

**BALDOR® • RELIANCE** 

**Product Information Packet**

**CJL3501A**

**.33HP,1725RPM,1PH,60HZ,56J,3414L,TEFC,F1**

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5597	CD Diagram:	CD0094	Mfg Plant:	
Mech. Spec:	34L052	Layout:	34LYL052	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	04-23-2021	Leads:	5#18		

Specs			
Catalog Number:	CJL3501A	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56J	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Cap Start, Induction Run	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.330 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	5 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3414L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	60
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Ext Thread
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

<b>Current @ Voltage:</b>	3.000 A @ 230.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	3.600 A @ 208.0 V	<b>Shaft Rotation:</b>	Fixed Opposite Standard
	6.000 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
<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>	Automatic Thermal Overload
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1 Location:</b>	ES
		<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1257L</b>	
<b>CAT.NO.</b>	CJL3501A
<b>SPEC.</b>	34L52-5597
<b>HP</b>	.33
<b>VOLTS</b>	115/230
<b>AMP</b>	6/3
<b>RPM</b>	1725
<b>FRAME</b>	56J
<b>SER.F.</b>	1.35
<b>NEMA-NOM-EFF</b>	60
<b>RATING</b>	40C AMB-CONT
<b>CC</b>	
<b>DE</b>	6203
<b>ENCL</b>	TEFC
	SFA 6.8/3.4
<b>CODE</b>	L
<b>PF</b>	60
<b>ODE</b>	6203
<b>DES</b>	N
<b>CL</b>	B
<b>HZ</b>	60
<b>PH</b>	1
	USABLE AT 208V 3.6

Parts List		
Part Number	Description	Quantity
SA007938	SA 34L52-5597	1.000 EA
RA004385	RA 34L52-5597	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	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
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A03SP	IEC FH NO GREASER W/.88 DIA SHAFT HOLE,	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4100A81	CAPLUG BPF-7/8, FOR .86-.88 HOLE	1.000 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
RM1010A01	35-968-1 VINYL CLS	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	2.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
SP5051B59	MDL 34 TORQ STAT SW,TYPE L	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0031	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
35PA1066	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 # 6784

Typical performance - not guaranteed values

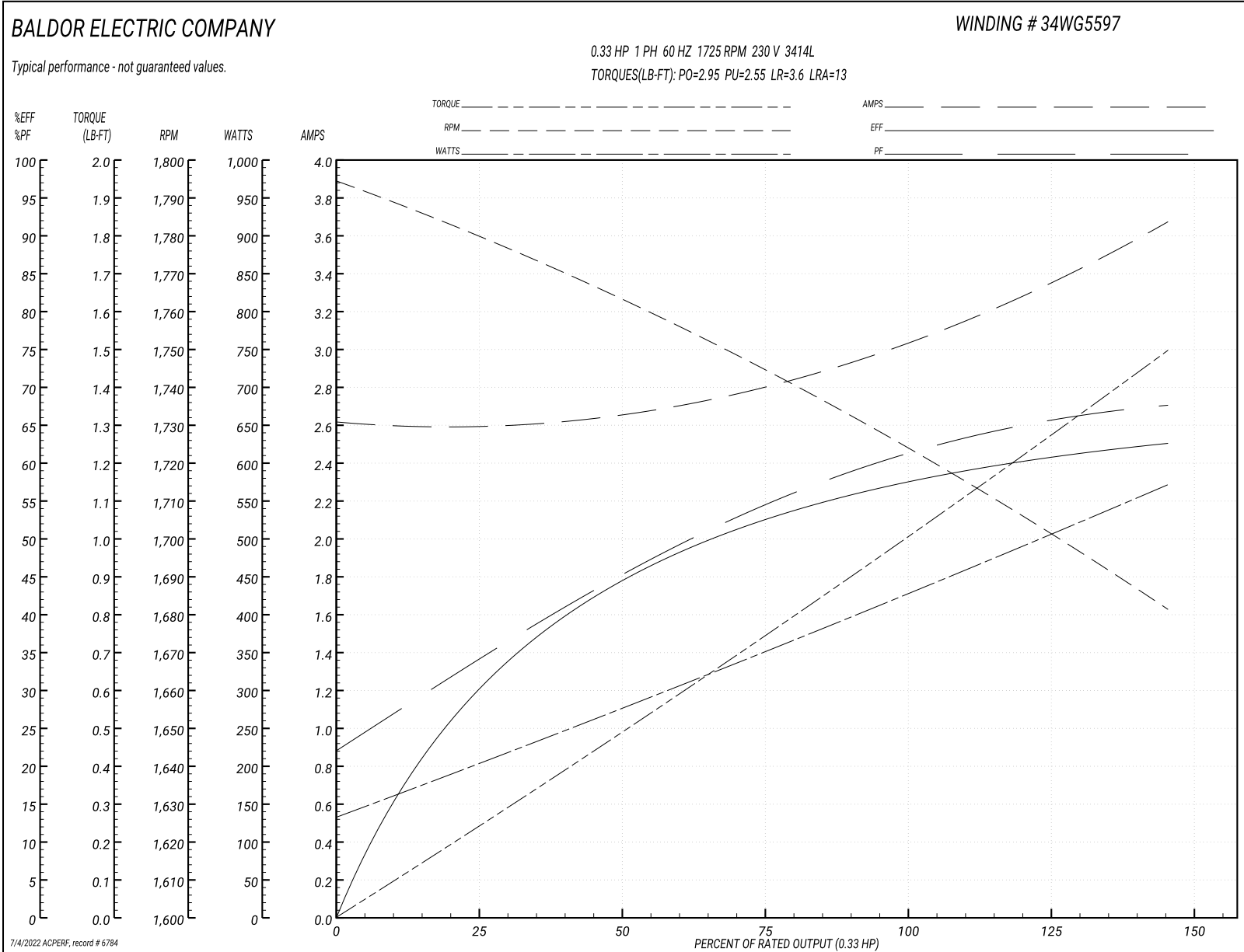
Winding: 34WG5597-R001		Type: 3414L	Enclosure: TEFC
<b>Nameplate Data</b>		<b>230 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	.33	Full Load Torque	1 LB-FT
Volts	115/230	Start Configuration	direct on line
Full Load Amps	6/3	Breakdown Torque	2.95 LB-FT
R.P.M.	1725	Pull-up Torque	2.55 LB-FT
Hz	60 Phase 1	Locked-rotor Torque	3.6 LB-FT
NEMA Design Code	N KVA Code L	Starting Current	13 A
Service Factor (S.F.)	1.35	No-load Current	2.6 A
NEMA Nom. Eff.	60 Power Factor 60	Line-line Res. @ 25°C	6.32 Ω A Ph 4.93 Ω B Ph
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	59°C
S.F. Amps	6.8/3.4	Temp. Rise @ S.F. Load	73°C

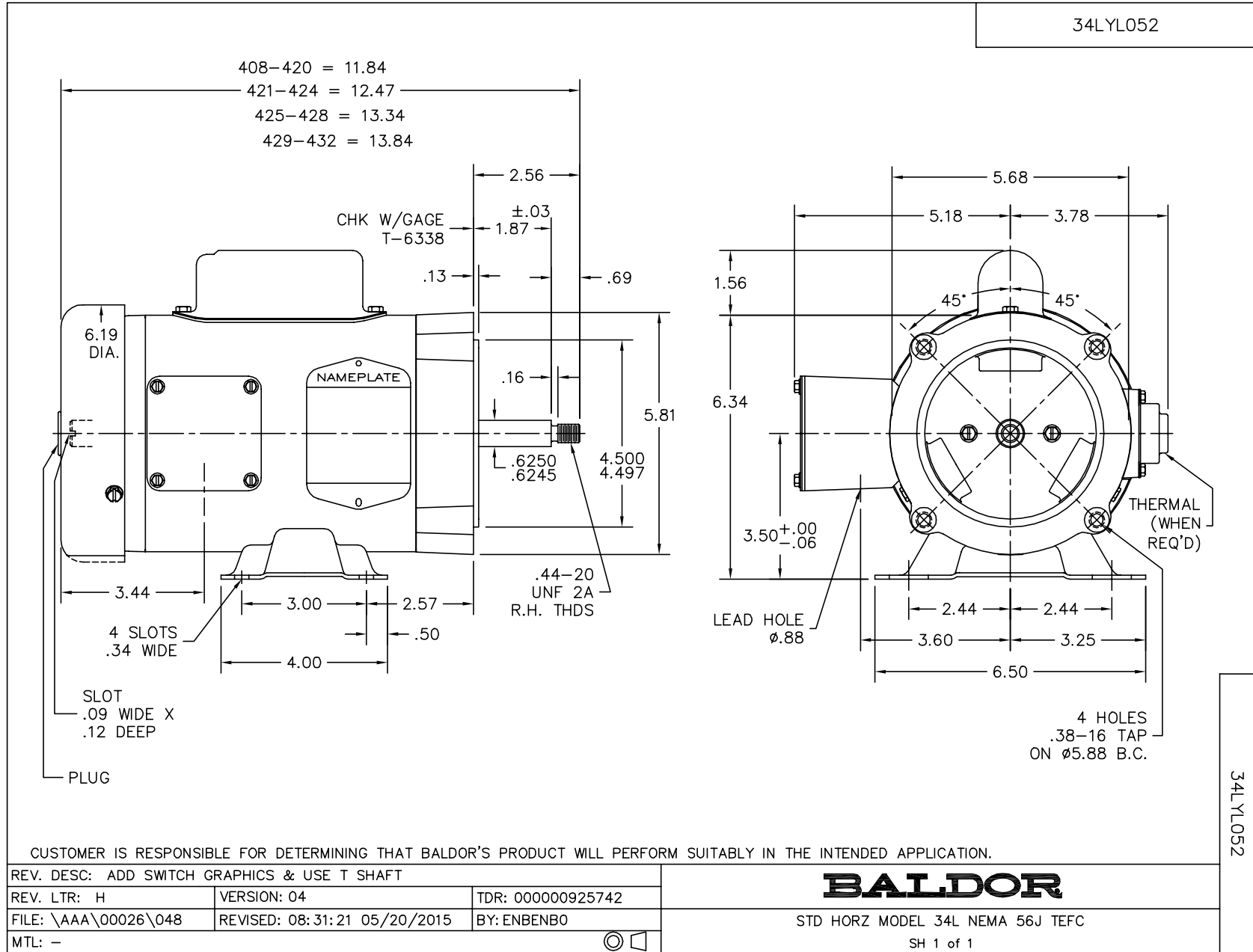
**Load Characteristics 230 V, 60 Hz, 0.33 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	41	52	60	67	73	71
Efficiency	33	41	52	60	61.5	61.5	61.5
Speed	1780	1760	1745	1725	1705	1680	1690
Line amperes	2.6	2.7	2.8	3	3.3	3.7	3.4

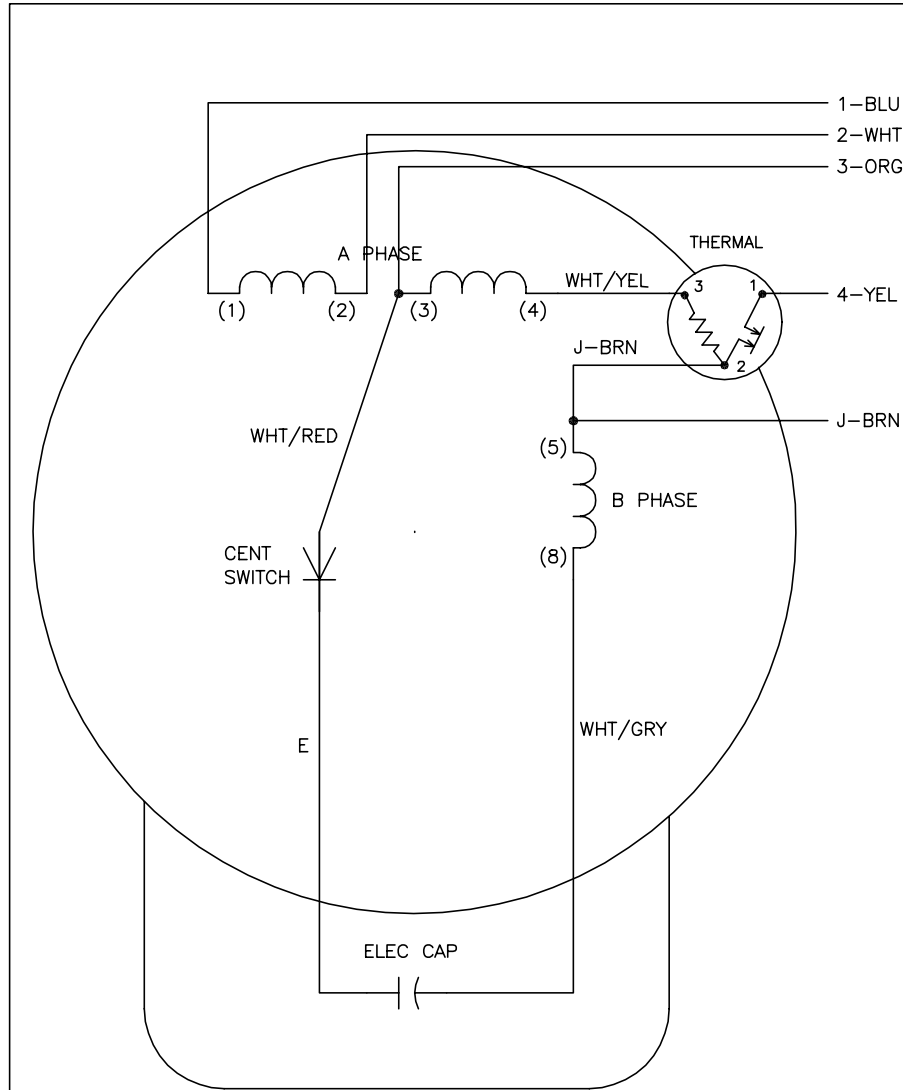


Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0094



	LINE A	LINE B	JOIN	JOIN
HIGH	1	4	2,3	J
LOW	1,3	4	2,J	-

NOTES:

1. CONNECTIONS ARE SHOWN FOR CCW ROTATION FACING END OPPOSITE SHAFT EXTENSION (STD). FOR CW ROTATION, INTERCHANGE 5 AND 8 INTERNALLY.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: E	VERSION: 01	TDR: 000000373039
CD0094	FILE: \AAA\00007\476	REVISED: 11:12:36 08/11/2005
	MTL: -	BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE L, DV, FIX, THERMAL, 5 LEAD

CD0094