

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **L1313-50**

**1.5HP,2850RPM,1PH,50HZ,56,3528L,OPEN,F1**

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Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528L	Elec. Spec:	35WGY961	CD Diagram:	
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35T947	Layout:	
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-05-2012
Leads:	4#16 A PH,2#18 B PH	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1372L							
CAT.NO.	L1313-50						
SPEC.	35T947Y961G1						
HP	1.5						
VOLTS	110/220						
AMP	18.4/9.2						
RPM	2850						
FRAME	56	HZ	50	PH	1		
SER.F.	1.15	CODE	J	DES	L	CL	B
NEMA-NOM-EFF	68	PF	86				
RATING	40C AMB-CONT						
CC	USABLE AT 208V						
DE	6205	ODE	6203				
ENCL	OPEN	SN					
	IP44						

Parts List		
Part Number	Description	Quantity
SA109232	SA 35T947Y961G1	1.000 EA
RA100727	RA 35T947Y961G1	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 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
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A02	STD PU ENDPLATE-OPEN-205 BRG	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
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
SP1006A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.017 GA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	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	PACKING GROUP COMBINED PRINT	1.000 EA

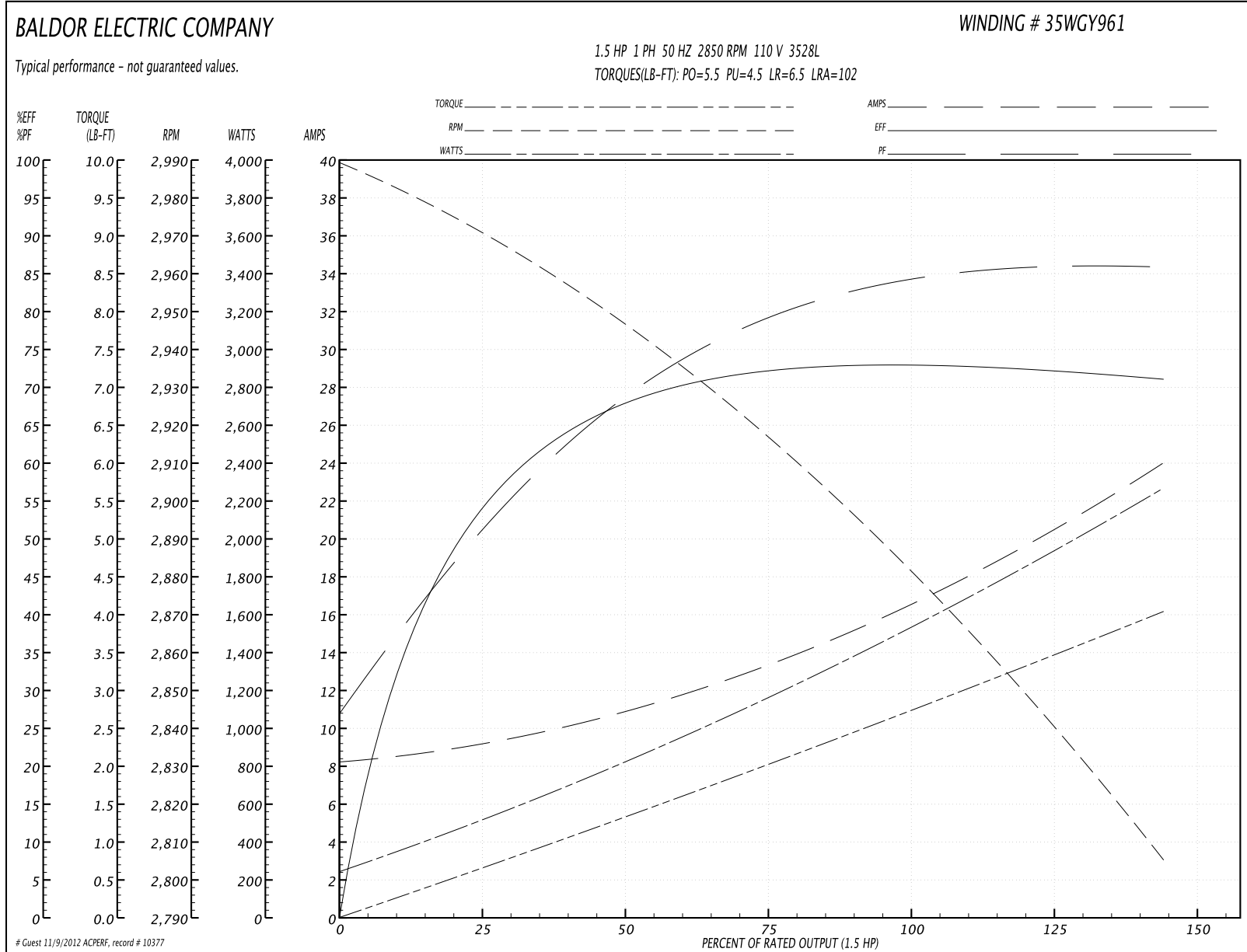
Accessories		
Part Number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

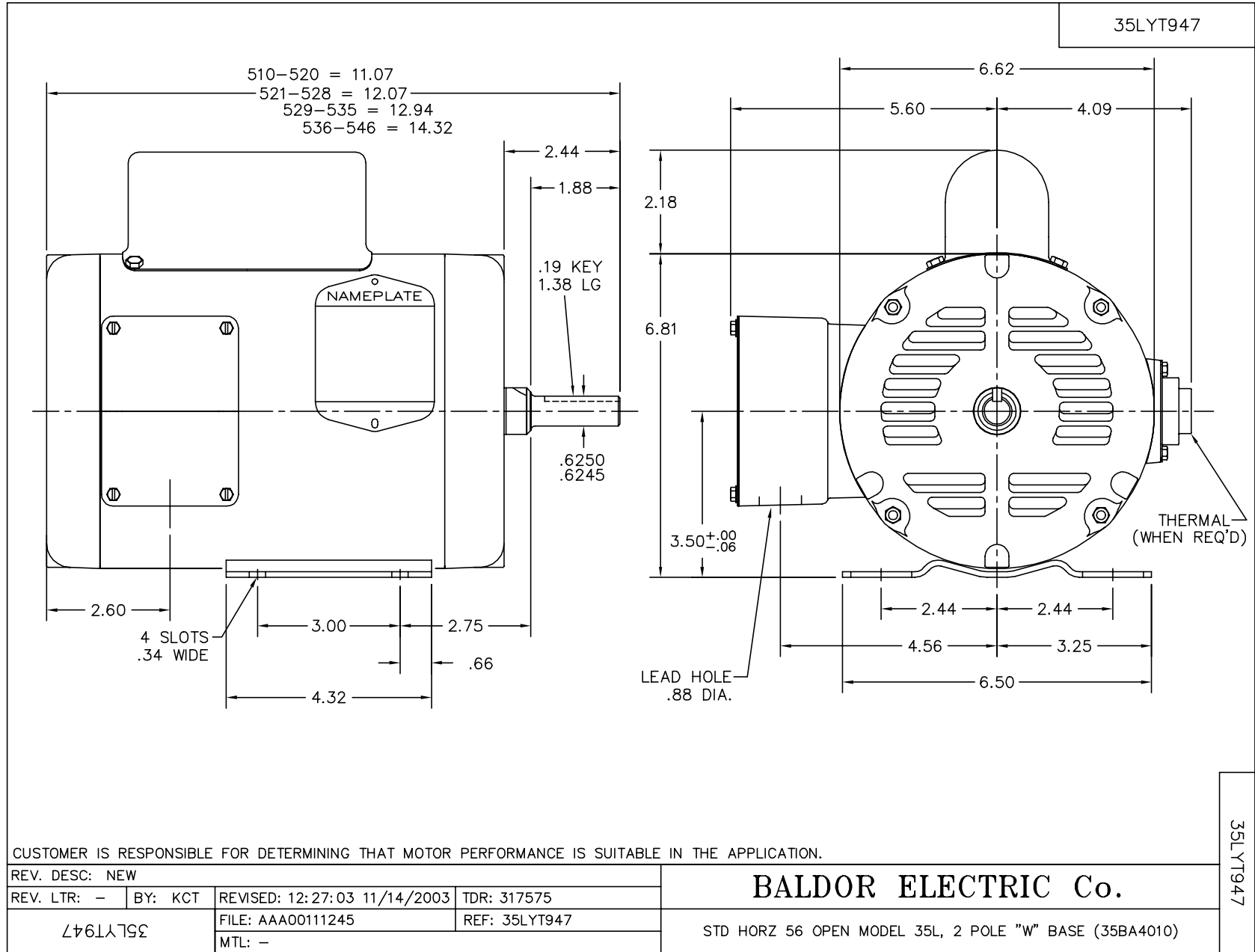
**Performance Data at 110V, 50Hz, 1.5HP (Typical performance - Not guaranteed values)**

General Characteristics			
Full Load Torque:	2.7 LB-FT	Start Configuration:	DOL
No-Load Current:	8.2 Amps	Break-Down Torque:	5.5 LB-FT
Line-line Res. @ 25°C.:	0.357 Ohms A Ph / 2.03 Ohms B Ph	Pull-Up Torque:	4.5 LB-FT
Temp. Rise @ Rated Load:	63 C	Locked-Rotor Torque:	6.5 LB-FT
Temp. Rise @ S.F. Load:	79 C	Starting Current:	102.0 Amps

Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	52.0	69.0	79.0	85.0	88.0	90.0	0.0
Efficiency:	53.6	67.3	72.1	73.4	72.8	70.7	0.0
Speed:	2969.0	2944.0	2917.0	2885.0	2848.0	2803.0	0.0
Line Amperes:	9.2	11.0	13.4	16.3	19.9	24.1	18.5

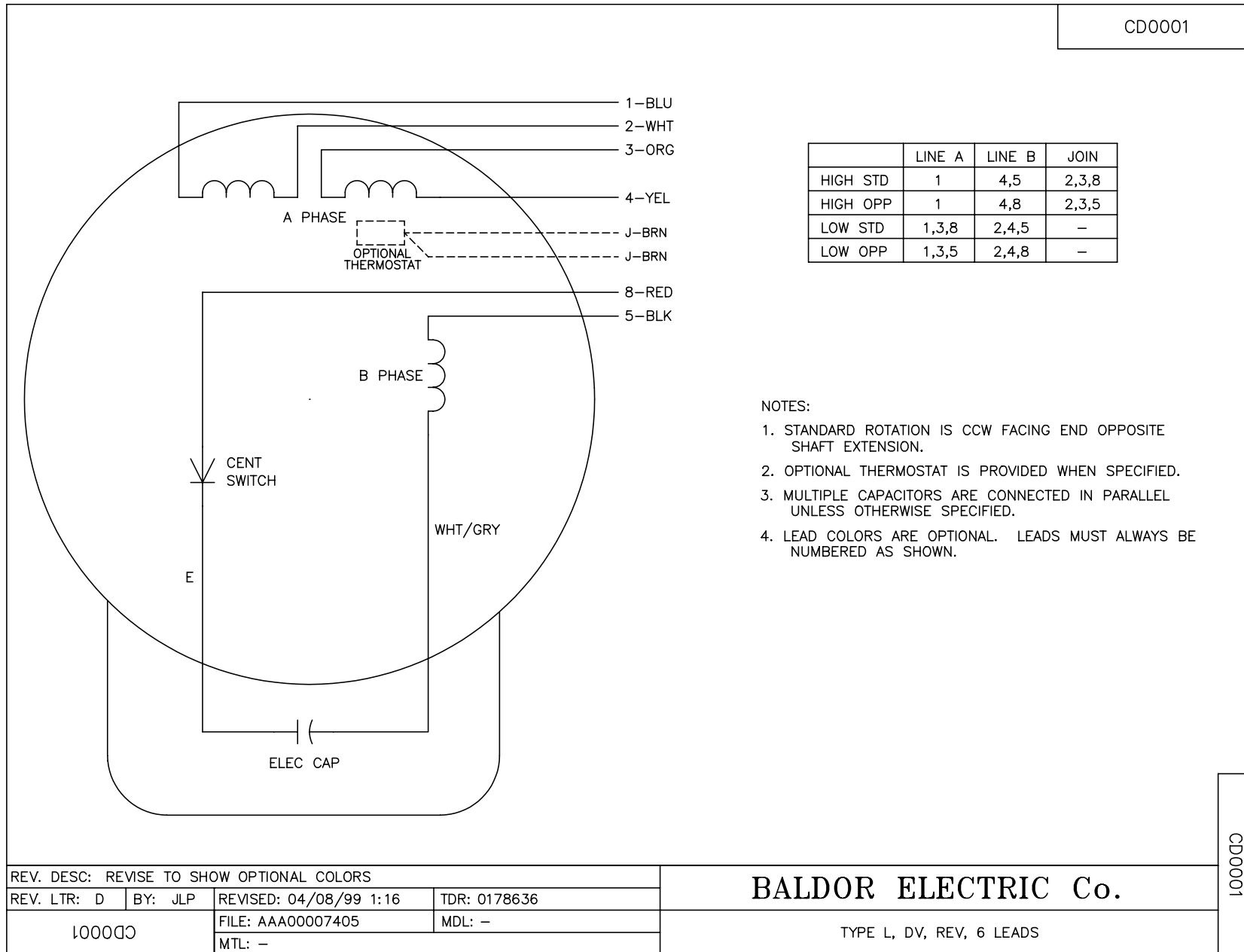
Performance Graph at 110V, 50Hz, 1.5HP Typical performance - Not guaranteed values







CD0001



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