	RS	Insulation:	B	Eff. Date:	09-04-2012
Leads:	7#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1280L							
CAT.NO.	CHC3525A						
SPEC.	35H317N460G1						
HP	.5 AIR OVER						
VOLTS	115/230						
AMP	5.2/2.6						
RPM	1100						
FRAME	56Z	HZ	60	PH	1		
SER.F.	1.00	CODE	C	DES	-	CL	B
NEMA-NOM-EFF	70	PF	92				
RATING	40C AMB-CONT						
CC	USABLE AT 208V						
DE	6203	ODE	6203				
ENCL	TEAO	SN					

Parts List		
Part Number	Description	Quantity
SA241736	SA 35H317N460G1	1.000 EA
RA228655	RA 35H317N460G1	1.000 EA
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
RM1001A01	GROMMET (MIDSTATES#541000)	1.000 EA
53XT0832G07	8-32X7/16 PN STD SR TY23G X	1.000 EA
LD5000A01	LEAD ASSY, ML1400DF14 W/(2) #10 RING 7"	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
RM1000A02SP	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 W/AUTOPHORET	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
RM1000A02SP	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

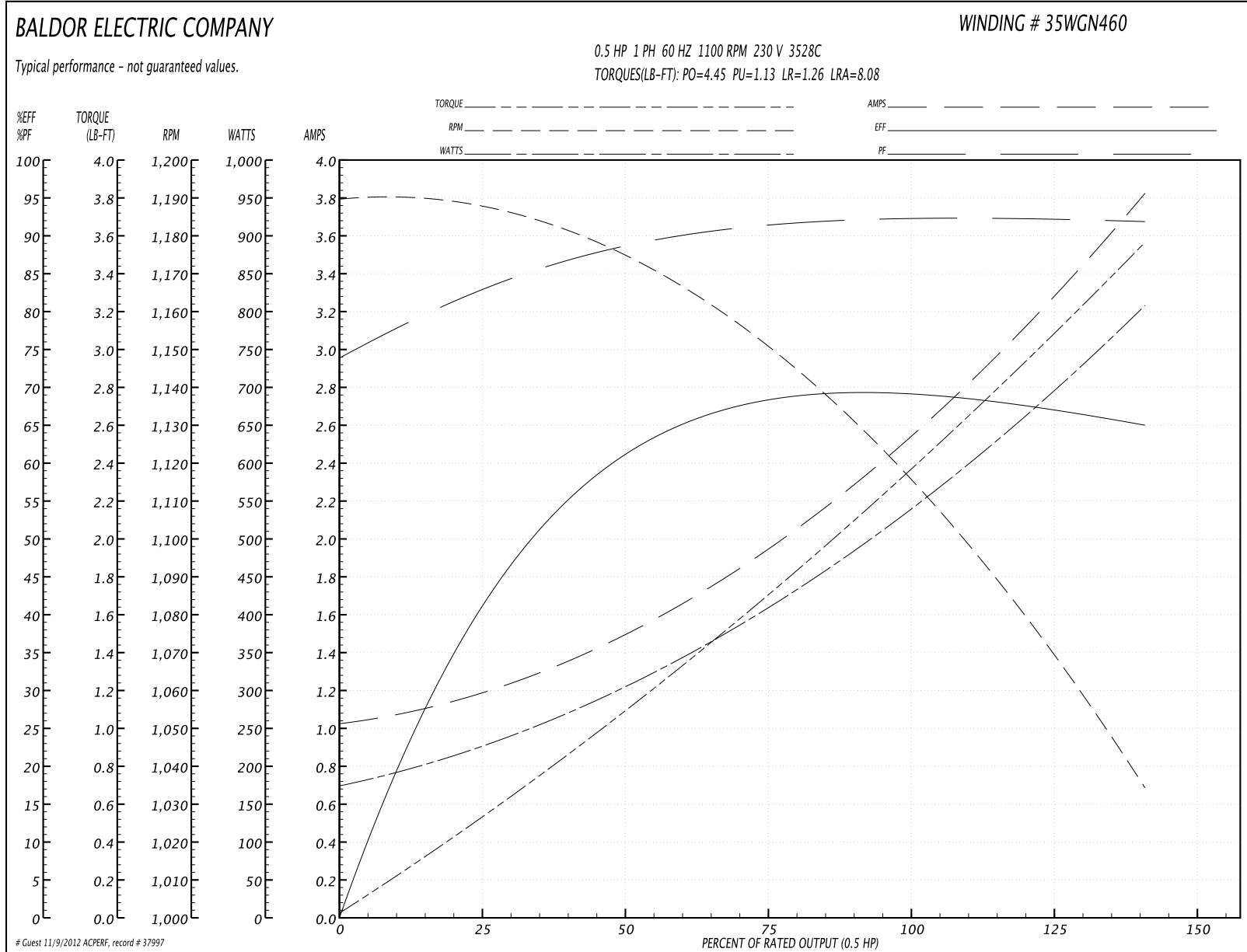
Parts List (continued)		
Part Number	Description	Quantity
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
35GS1002	GASKET,1/16 THICK LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13SP	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
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025C02	PAINT, 787.105 LITE TAN EPOXY (USE W/MG1	0.017 GA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
SP5078A02	MODEL 35 TERMINAL PANEL, NO SWITCH, W/ L	1.000 EA
35BA4002B01	RESILIENT BASE, STAMPED	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
35PA1067	PACK GROUP COMBINED PRINT WITH OSB BASE	1.000 EA

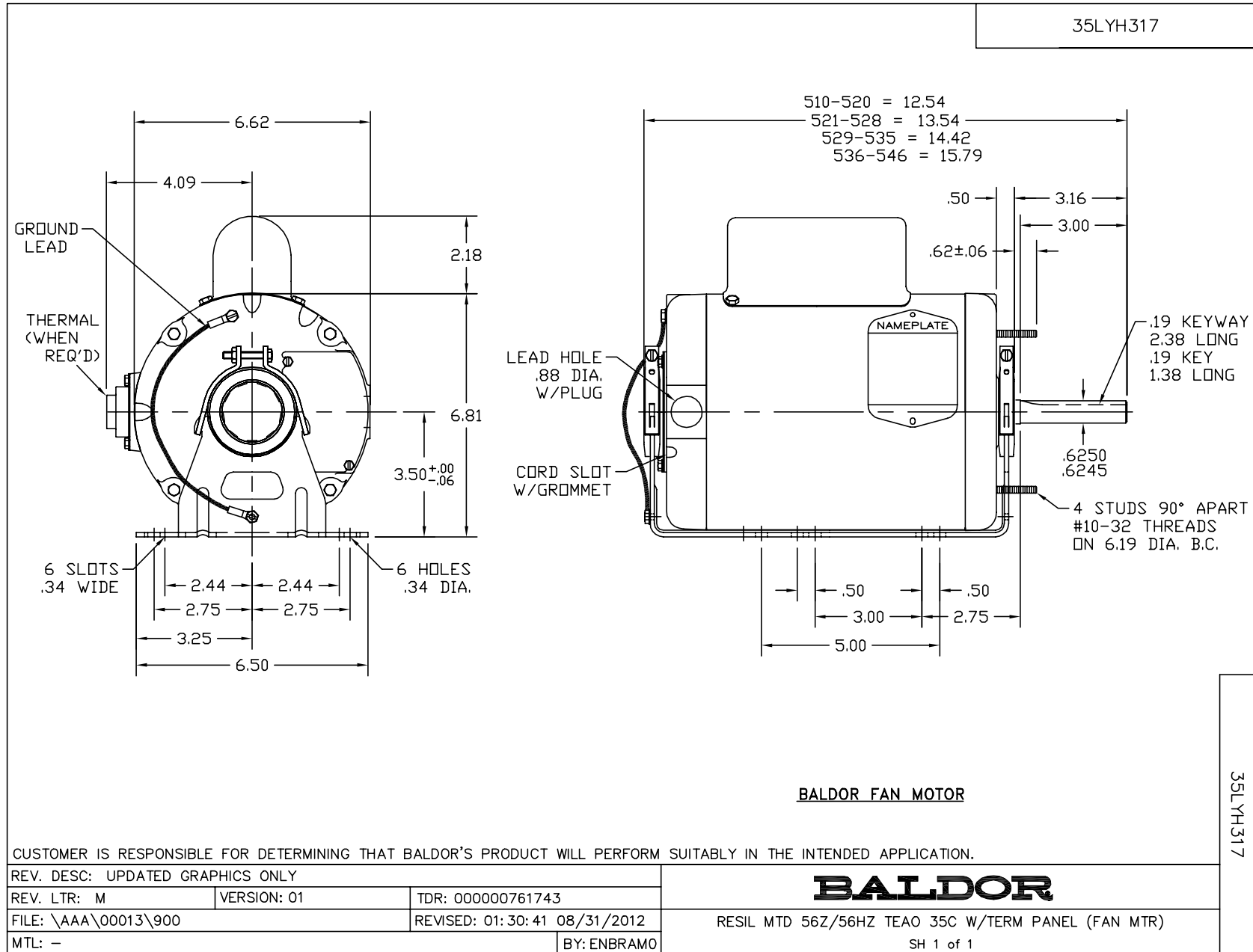
**Performance Data at 230V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)**

General Characteristics			
Full Load Torque:	2.4 LB-FT	Start Configuration:	DOL
No-Load Current:	0.969 Amps	Break-Down Torque:	4.45 LB-FT
Line-line Res. @ 25°C.:	8.6061 Ohms A Ph / 3.8119 Ohms B Ph	Pull-Up Torque:	1.13 LB-FT
Temp. Rise @ Rated Load:	49 C	Locked-Rotor Torque:	1.26 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	8.08 Amps

Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	84.0	89.0	91.0	92.0	92.0	92.0	0.0
Efficiency:	40.5	59.5	68.5	71.1	70.3	63.0	0.0
Speed:	1182.5	1166.0	1146.1	1118.8	1086.5	1024.5	0.0
Line Amperes:	1.25	1.61	2.03	2.54	3.04	3.94	0.0

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





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