

BALDOR® • ***RELIANCE***

Product Information Packet

EL11310

1HP,1725RPM,1PH,60HZ,56,3528LC,ODP,F1,N

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528LC	Elec. Spec:	35WGN264	CD Diagram:	CD0055
Enclosure:	ODP	Mfg Plant:		Mech. Spec:	35M497	Layout:	35LYM497
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	04-25-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	03-08-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L										
CAT.NO.	EL11310									
SPEC.	35M497N264G1									
HP	1									
VOLTS	115/230									
AMP	8.4/4.2									
RPM	1750									
FRAME	56				HZ	60			PH	1
SER.F.	1.15		CODE	K	DES	L		CL	F	
F.L. AVG. EFF.	82.6		PF	93						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6205				ODE	6203				
ENCL	ODP		SN							

Parts List		
Part Number	Description	Quantity
SA279961	SA 35M497N264G1	1.000 EA
RA266473	RA 35M497N264G1	1.000 EA
OC3040F09SP	CYL OIL CAP 40MFD/370V	1.000 EA
EC1460A05SP	ELEC CAP, 460-552 MFD, 125V, 2.06D X 3.	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A02	PUEP 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
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
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 45906 - Typical performance - not guaranteed values

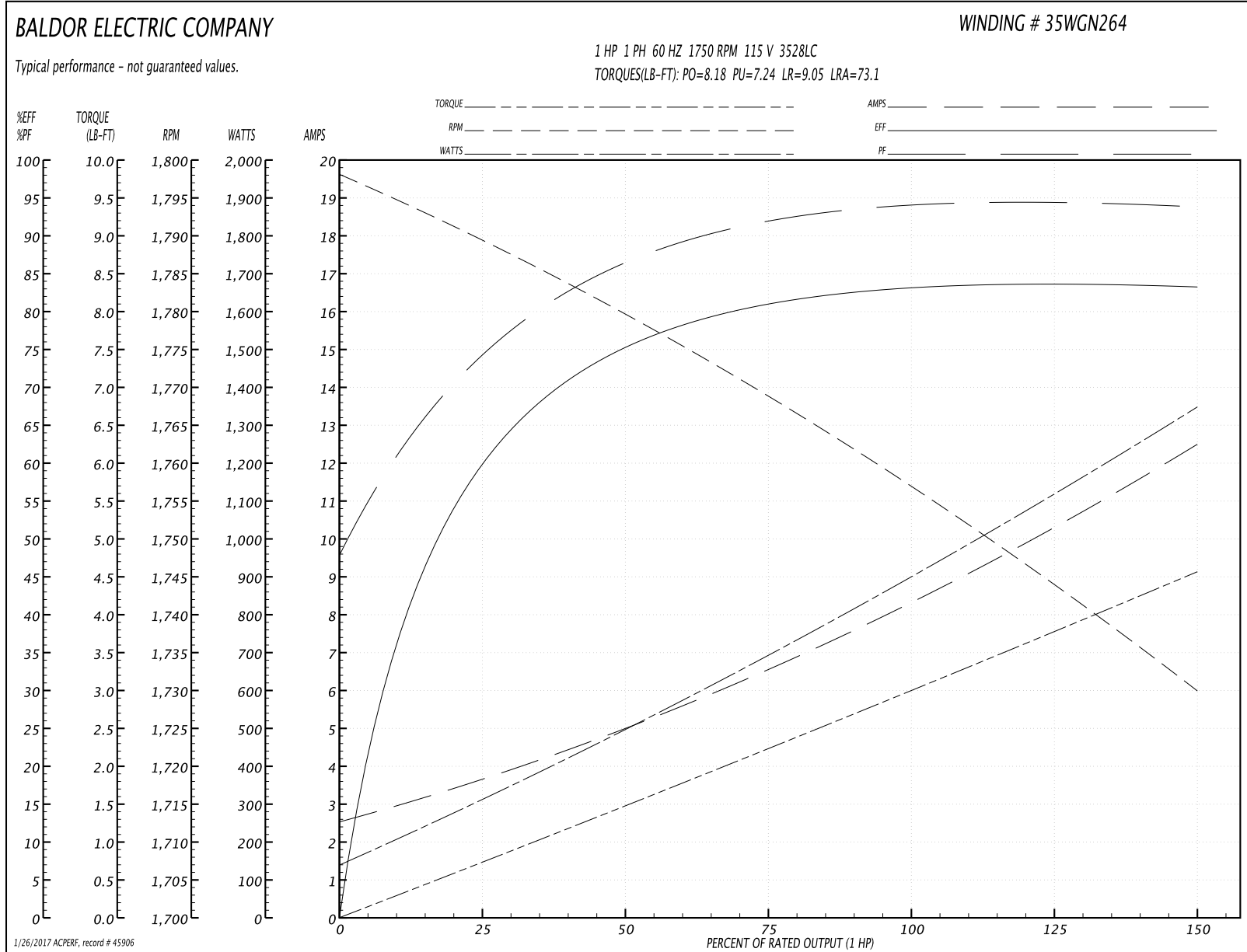
Winding: 35WGN264-R001	Type: 3528LC	Enclosure: OPEN
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	1			Full Load Torque	2.97 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	8.4/4.2			Breakdown Torque	8.18 LB-FT
R.P.M.	1750			Pull-up Torque	7.24 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	9.05 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	73.1 A
Service Factor (S.F.)	1.15			No-load Current	2.55 A
NEMA Nom. Eff.	82.6	Power Factor	93	Line-line Res. @ 25°C	0.6104 Ω A Ph 1.9969 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	17°C
S.F. Amps				Temp. Rise @ S.F. Load	20°C

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	78	87	91	93	94	94	94
Efficiency	57.8	74.5	81.2	83.8	84	82.8	83.9
Speed	1788.2	1779.2	1769.2	1758.2	1744.4	1729.3	1750
Line amperes	3.65	4.96	6.55	8.27	10.3	12.5	9.49

Performance Graph at 115V, 60Hz, 1.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 49416 - Typical performance - not guaranteed values

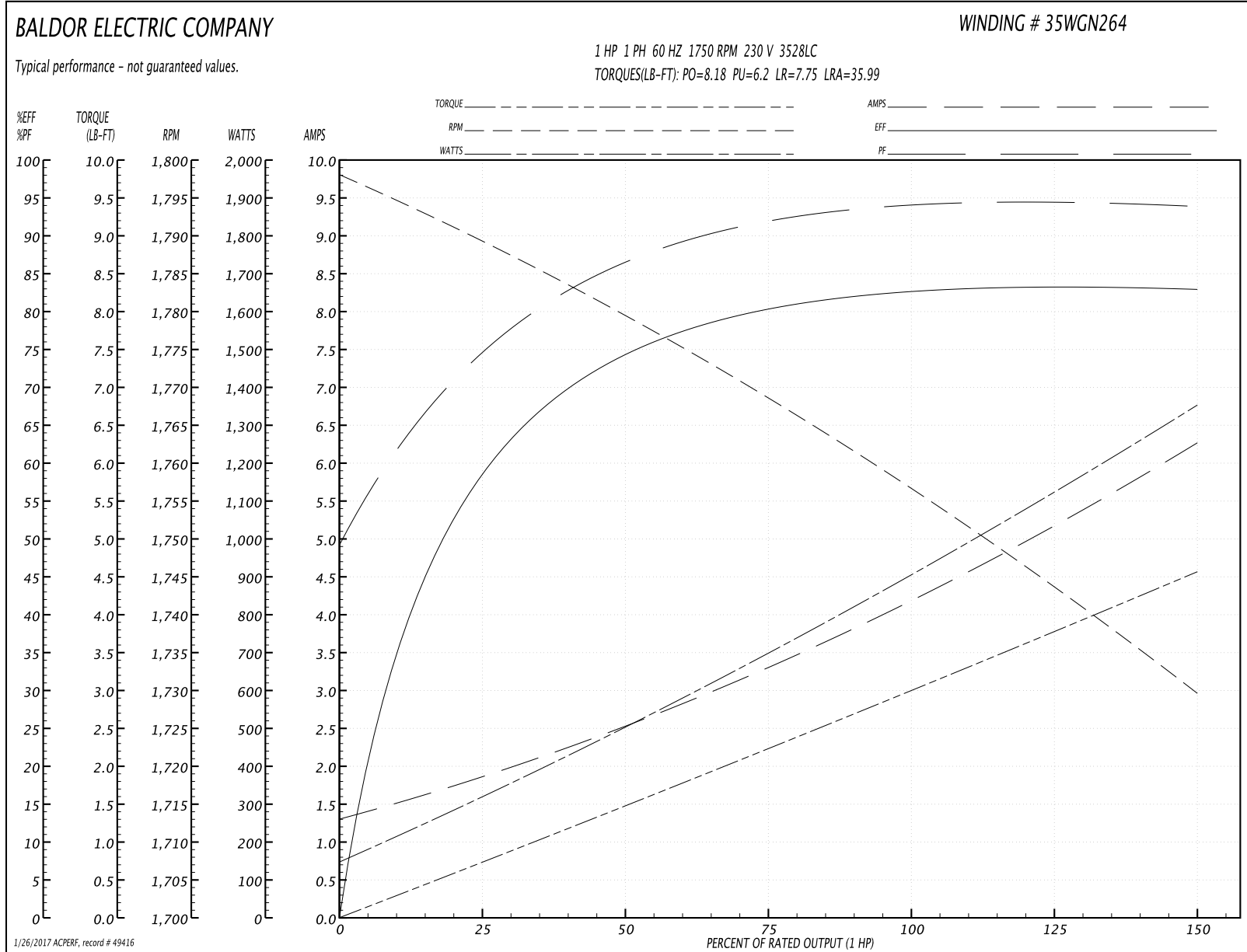
Winding: 35WGN264-R003	Type: 3528LC	Enclosure: ODTF
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	2.97 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	8.4/4.2			Breakdown Torque	8.18 LB-FT
R.P.M.	1750			Pull-up Torque	6.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.75 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	35.99 A
Service Factor (S.F.)	1.15			No-load Current	1.31 A
NEMA Nom. Eff.	82.6	Power Factor	93	Line-line Res. @ 25°C	2.442 Ω A Ph 2.15 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	18°C
S.F. Amps				Temp. Rise @ S.F. Load	21°C
				Rotor inertia	0.166 LB-FT ²

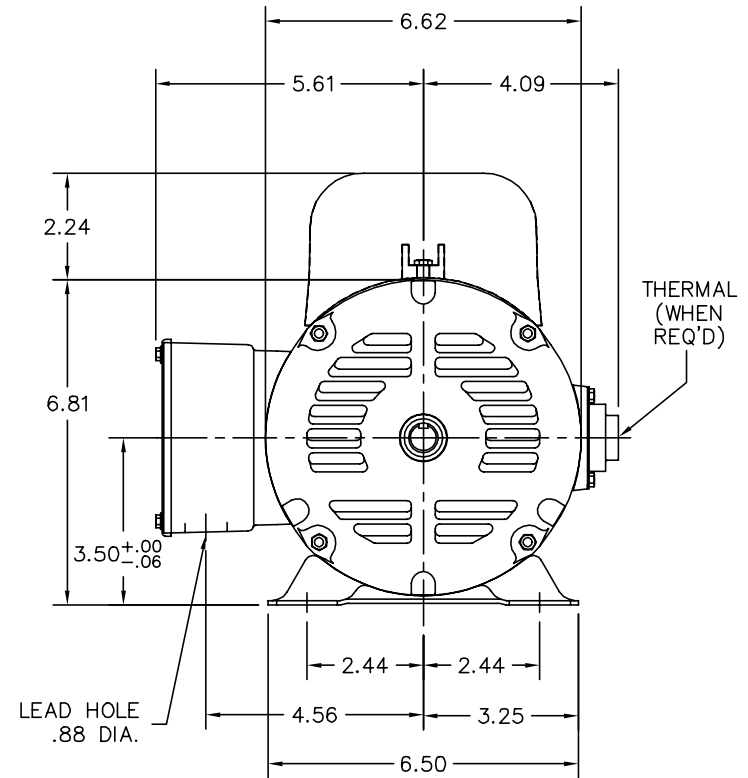
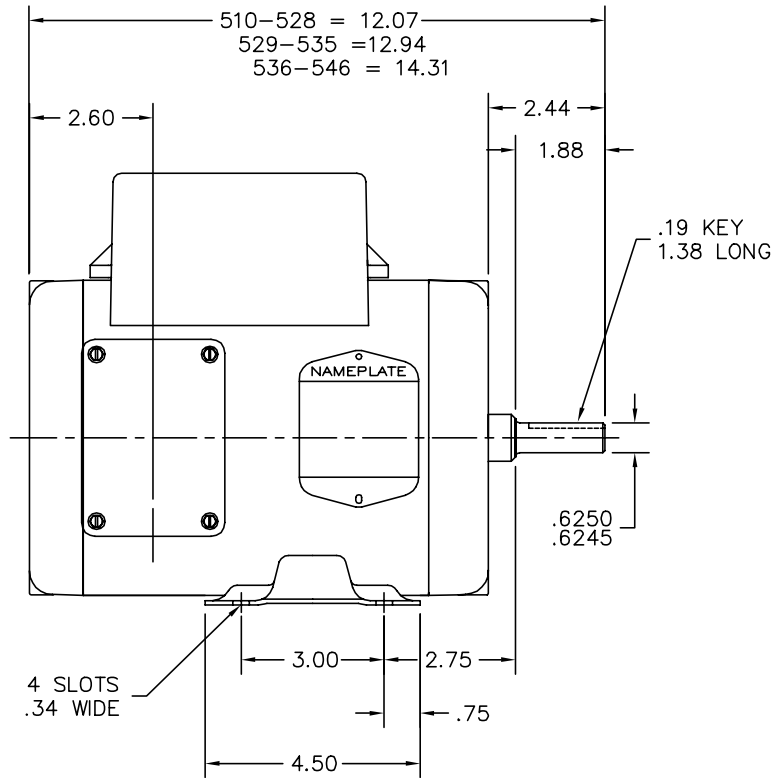
Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	78	87	91	93	94	94	94
Efficiency	56.6	73.7	80.4	83.3	83.7	82.6	83.5
Speed	1788	1779	1769	1758	1744	1729	1750
Line amperes	1.86	2.51	3.3	4.16	5.17	6.27	4.77

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



35LYM497



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE GRAPHICS, KOBX, KOLD & BASE		
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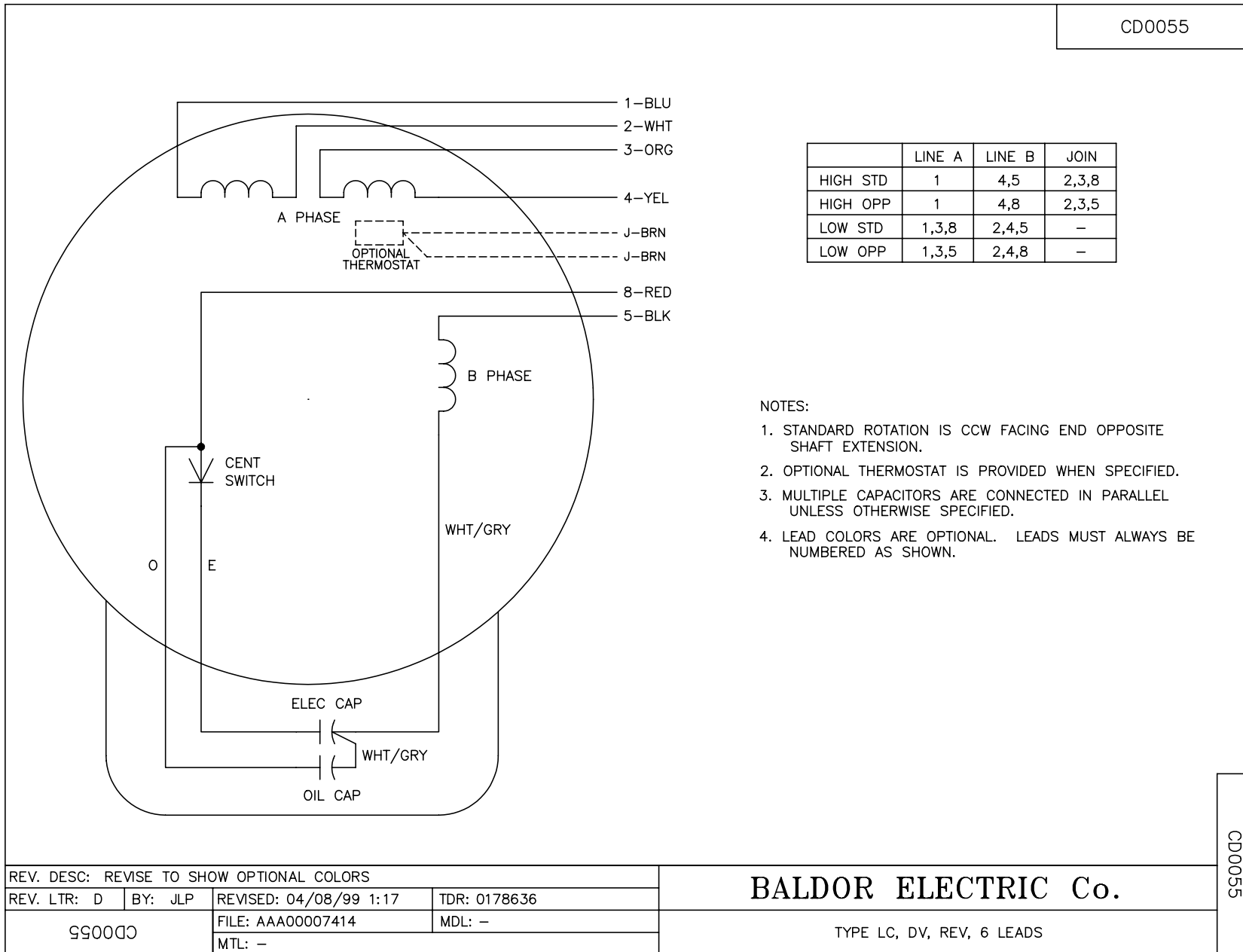
BALDOR

STD HORZ 56 OPEN 35LC

SH 1 of 1

35LYM497

CD0055



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
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BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS

CD0055