

BALDOR® • RELIANCE 

Product Information Packet

VL1310

1HP,1725RPM,1PH,60HZ,56C,3520L,ODTF,F1

Part Detail							
Revision:	AP	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGY168	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	35D015	Layout:	35LYD015	Poles:	04	Created Date:	
Base:	N	Eff. Date:	01-21-2015	Leads:	4#16 A PH,2#18 B PH		

Specs			
Catalog Number:	VL1310	Inverter Code:	Not Inverter
Enclosure:	ODP	KVA Code:	K
Frame:	56C	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	1.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 16 AWG, A PH
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3520L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	72
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	No Mounting	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	13.400 A @ 115.0 V	Shaft Extension Location:	Pulley End
	6.700 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	7.400 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	N	Shaft Slinger Indicator:	No Slinger
Drip Cover:	Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Drip Cover Mounting	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	B	Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.	VL1310									
SPEC.	35D15Y168									
HP	1									
VOLTS	115/230									
AMP	13.4/6.7									
RPM	1725									
FRAME	56C				HZ	60			PH	1
SER.F.	1.15		CODE	K	DES	N		CLASS	B	
NEMA-NOM-EFF	66		PF	72						
RATING	40C AMB-CONT									
CC								USABLE AT 208V	7.4	
DE	6205				ODE	6203				
ENCL	ODTF		SN							

Parts List		
Part Number	Description	Quantity
SA022667	SA 35D15Y168	1.000 EA
RA018717	RA 35D15Y168	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
35EP3209D00	SPL FR EP-OPEN-35L OR M -203 BRG-W/DRIP	1.000 EA
SP1006A01	INSULATOR MODEL 35 SWITCH	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
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3402C00	STD FACE MTD END PLATE OPEN NEMA 56C 05	1.000 EA
35AD2000	AIR BAFFLE - GALVANNEAL	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4006A01SP	DRIP COVER,STAMPED,W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 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

Parts List (continued)		
Part Number	Description	Quantity
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) 16-14AWG	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 1/21	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 10155

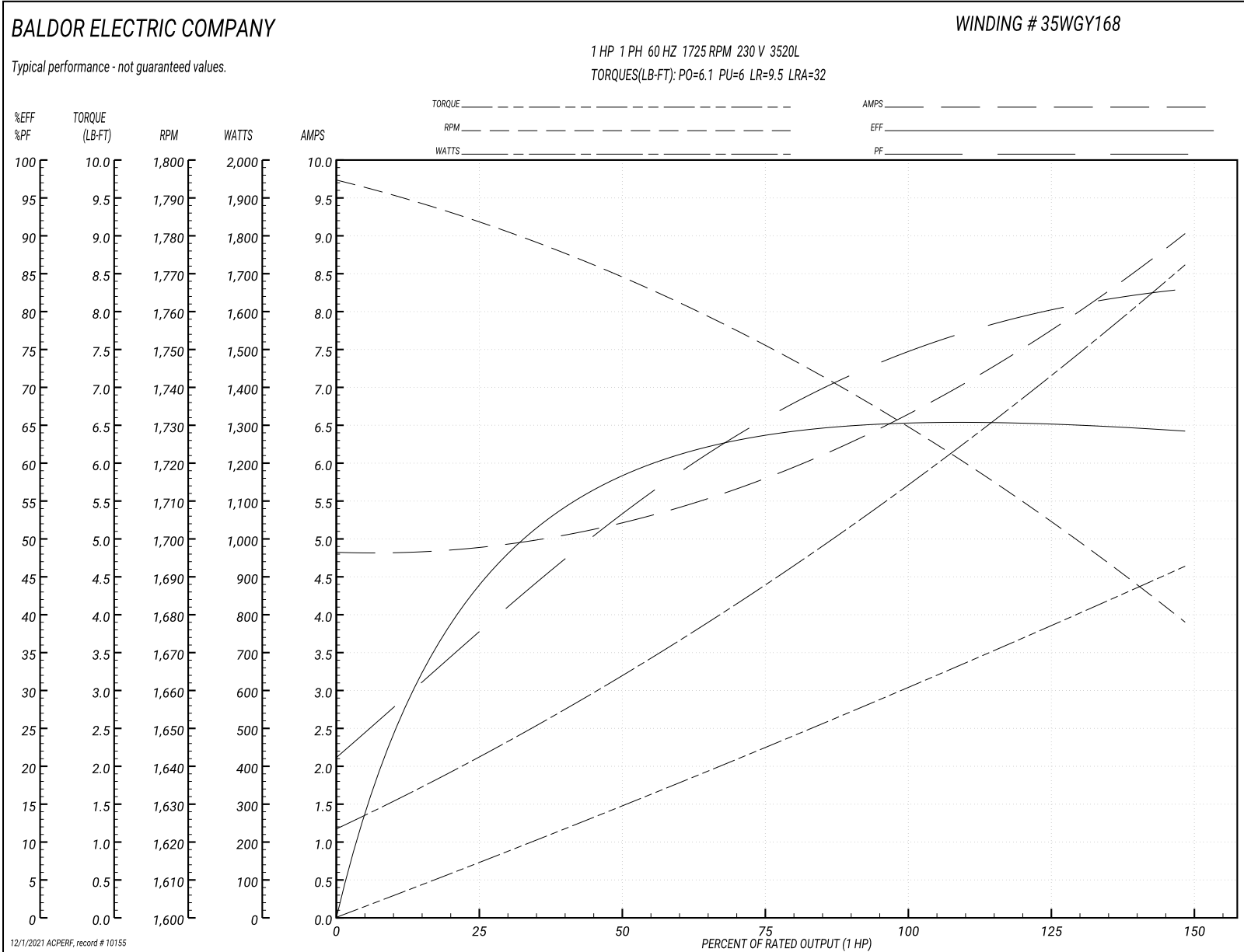
Typical performance - not guaranteed values

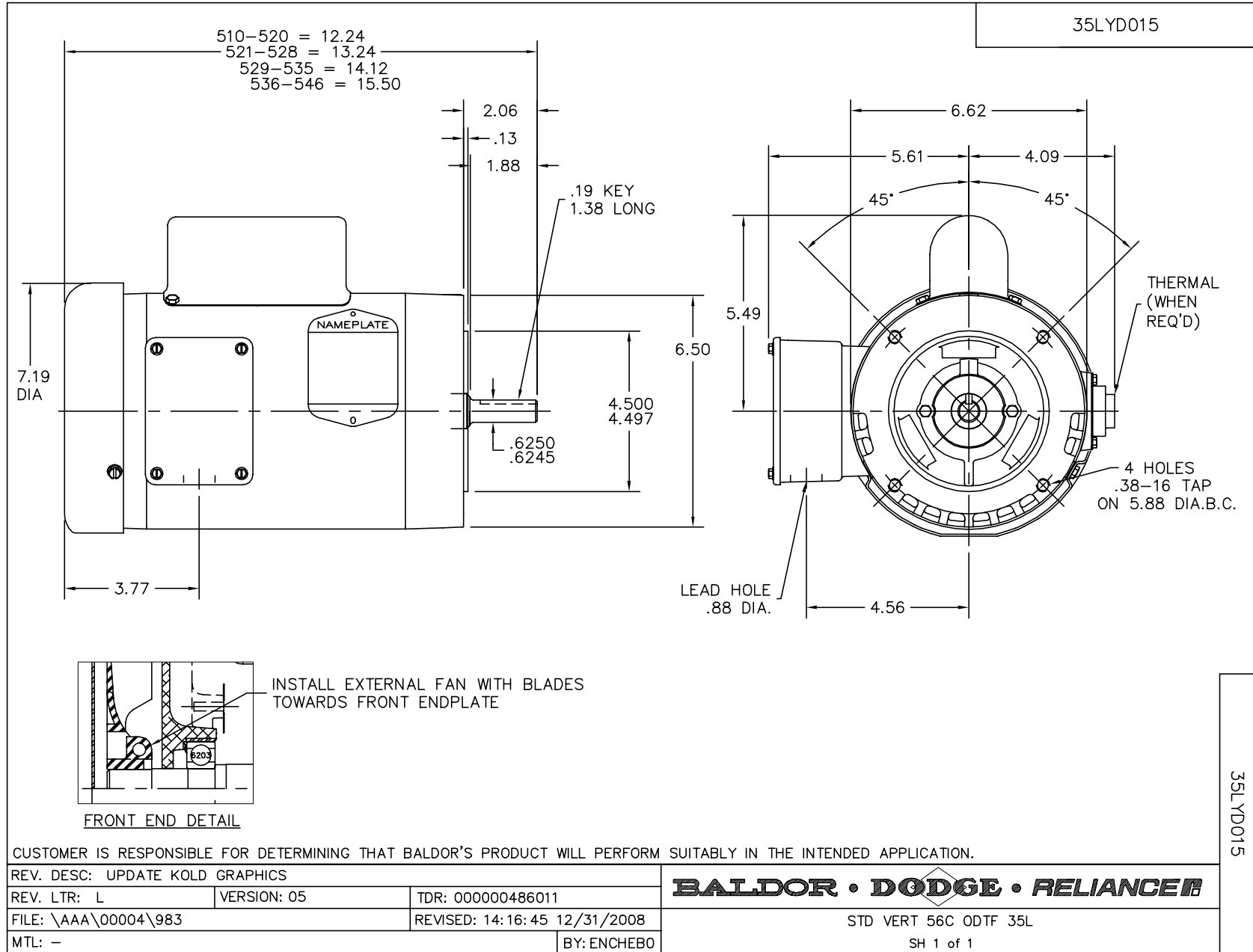
Winding: 35WGY168-R001		Type: 3520L		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		1	Full Load Torque		3.1 LB-FT
Volts		115/230	Start Configuration		direct on line
Full Load Amps		13.4/6.7	Breakdown Torque		6.1 LB-FT
R.P.M.		1725	Pull-up Torque		6 LB-FT
Hz	60 Phase	1	Locked-rotor Torque		9.5 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	32 A
Service Factor (S.F.)		1.15	No-load Current		4.8 A
NEMA Nom. Eff.	66	Power Factor	72	Line-line Res. @ 25°C	3.09 Ω A Ph 1.9 Ω B Ph
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		56°C
S.F. Amps			Temp. Rise @ S.F. Load		64°C

Load Characteristics 230 V, 60 Hz, 1 HP

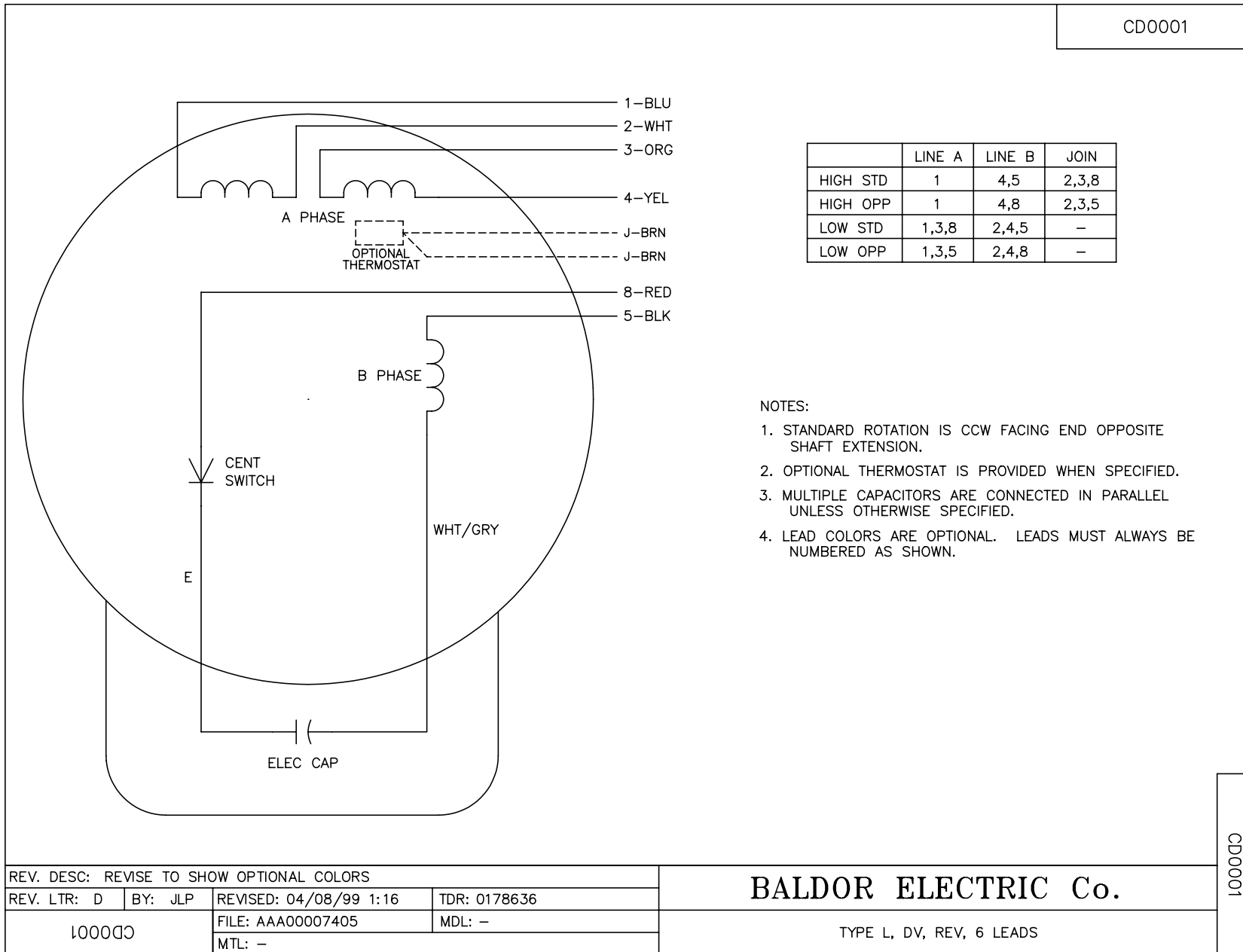
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	52	64	72	79	83	76
Efficiency	43.4	58.2	64	66	65.8	63.7	65.9
Speed	1782	1766	1749	1729	1706	1676	1715
Line amperes	4.9	5.3	5.9	6.7	7.7	9.1	7.3

Performance Graph at 230V, 60Hz, 1.0HP 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