



---

# Customer information packet

## VEL11308

.75HP, 1160RPM, 1PH, 60HZ, 56C, 3530LC, ODTF, F

Class - None

Division - Not Applicable

## Specifications

Enclosure	ODTF
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.200 A @ 230.0 V 6.300 A @ 115.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.2 a
Insulation Class	F
Inverter Code	Not Inverter

## Part detail

Revision	G
Type	AC
Mech. spec.	35E019
Base	
Status	PRD/A
Elec. spec.	35WGG064
Layout	35LYE019
Eff. date	07-02-2024
CD Diagram	CD0055
Poles	06
Leads	6#18
Proprietary	False
Created date	08-01-2022

IP Rating	NONE
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3530LC
Mounting Arrangement	F1
Number of Poles	6
Overall Length	14.12 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1160 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

**Nameplate**

<b>NP3155L</b>									
<b>CAT.NO.</b>	VEL11308								
<b>SPEC.</b>	35E019G064								
<b>HP</b>	.75								
<b>VOLTS</b>	115/230								
<b>AMP</b>	6.3/3.2								
<b>RPM</b>	1160								
<b>FRAME</b>	56C		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.00	<b>CODE</b>	H	<b>DES</b>	L	<b>CL</b>	F		
<b>F.L. AVG. EFF.</b>	81.5	<b>PF</b>	95						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205		<b>ODE</b>	6203					
<b>ENCL</b>	ODTF	<b>SN</b>							

## Parts list

Part number	Description	Quantity
SA407290	SA 35E019G064	1.000 ea
RA398789	RA 35E019G064	1.000 ea
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	1.000 ea
EC1340A03	ELEC CAP, 340-408 MFD, 125V, 1.81D X 3.	1.000 ea
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	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
35EP3209D00	MASTER ODE,203 BRG,.683SH,DRIP CVR	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
35CB3801	CAPACITOR COVER, CAST	1.000 ea
HA7010	CAPACITOR RETENTION CLAMP	1.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3402C00	MASTER DE,205 BRG,OPEN	1.000 ea
35AD2000	AIR BAFFLE - GALVANNEAL	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4006A01SP	DRIP COVER,STAMPED,W/ PRIMER	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 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	0.050 lb

MG1050Y01	CELEROL BALDOR GOLD *** NLA IN 5 GALLON	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
NP3155L	ALUM SUPER-E UL CC "SEMS"	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A06	1.000 ea
PK3082	STYROFOAM CRADLE	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500bx)4/22	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000011	ZRTG PE ASSEMBLY	1.000 ea

**AC Induction Motor Performance Data**

Record # 88895

Typical performance - not guaranteed values

Winding: 35WGG064-R002		Type: 3530LC		Enclosure: OPEN	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>		
Rated Output (HP)	.75	Full Load Torque	3.4 LB-FT		
Volts	115/230	Start Configuration	direct on line		
Full Load Amps	6.3/3.2	Breakdown Torque	8.03 LB-FT		
R.P.M.	1160	Pull-up Torque	5.18 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	11.2 LB-FT	
NEMA Design Code	L	KVA Code	H	Starting Current	44.2 A
Service Factor (S.F.)			1	No-load Current	1.97 A
NEMA Nom. Eff.	81.5	Power Factor	95	Line-line Res. @ 25°C	1.4 Ω A Ph 1.84 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load	39°C
				Locked-rotor Power Factor	98.1
				Rotor inertia	0.217 lb-ft <sup>2</sup>

**Load Characteristics 115 V, 60 Hz, 0.75 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	84	91	94	95	95	93
Efficiency	54.8	72.8	79.9	81.6	79.7	73.7
Speed	1190	1182	1172	1160	1143	1115
Line amperes	2.66	3.66	4.84	6.28	8.03	10.6

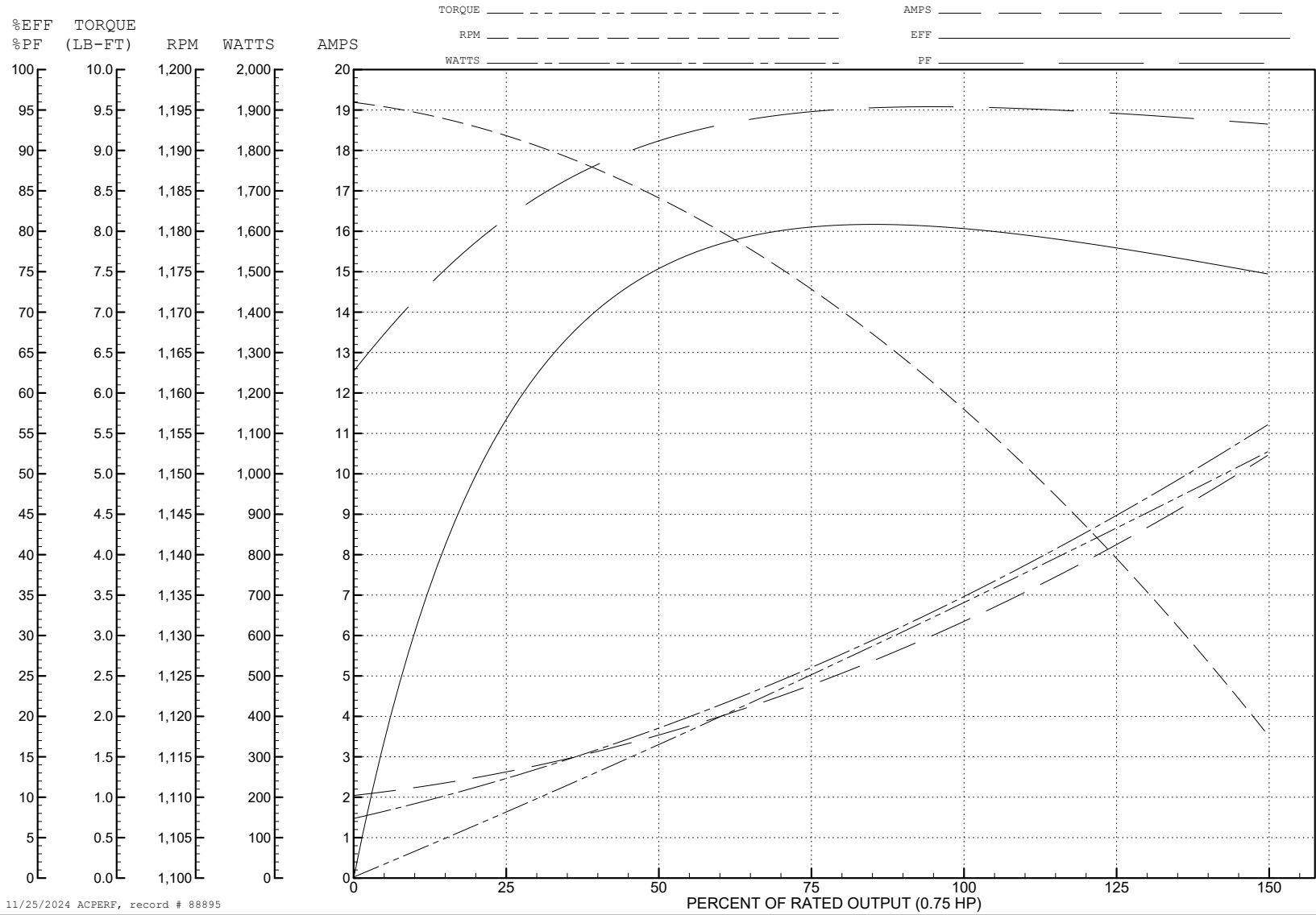
ABB Motors and Mechanical Inc.

WINDING # 35WGG064

Typical performance - not guaranteed values.

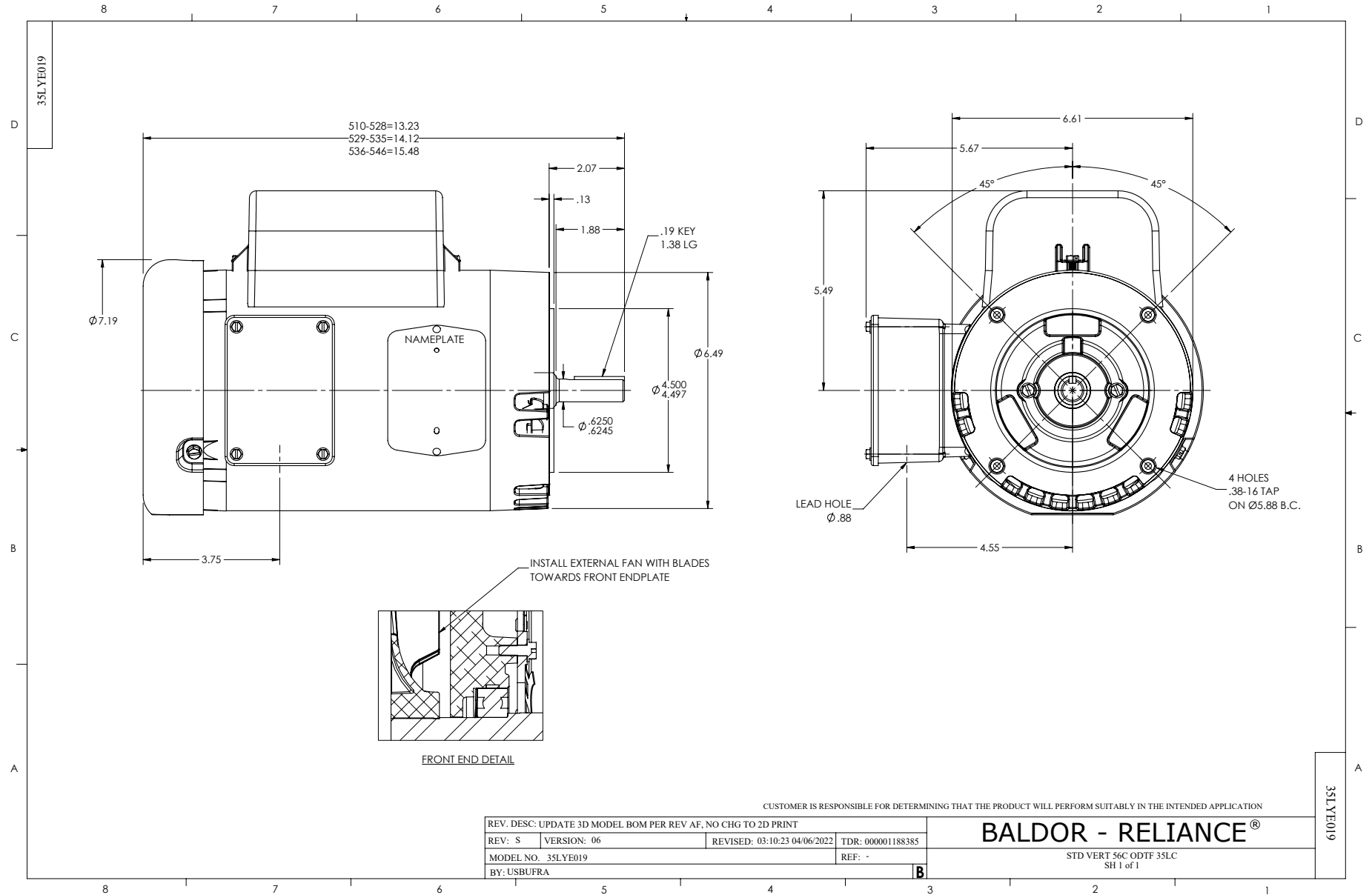
0.75 HP 1 PH 60 HZ 1160 RPM 115 V 3530LC

TORQUES (LB-FT): PO=8.03 PU=5.18 LR=11.2 LRA=44.2

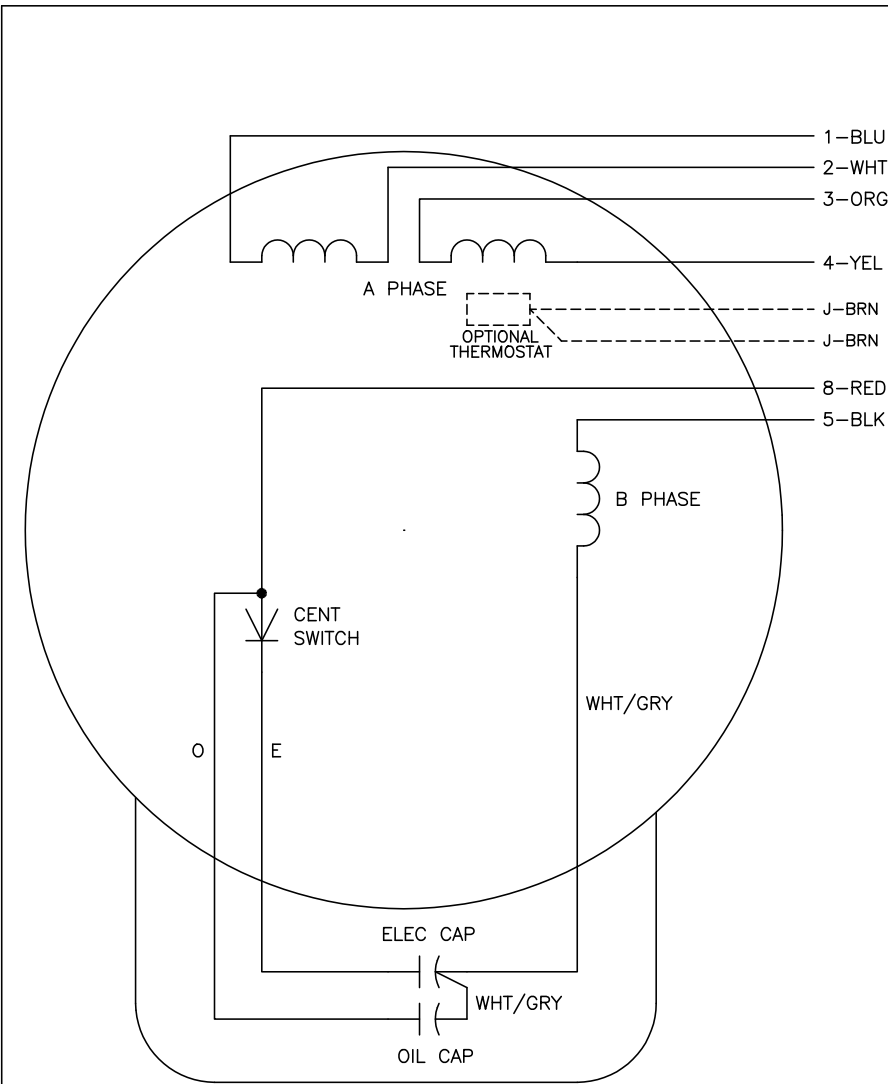


11/25/2024 ACPERF, record # 88895





CD0055



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

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: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
C00000		FILE: AAA00007414	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, DV, REV, 6 LEADS

CD0055