

**BALDOR® • RELIANCE** 

**Product Information Packet**

**JML1409T**

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

Part Detail							
Revision:	F	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:	03-31-2017	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

<b>Design Code:</b>	L	<b>Shaft Slinger Indicator:</b>	Shaft Slinger
<b>Drip Cover:</b>	No Drip Cover	<b>Speed Code:</b>	Single Speed
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	NONE (OLD)
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	None
<b>Insulation Class:</b>	F	<b>Winding Thermal 2:</b>	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
36FE3200A25	FREP ASSEMBLY FOR ROUTING PURPOSES	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	O1/4-20X 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

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
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, POLYREX EM EXXON (USe 4824-15A)	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) 5/18	1.000 EA

**AC Induction Motor Performance Data**

Record # 65030 - Typical performance - not guaranteed values

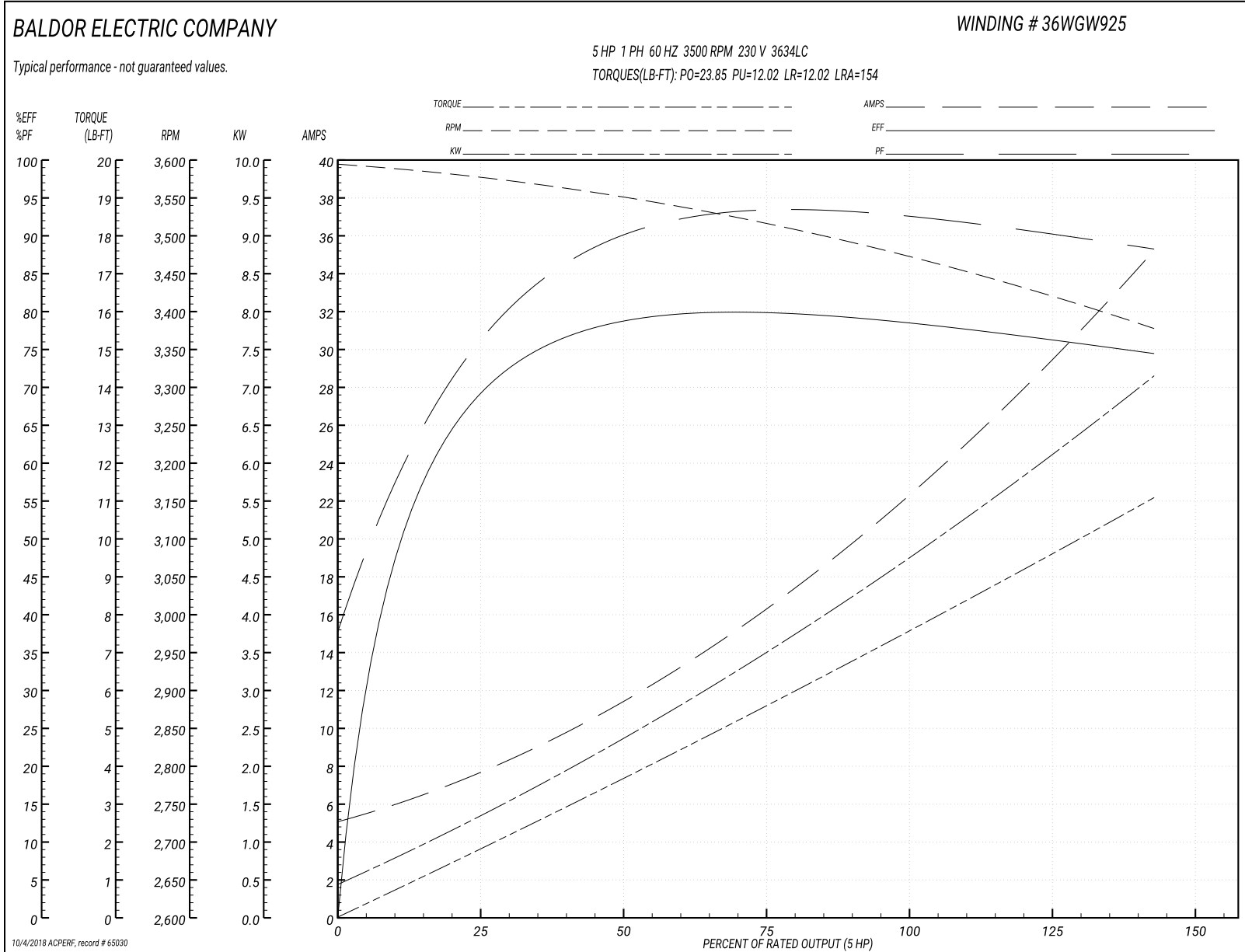
<b>Winding:</b> 36WGW925-R001	<b>Type:</b> 3634LC	<b>Enclosure:</b> OPEN
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.46 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	21.5			Breakdown 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 <sup>2</sup>

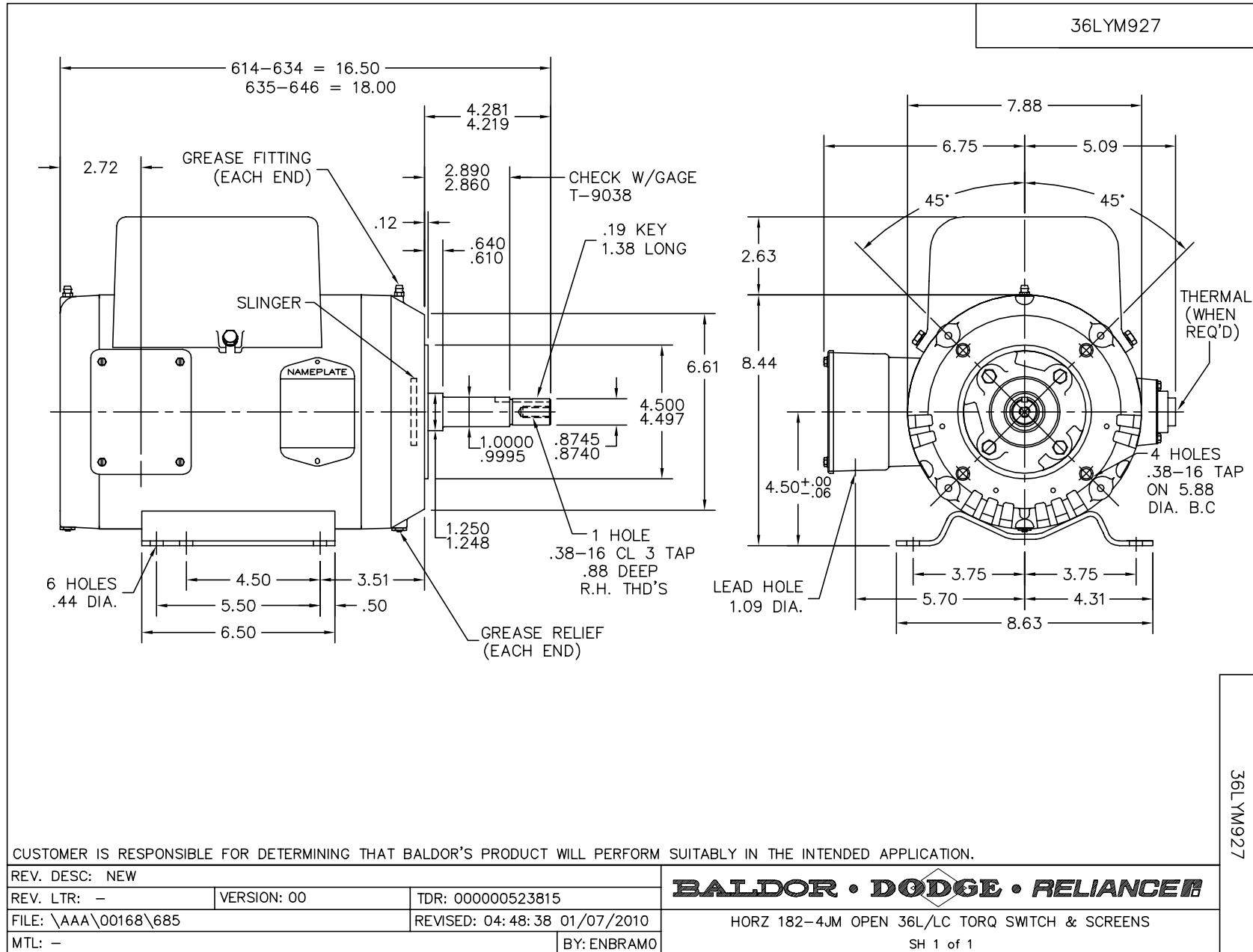
Load Characteristics 230 V, 60 Hz, 5 HP

% 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

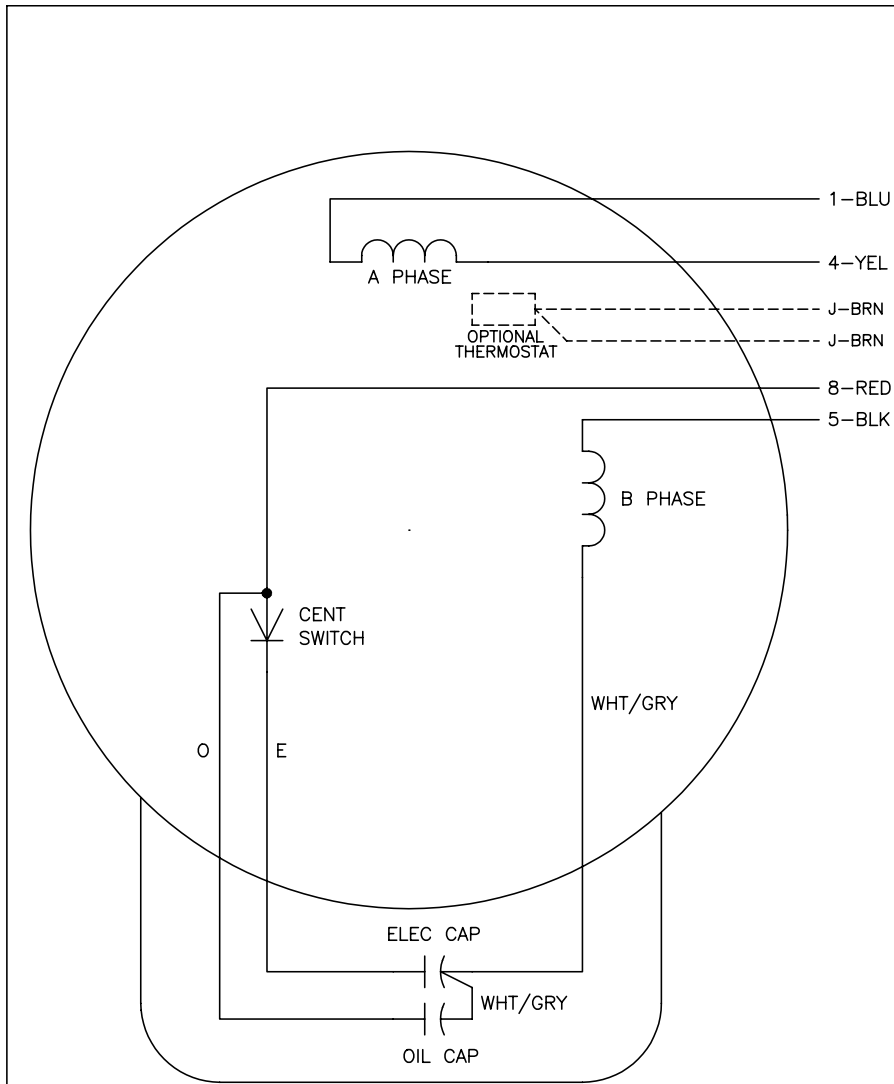
Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values







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