

BALDOR® • RELIANCE 

Product Information Packet

JML1409T

5HP,3500RPM,1PH,60HZ,184JM,3634LC,OPEN,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WG925	CD Diagram:	CD0017A02	Mfg Plant:	
Mech. Spec:	36M927	Layout:	36LYM927	Poles:	02	Created Date:	01-07-2010
Base:	RG	Eff. Date:	04-08-2019	Leads:	2#12 A PH,2#16 B PH		

Specs			
Catalog Number:	JML1409T	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	H
Frame:	184JM	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 12 AWG, A PH
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3634LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	96
	UR	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:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	Included
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	21.500 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	23.000 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	L	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No 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:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.	JML1409T									
SPEC.	36M927W925G1									
HP	5									
VOLTS	230									
AMP	21.5									
RPM	3500									
FRAME	184JM				HZ	60			PH	1
SER.F.	1.15		CODE	H	DES	L		CLASS	F	
NEMA-NOM-EFF	80		PF	96						
RATING	40C AMB-CONT									
CC								USABLE AT 208V	23	
DE	6207				ODE	6205				
ENCL	OPEN		SN							

Parts List		
Part Number	Description	Quantity
SA189558	SA 36M927W925G1	1.000 EA
RA177268	RA 36M927W925G1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP3204D00	MASTER ODE,205 BRG,GRSR,RLF	1.000 EA
HA1103A08	RODENT SCREEN, 36 FRAME, OPEN, FRONT END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3405A05	PUEP 182-4C OPEN 207 BRG W/BAFF. TSLV, G	1.000 EA
36AD2000	AIR BAFFLE	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
HA1102A07	RODENT SCREEN 36 OPEN FACE	2.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
36CB4516	36 LIPPED CB LID - GALVANNEAL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A07	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
SP5172A08	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
36CB5005A04	CAPACITOR BOX KIT, 36CB3800, OC3035F09,	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
G7PA1000	PKG GRP, PRINT PK1034A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 65030 - Typical performance - not guaranteed values

Winding: 36WGW925-R001	Type: 3634LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.46 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	21.5			Breakdown Torque	23.85 LB-FT
R.P.M.	3500			Pull-up Torque	12.02 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	12.02 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	154 A
Service Factor (S.F.)	1.15			No-load Current	4.9 A
NEMA Nom. Eff.	75	Power Factor	88	Line-line Res. @ 25°C	0.316 Ω A Ph 0.937 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	83°C
S.F. Amps				Temp. Rise @ S.F. Load	96°C
				Locked-rotor Power Factor	76.8
				Rotor inertia	0.153 LB-FT ²

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	81	89	92	93	92	88	92
Efficiency	66.1	77.2	79.8	79.6	77.5	73.7	78.3
Speed	3574	3546	3515	3480	3434	3372	3452
Line amperes	7.76	11.85	16.56	21.72	27.7	35.76	25.3

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values

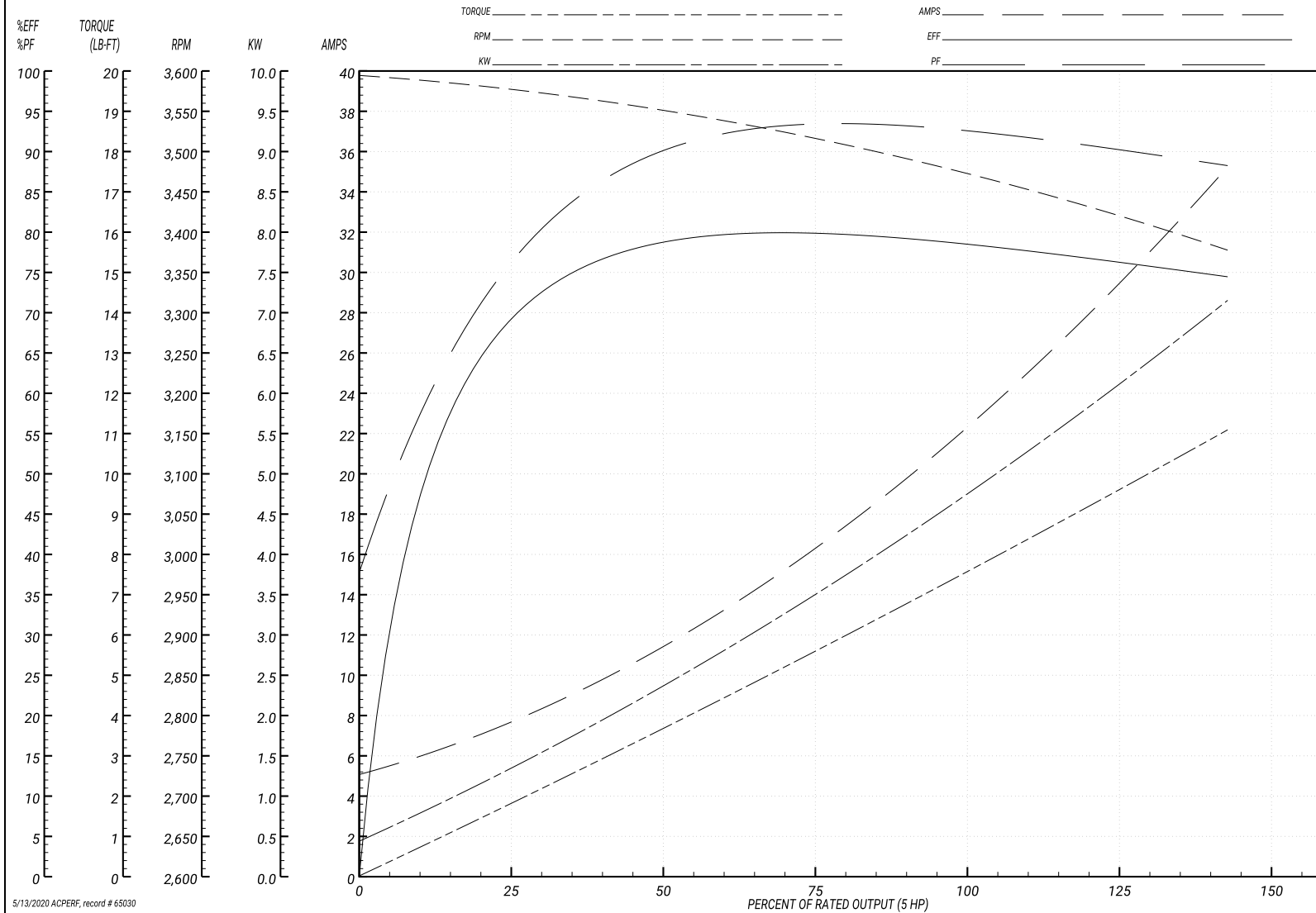
ABB Motors and Mechanical Inc.

WINDING # 36WG925

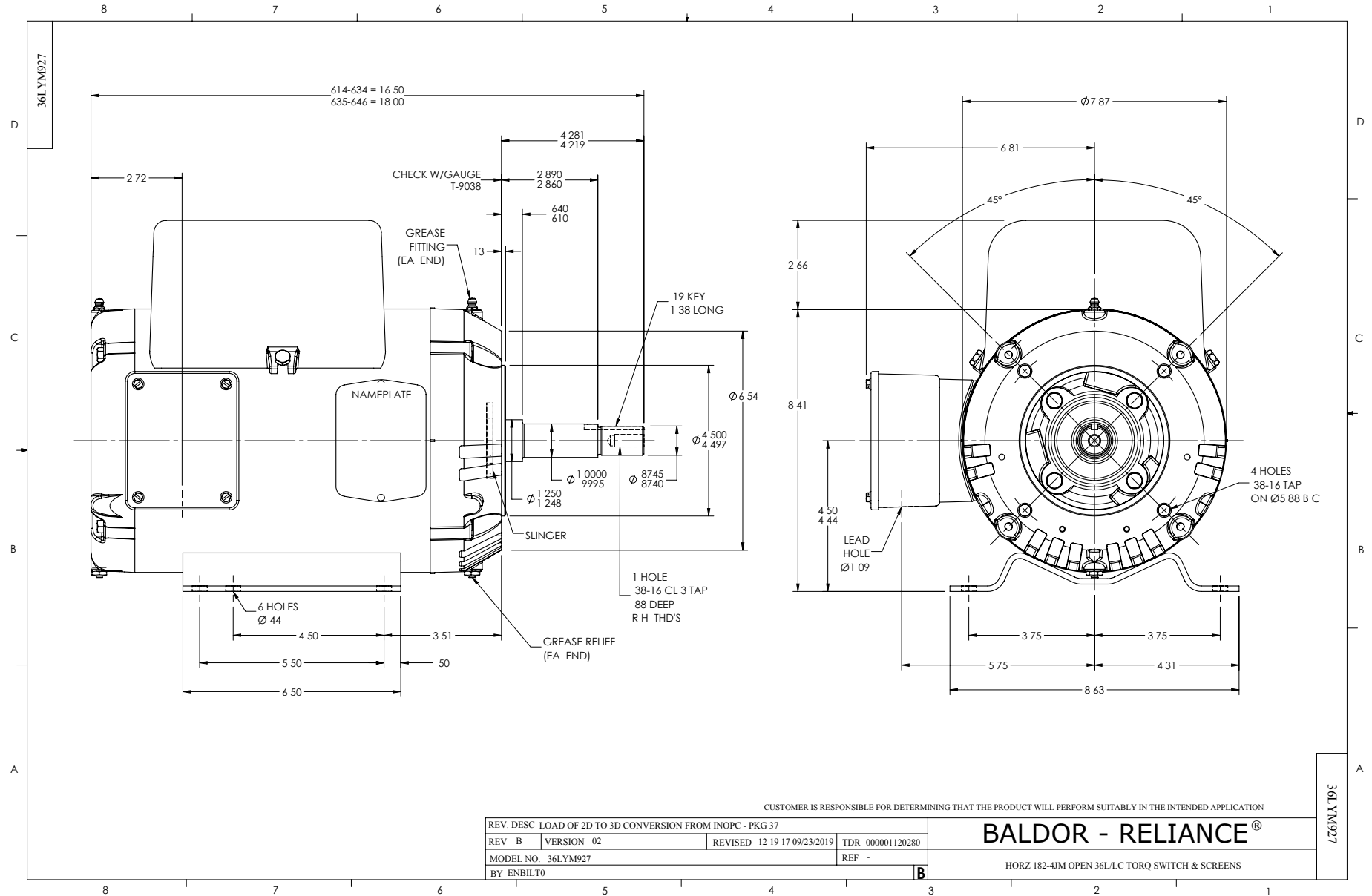
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 3500 RPM 230 V 3634LC

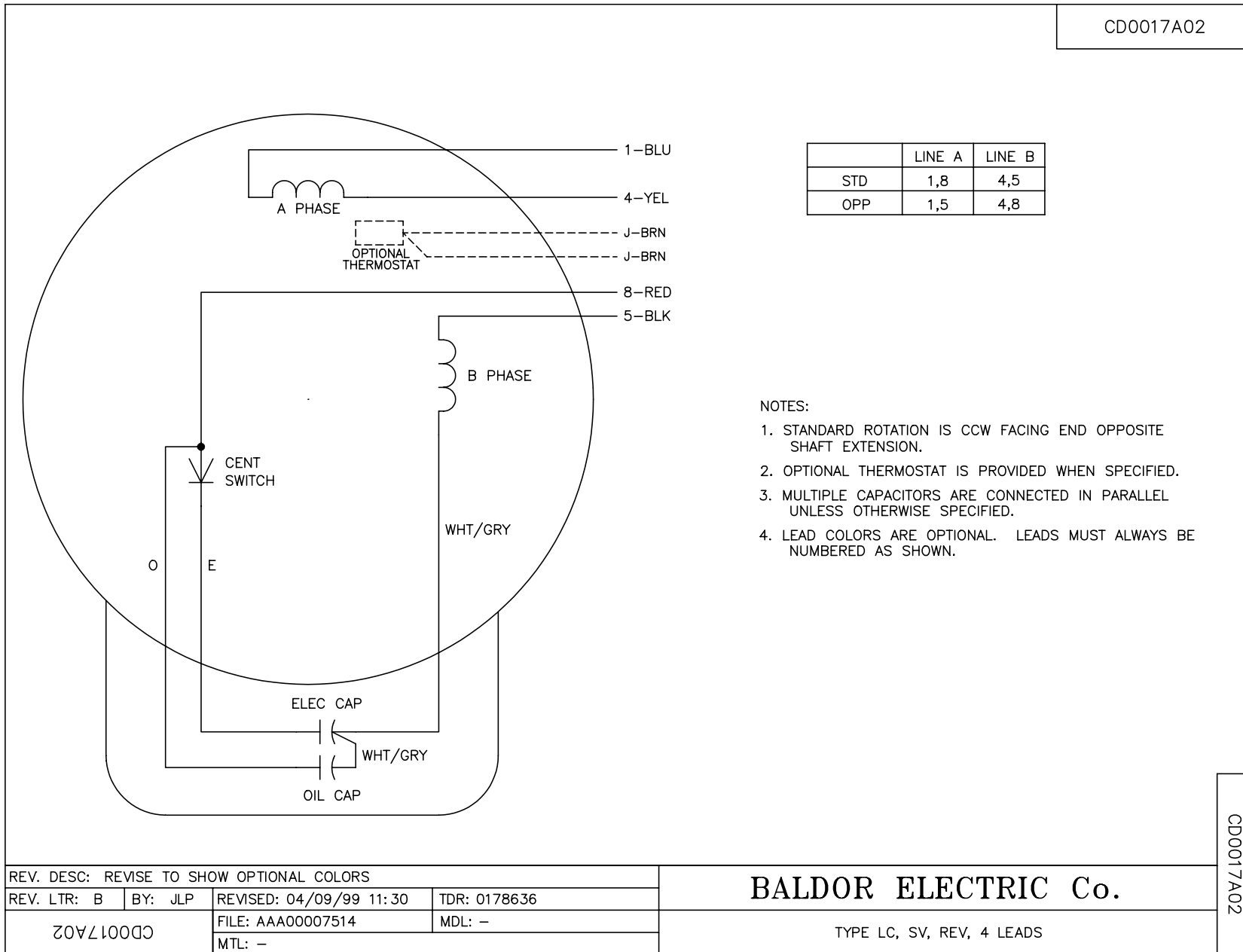
TORQUES(LB-FT): PO=23.85 PU=12.02 LR=12.02 LRA=154



5/13/2020 ACPERF, record # 65030



CD0017A02



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	4,8

NOTES:

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

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 4 LEADS

CD0017A02