



BALDOR® • *RELIANCE*

Product Information Packet

PL3515M

2HP,3450RPM,1PH,60HZ,56,3524LC,TEFC,F1

Product Detail										
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No			
Type:	AC	Prod Type:	3524LC	Elec. Spec:	35WGY691	CD Diagram:	CD0320			
Enclosure	TEFC	Mfg Plant:		Mech Spec:	35T962	Layout:	35LYT962			
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	06-22-2007			
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-08-2008			
Leads:	4#16,2#18,1#14	Literature:		Elec. Diagram:		Replaced By:				
Nameplate NP1257L										
CAT.NO.	PL3515M									
SPEC.	35T962Y691									
HP	2									
VOLTS	115/230									
AMP	17.6/8.8									
RPM	3450									
FRAME	56	HZ				60	PH	1		
SER.F.	1.15	CODE				F	DES	L	CL	F
NEMA-NOM-EFF	77	PF				95				
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6205	ODE				6203				
ENCL	TEFC	SN								

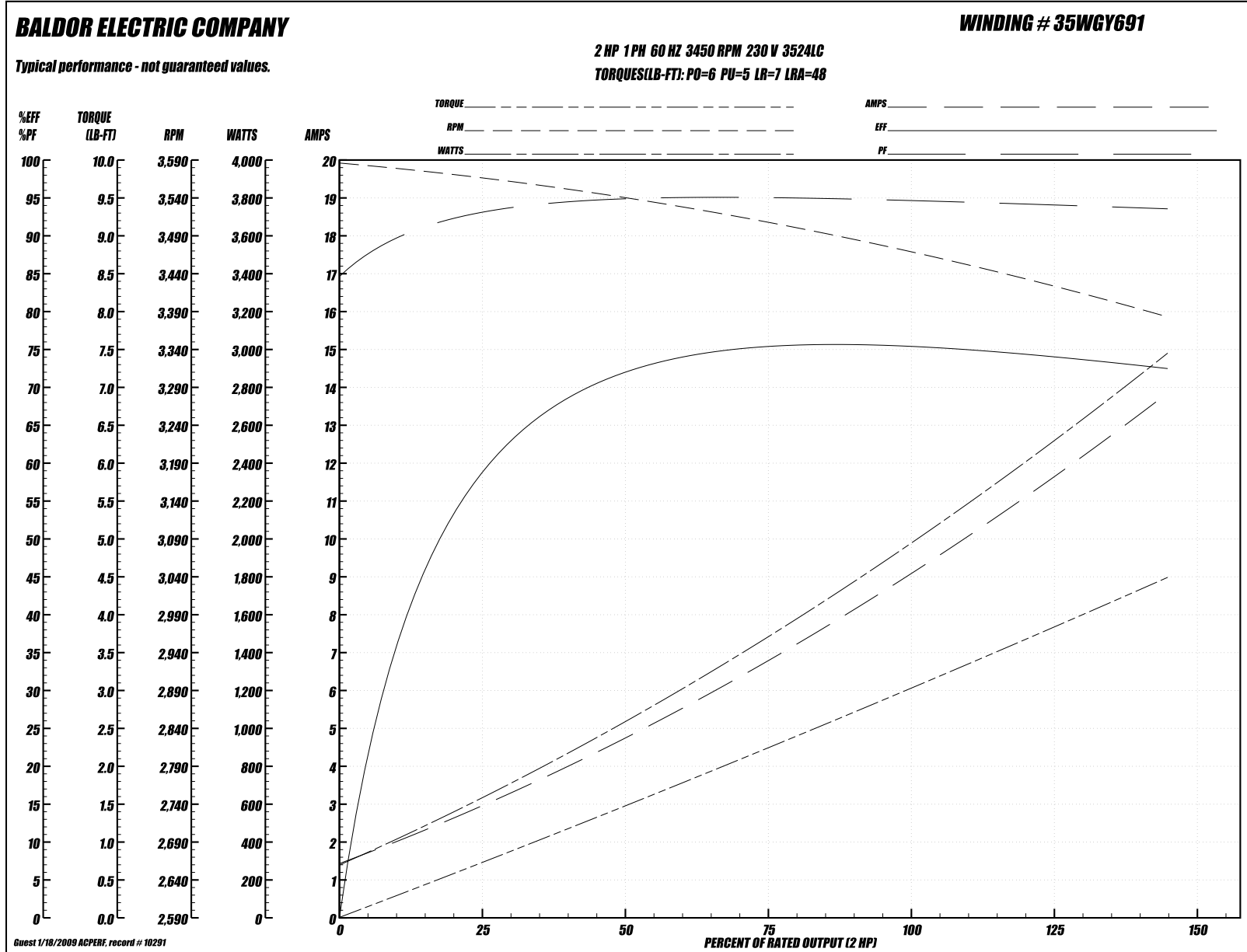
Parts List			
Product ID	Description	Quantity	List Price
SA111047	SA 35T962Y691	1.000	387.00
RA102426	RA 35T962Y691	1.000	323.00
OC3060C09	CYL OIL CAP 60MFD/240V	1.000	29.00
TPCRT51CB	THERMAL 1PH 1.00 MAN 120CWELDED	1.000	27.00
EC1400A03SP	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000	28.00
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000	23.00
TP5059	GENERIC THERMAL KIT	1.000	6.00
NS2512A01	INSULATOR, CONDUIT BOX X X	1.000	3.00
35CB3007A17	35 CB .88 DIA @ 6:00, 1.00 MTO @ 3:00	1.000	21.00
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000	6.00
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000	3.00
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000	4.00
NS2500A02	INSULATOR, MAN THER PROT	1.000	3.00
35EP3100M02	FREP TEFC 203 BRG W/O GR SR (RAISED FH MT	1.000	34.00
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000	3.00
35CB3801SP	CAPACITOR COVER, CAST	1.000	27.00
HA7010	CAPACITOR RETENTION CLAMP	1.000	3.00
34GS3002	GASKET, CAPACITOR BOX	1.000	3.00
NS2501A02	INSULATOR, CAPACITOR BOX	1.000	3.00
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000	3.00
HW5100A03SP	WAVY WASHER (W1543-017)	1.000	3.00
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000	83.00
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000	3.00
35FN3002A05SP	EXTERNAL FAN, PLASTIC, FOR .637 DIA JOUR	1.000	27.00

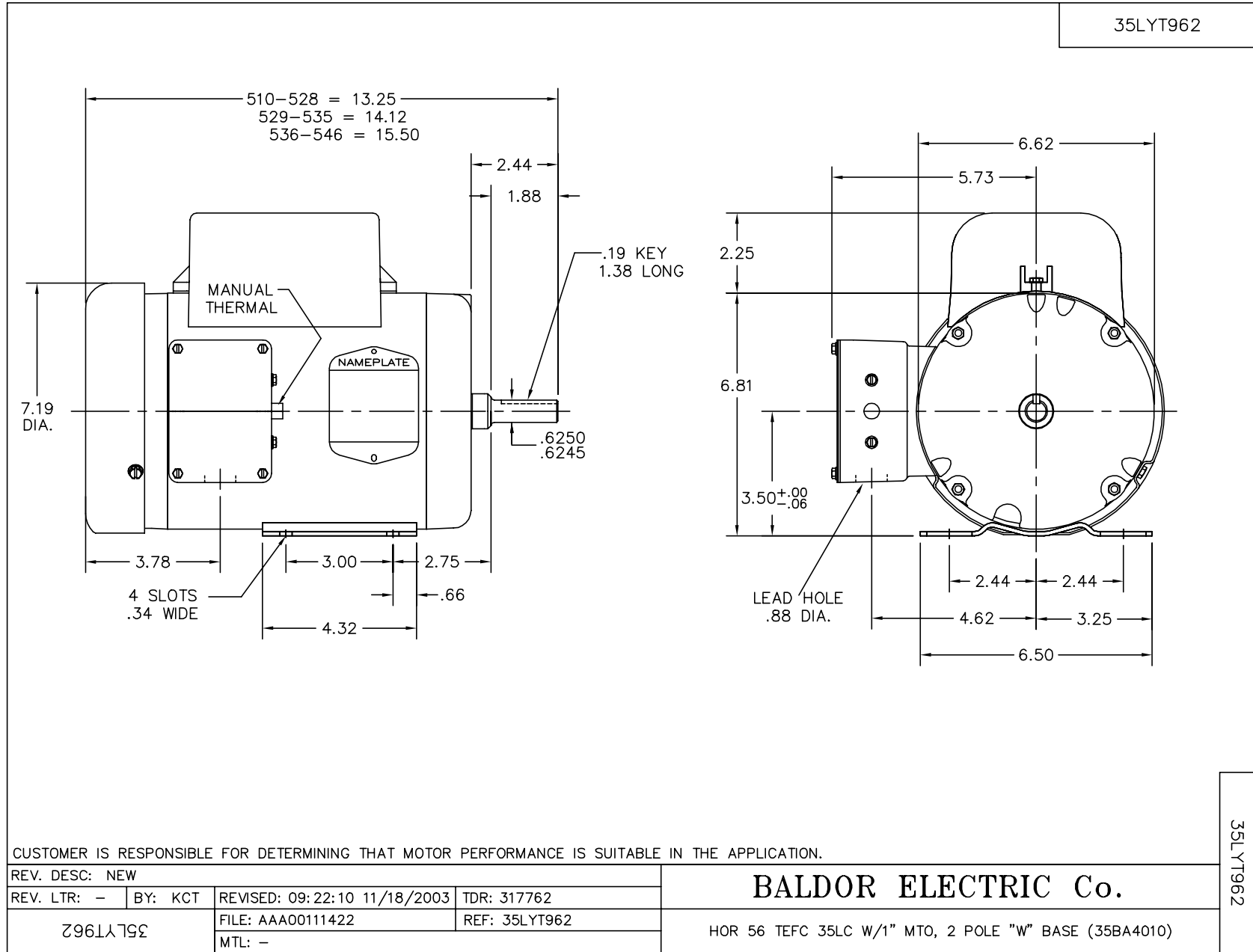
Parts List (continued)			
Product ID	Description	Quantity	List Price
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000	3.00
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - W/AUTOPHERETI	1.000	28.00
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000	4.00
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000	3.00
35GS1030	35 GS FOR CB LID - LEXIDE	1.000	3.00
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000	3.00
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000	3.00
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000	3.00
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000	4.00
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000	3.00
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000	3.00
MJ1000A02	GREASE, POLYREX EM EXXON	0.050	12.00
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.017	4,000.00
SP5051A03	MODEL 35 TORQ STATIONARY SWITCH LEAD ASS	1.000	37.00
HA3100A18	THRUBOLT 10-32 X 9.250	4.000	3.00
LB1119	WARNING LABEL	1.000	3.00
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000	3.00
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000	3.00
NP1257L	NP STD LASER ENGRAVED THERMAL PROTECTED,	1.000	30.00
35PA1066	PACKING GROUP COMBINED PRINT	1.000	16.00

Performance Data at 230V, 60Hz, 2.0HP (Typical performance - Not guaranteed values)

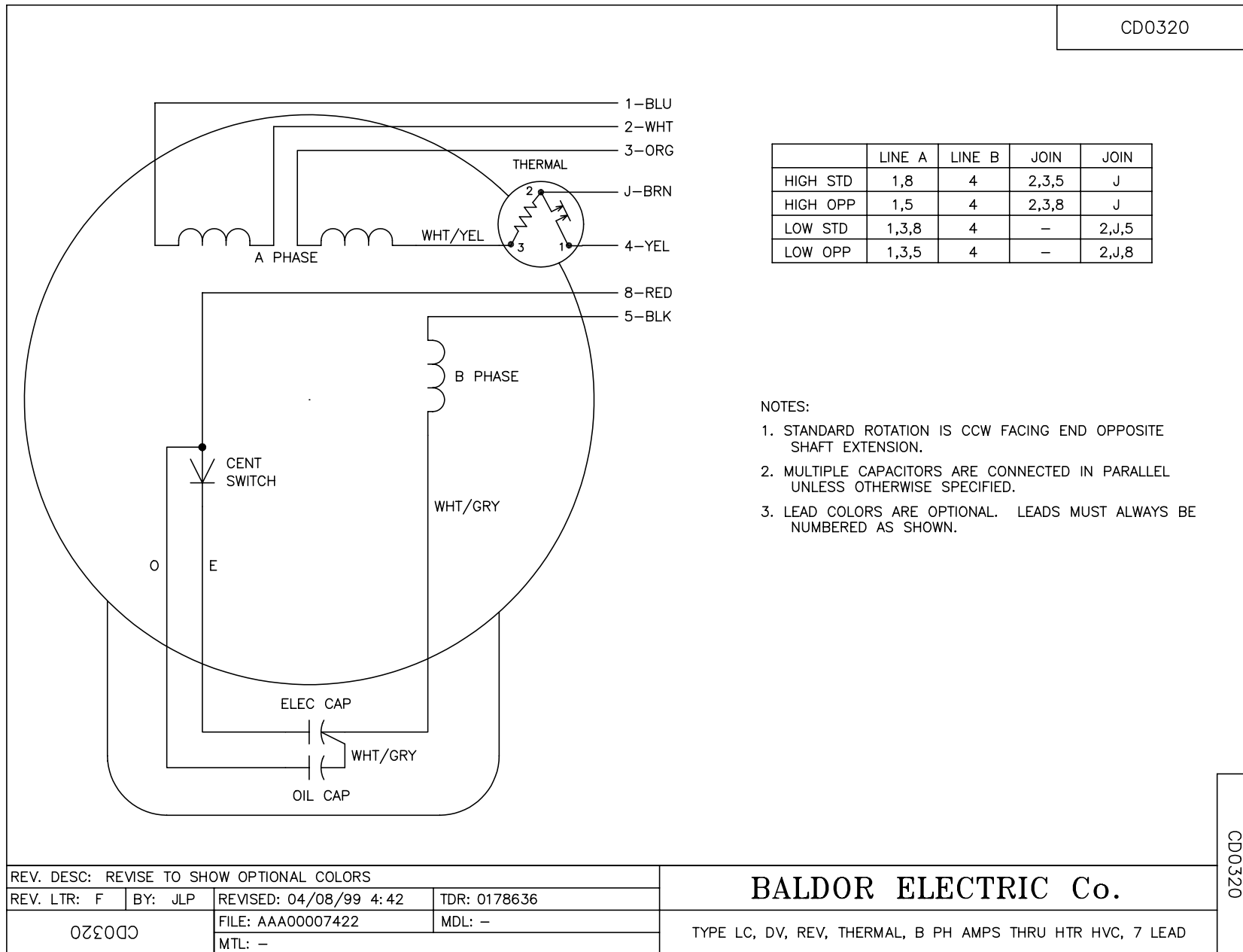
General Characteristics							
Full Load Torque:	3.0 LB-FT			Start Configuration:	DOL		
No-Load Current:	1.35 Amps			Break-Down Torque:	6.0 LB-FT		
Line-line Res. @ 25°C.:	1.33 Ohms A Ph / 1.27 Ohms B Ph			Pull-Up Torque:	5.0 LB-FT		
Temp. Rise @ Rated Load:	66°C			Locked-Rotor Torque:	7.0 LB-FT		
Temp. Rise @ S.F. Load:	88°C			Starting Current:	48.0 Amps		
Load Characteristics							
% of Rated Load:	25	50	75	100	125	150	S.F.
Power Factor:	93.0	93.0	96.0	95.0	95.0	93.0	95.0
Efficiency:	57.0	72.0	76.0	77.0	72.5	73.0	74.3
Speed:	3560.0	3539.0	3508.0	3473.0	3431.0	3380.0	3448.0
Line Amperes:	3.1	4.9	6.7	8.8	11.6	13.8	10.5

Performance Graph at 230V, 60Hz, 2.0HP (Typical performance - Not guaranteed values)





CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: F	BY: JLP	REVISED: 04/08/99 4:42	TDR: 0178636
0320		FILE: AAA00007422	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

CD0320