

BALDOR® • RELIANCE

Product Information Packet

L3709T

7.5HP,3450RPM,1PH,60HZ,213T,3735LC,TEFC

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3735LC	Elec. Spec:	37GW579	CD Diagram:	CD0017A02
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37M324	Layout:	37LYM324
Frame:	213T	Mounting:	F1	Poles:	02	Created Date:	02-11-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-10-2015
Leads:	2#10 A PH,2#14 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	L3709T										
SPEC.	37M324W579G1										
HP	7.5										
VOLTS	230										
AMP	33										
RPM	3450										
FRAME	213T				HZ		60			PH	1
SER.F.	1.00			CODE	F	DES		L	CLASS	B	
NEMA-NOM-EFF	83			PF	91						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							36
DE	6307				ODE		6206				
ENCL	TEFC			SN							

Parts List		
Part Number	Description	Quantity
SA190953	SA 37M324W579G1	1.000 EA
RA178618	RA 37M324W579G1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
37GS3012A01	GASKET,CAP.BOX 1/16"THICKLEXIDE SV-330 T	1.000 EA
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3100A01	PUEP ASSEMBLY - ROUTING PUPROSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007A41	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR,	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
37CB5005A02	CAPACITOR BOX KIT, 37CB3802, OC3025F11,	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
37FN3002A01	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
NS2539	INSULATOR FOR 37 FRAMESWITCH (MH1011A10)	1.000 EA
HA3104A27	THRUBOLT 5/16 18 X 12.438 X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 11883 - Typical performance - not guaranteed values

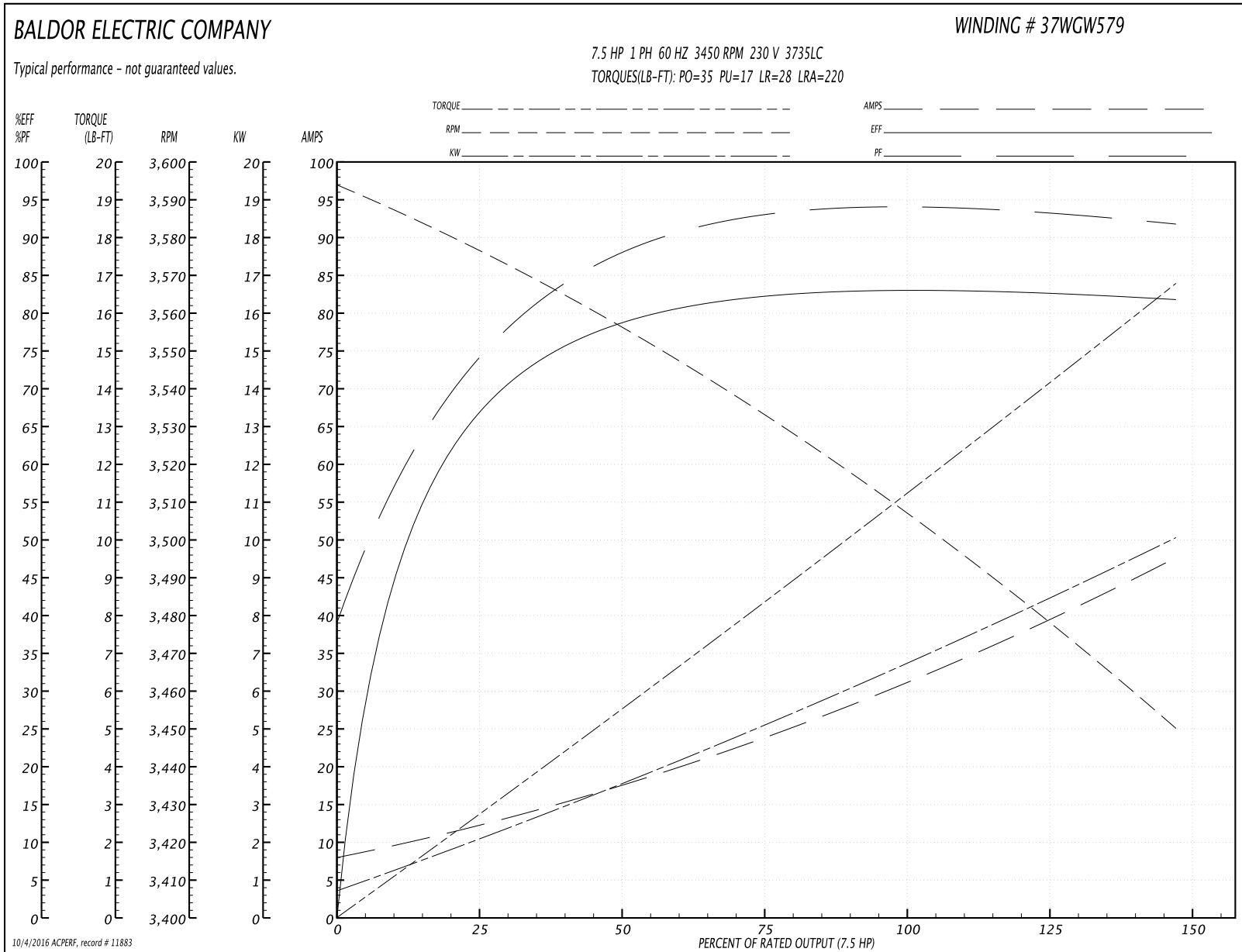
Winding: 37WGW579-R001	Type: 3735LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	11.2 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	33			Breakdown Torque	35 LB-FT
R.P.M.	3450			Pull-up Torque	17 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	28 LB-FT
NEMA Design Code	L	KVA Code	F	Starting Current	220 A
Service Factor (S.F.)	1			No-load Current	8.2 A
NEMA Nom. Eff.	83	Power Factor	91	Line-line Res. @ 25°C	0.22 Ω A Ph 0.98 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	88°C

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	76	88	92	94	94	94
Efficiency	66.7	78.4	82.2	83.3	82.9	81.6
Speed	3575	3555	3533	3508	3481	3449
Line amperes	12	17.6	24.1	31.2	39	47.6

Performance Graph at 230V, 60Hz, 7.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 20907 - Typical performance - not guaranteed values

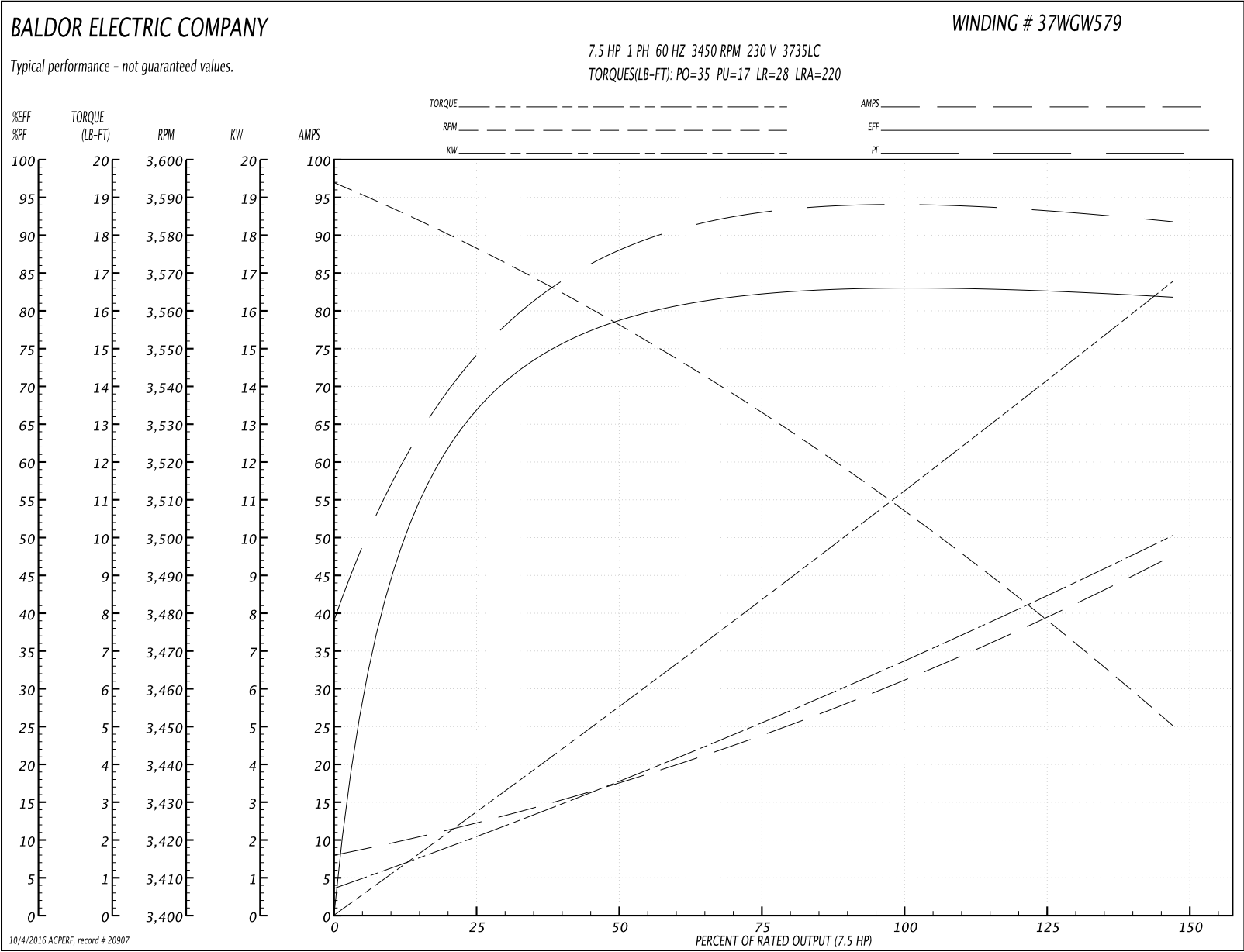
Winding: 37WGW579-R003	Type: 3735LC	Enclosure: TEFC
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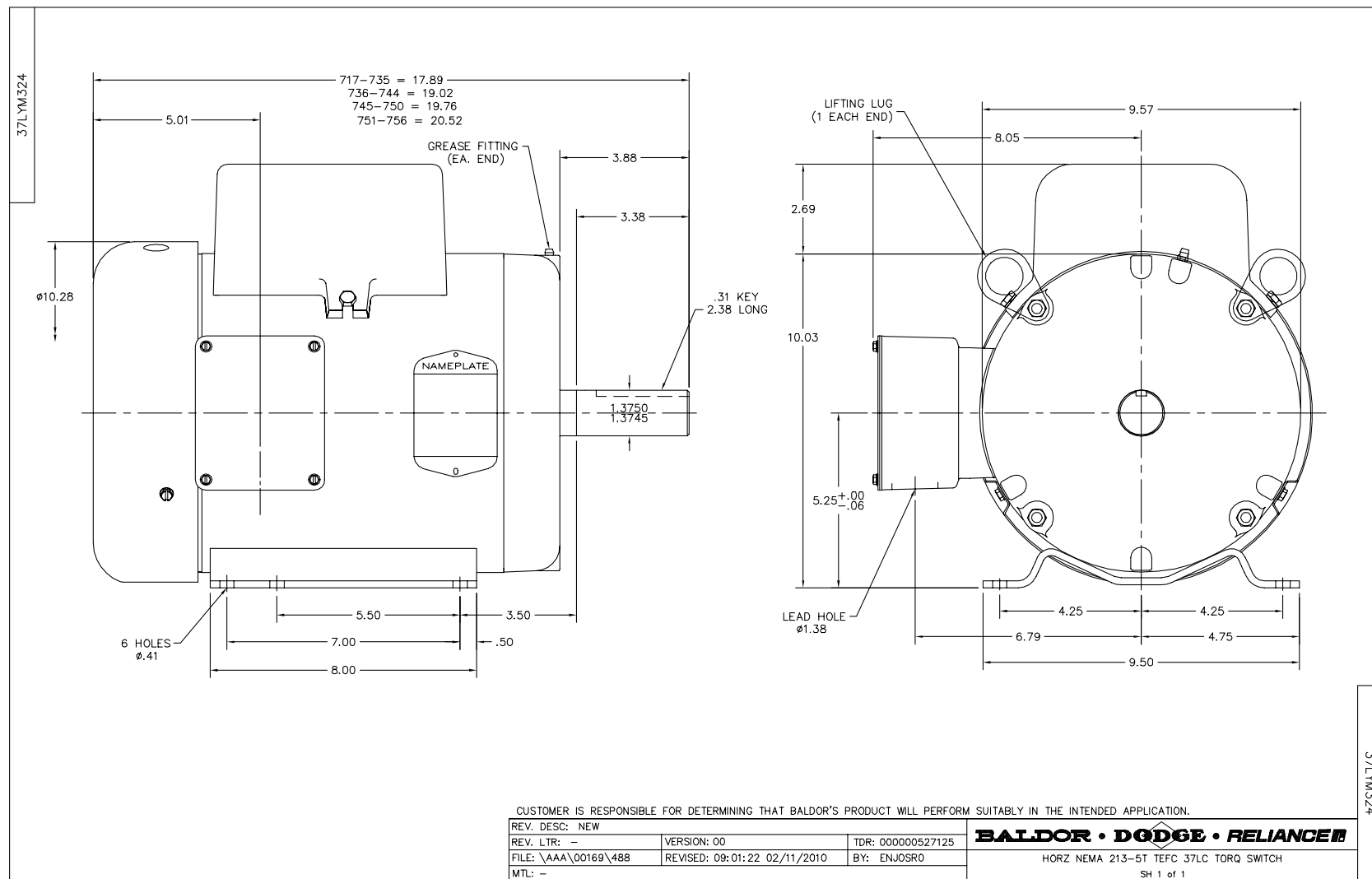
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	11.2 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	33			Breakdown Torque	35 LB-FT
R.P.M.	3450			Pull-up Torque	17 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	28 LB-FT
NEMA Design Code	L	KVA Code	F	Starting Current	220 A
Service Factor (S.F.)	1			No-load Current	8.2 A
NEMA Nom. Eff.	83	Power Factor	91	Line-line Res. @ 25°C	0.22 Ω A Ph 0.98 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	88°C

Load Characteristics 230 V, 60 Hz, 7.5 HP

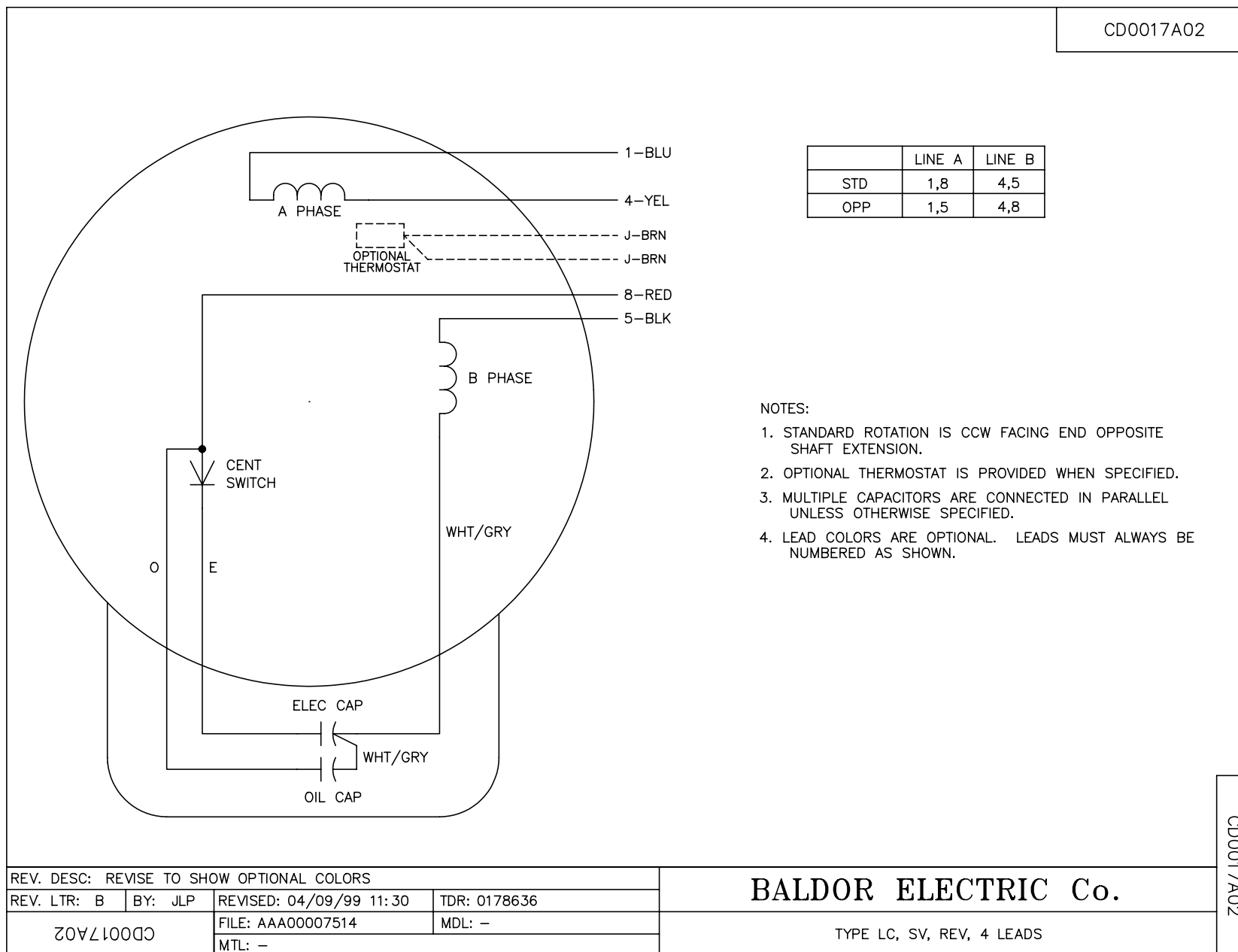
% of Rated Load	25	50	75	100	125	150
Power Factor	76	88	92	94	94	94
Efficiency	66.7	78.4	82.2	83.3	82.9	81.6
Speed	3575	3555	3533	3508	3481	3449
Line amperes	12	17.6	24.1	31.2	39	47.6

Performance Graph at 230V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0017A02



CD0017A02

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: B BY: JLP REVISED: 04/09/99 11:30 TDR: 0178636

CD0017A02

FILE: AAA00007514

MTL: -

MDL: -

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 4 LEADS