

**BALDOR® • RELIANCE** 

**Product Information Packet**

**L3507M**

**.75HP, 1725RPM, 1PH, 60HZ, 56, 3428LC, TEFC, F1**

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGW982	CD Diagram:	CD0320	Mfg Plant:	
Mech. Spec:	34G426	Layout:	34LYG426	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	06-29-2018	Leads:	6#18,1#16 #4TH		

Specs			
Catalog Number:	L3507M	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	L
Frame:	56	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.750 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	115.0 V @ 60 HZ	Motor Type:	3428LC
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	80
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	4.100 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	5.400 A @ 208.0 V	<b>Shaft Rotation:</b>	Reversible
	8.200 A @ 115.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	N	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	NONE (OLD)
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	Manual Thermal Overload
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1 Location:</b>	SB
<b>Insulation Class:</b>	B	<b>Winding Thermal 2:</b>	None

Nameplate NP1257L	
CAT.NO.	L3507M
SPEC.	34G426W982
HP	.75
VOLTS	115/230
AMP	8.2/4.1
RPM	1725
FRAME	56
SER.F.	1.25
NEMA-NOM-EFF	74
RATING	40C AMB-CONT
CC	
DE	6203
ENCL	TEFC
	SFA 9.8/4.9
	CODE L
	PF 80
	ODE 6203
	SN
	HZ 60
	DES N
	CL B
	PH 1
	USABLE AT 208V 5.4

Parts List		
Part Number	Description	Quantity
SA005891	SA 34G426W982	1.000 EA
RA002637	RA 34G426W982	1.000 EA
OC3020F12SP	CAPACITORS 20 MFD 370 VAC	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
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	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
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
SP5051B17	MDL 34 TORQ STAT SW,TYPE LC, STD F1 & F2	1.000 EA
HA3100A37	THRUBOLT 10-32 X 8.500	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
34-171	C FACE KIT	A8

**AC Induction Motor Performance Data**  
Record # 7171 - Typical performance - not guaranteed values

<b>Winding:</b> 34WGW982-R001	<b>Type:</b> 3428LC	<b>Enclosure:</b> TEFC
-------------------------------	---------------------	------------------------

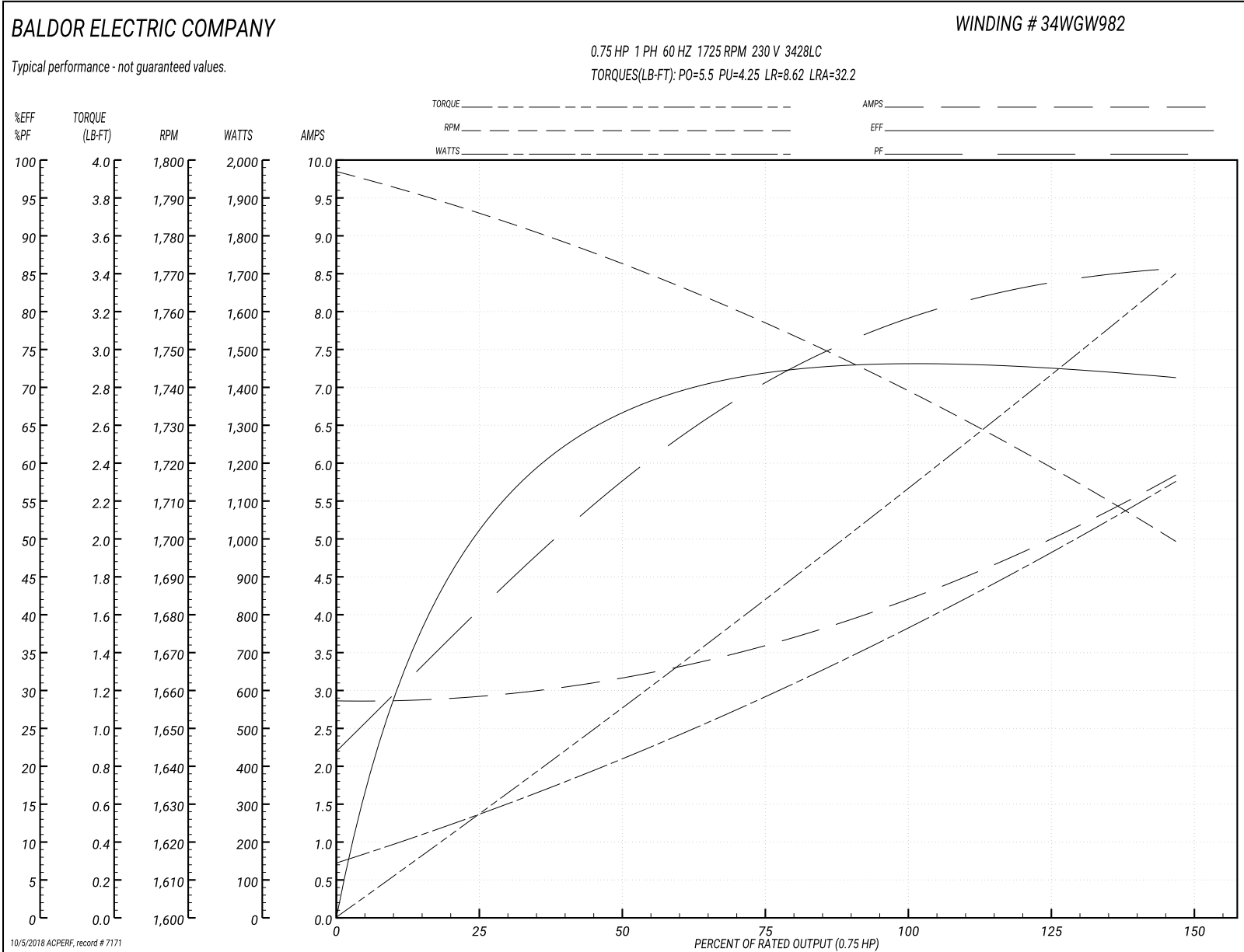
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.27 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	8.2/4.1			Breakdown Torque	5.5 LB-FT
R.P.M.	1725			Pull-up Torque	4.25 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	8.62 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	32.2 A
Service Factor (S.F.)	1.25			No-load Current	2.87 A
NEMA Nom. Eff.	74	Power Factor	80	Line-line Res. @ 25°C	3.08 Ω A Ph 1.75 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	62°C
S.F. Amps	9.8/4.9			Temp. Rise @ S.F. Load	80°C

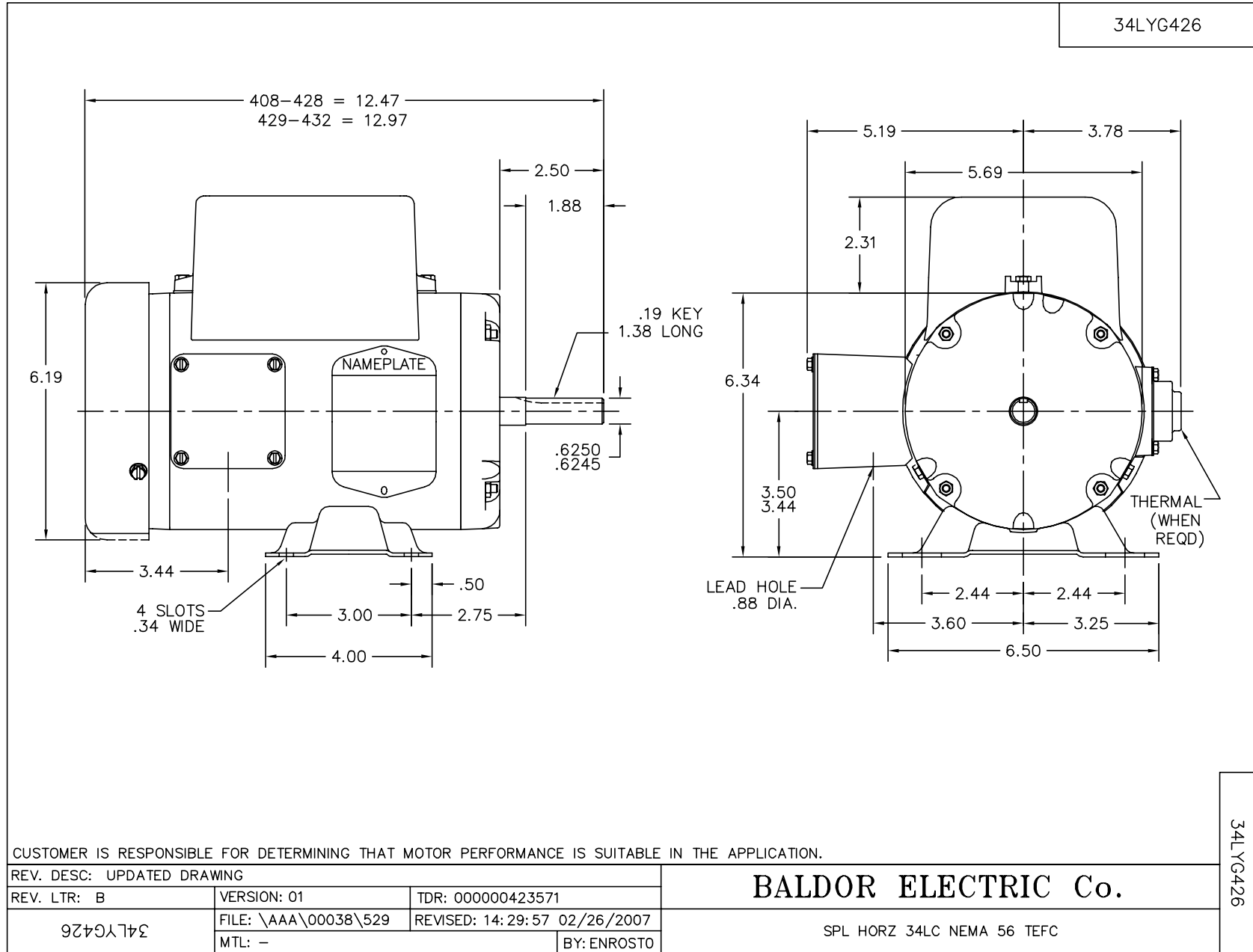
Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	59	70	78	83	86	83
Efficiency	50.3	67	71.8	73.6	72.9	71	72.9
Speed	1785	1770	1757	1740	1721	1698	1721
Line amperes	2.92	3.16	3.64	4.2	4.97	5.84	4.97

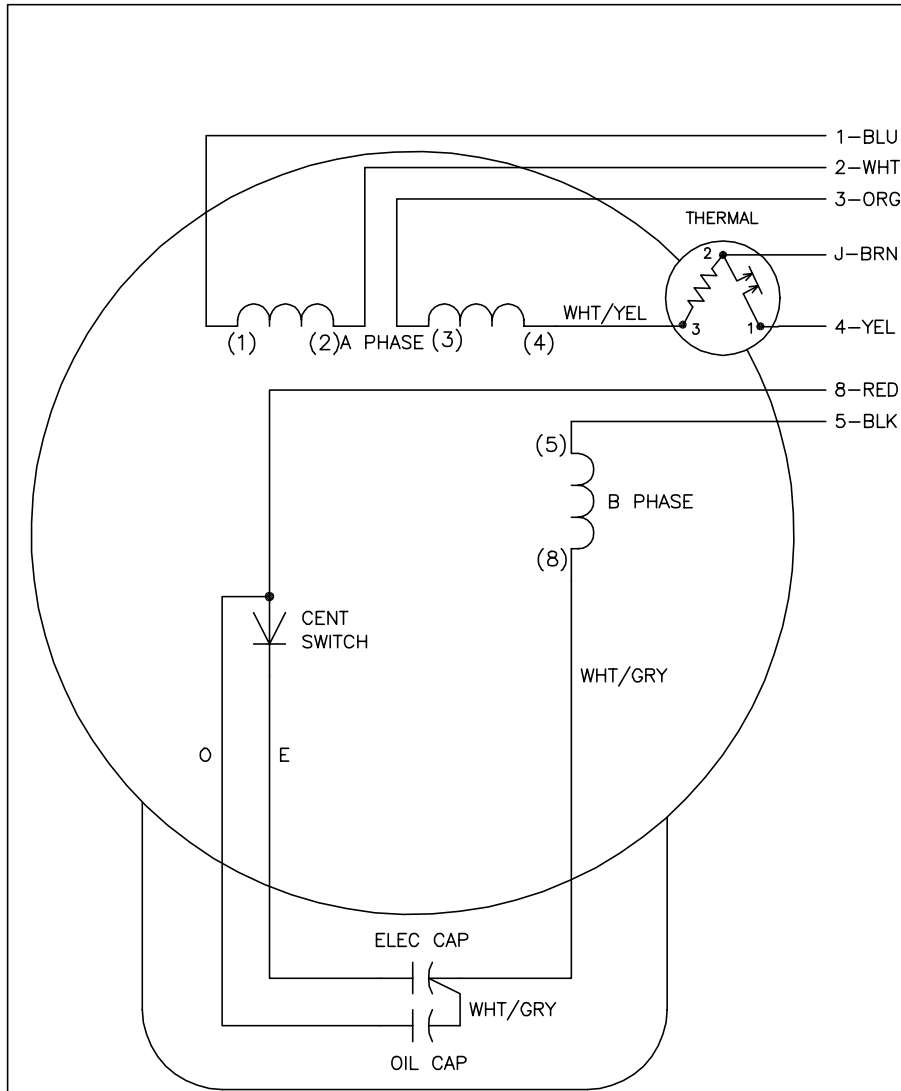


Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0320



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

NOTES:

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

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: -	© □	

**BALDOR**

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

SH 1 of 1