BALDOR® • RELIANCE

Product Information Packet

L1321TM

1.5HP,1725RPM,1PH,60HZ,145T,3535L,OPEN,F

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Part Detail

Revision:	M	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	35WGW335	**CD Diagram:**	CD0269	**Mfg Plant:**	
Mech. Spec:	35DD001	**Layout:**	35LYDD001	**Poles:**	04	**Created Date:**	12-22-2009
Base:	RG	**Eff. Date:**	08-21-2017	**Leads:**	4#14 A&J,2#18 B PH,1#12 #4TH		

Specs

Catalog Number:	L1321TM	**Insulation Class:**	F
Enclosure:	OPEN	**Inverter Code:**	Not Inverter
Frame:	145T	**KVA Code:**	M
Frame Material:	Steel	**Lifting Lugs:**	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	4 @ 14 AWG, A&J
Voltage @ Frequency:	115.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	208.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	230.0 V @ 60 HZ	**Motor Type:**	3535L
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	64
Agency Approvals:	UR	**Product Family:**	General Purpose
	CSA	**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)	**Shaft Extension Location:**	Pulley End
Blower:	None	**Shaft Ground Indicator:**	No Shaft Grounding

Current @ Voltage:	10.500 A @ 230.0 V	**Shaft Rotation:**	Reversible
	21.000 A @ 115.0 V	**Shaft Slinger Indicator:**	No Slinger
	9.600 A @ 208.0 V	**Speed Code:**	Single Speed
Design Code:	L	**Motor Standards:**	NEMA
Drip Cover:	No Drip Cover	**Starting Method:**	Direct on line
Duty Rating:	CONT	**Thermal Device - Bearing:**	NONE (OLD)
Electrically Isolated Bearing:	Not Electrically Isolated	**Thermal Device - Winding:**	Do Not Use
Feedback Device:	NO FEEDBACK	**Vibration Sensor Indicator:**	No Vibration Sensor
Front Face Code:	Standard	**Winding Thermal 1:**	Manual Thermal Overload
Front Shaft Indicator:	None	**Winding Thermal 1 Location:**	SB
Heater Indicator:	No Heater	**Winding Thermal 2:**	None

Nameplate NP1257L

CAT.NO.	L1321TM						
SPEC.	35DD001W335						
HP	1.5						
VOLTS	115/208-230						
AMP	21/9.6-10.5						
RPM	1725						
FRAME	145T	HZ	60	PH	1		
SER.F.	1.15	CODE	M	DES	L	CL	F
NEMA-NOM-EFF	70	PF	64				
RATING	40C AMB-CONT						
CC		USABLE AT 208V					
DE	6205	ODE	6203				
ENCL	OPEN	SN					

Parts List

Part Number	Description	Quantity
SA189066	SA 35DD001W335	1.000 EA
RA176785	RA 35DD001W335	1.000 EA
EC1850A06SP	ELEC CAP 115V 2.0 X 4.3 X	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	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
35EP3209A00	MASTER ODE,203 BRG,GRSR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
SP1006A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3210A00	MASTER DE,205 BRG,1.000SH,GRSR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA

Parts List (continued)

Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories

Part Number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 61637 - Typical performance - not guaranteed values

Winding: 35WGW335-R004	**Type:** 3535L	**Enclosure:** OPEN

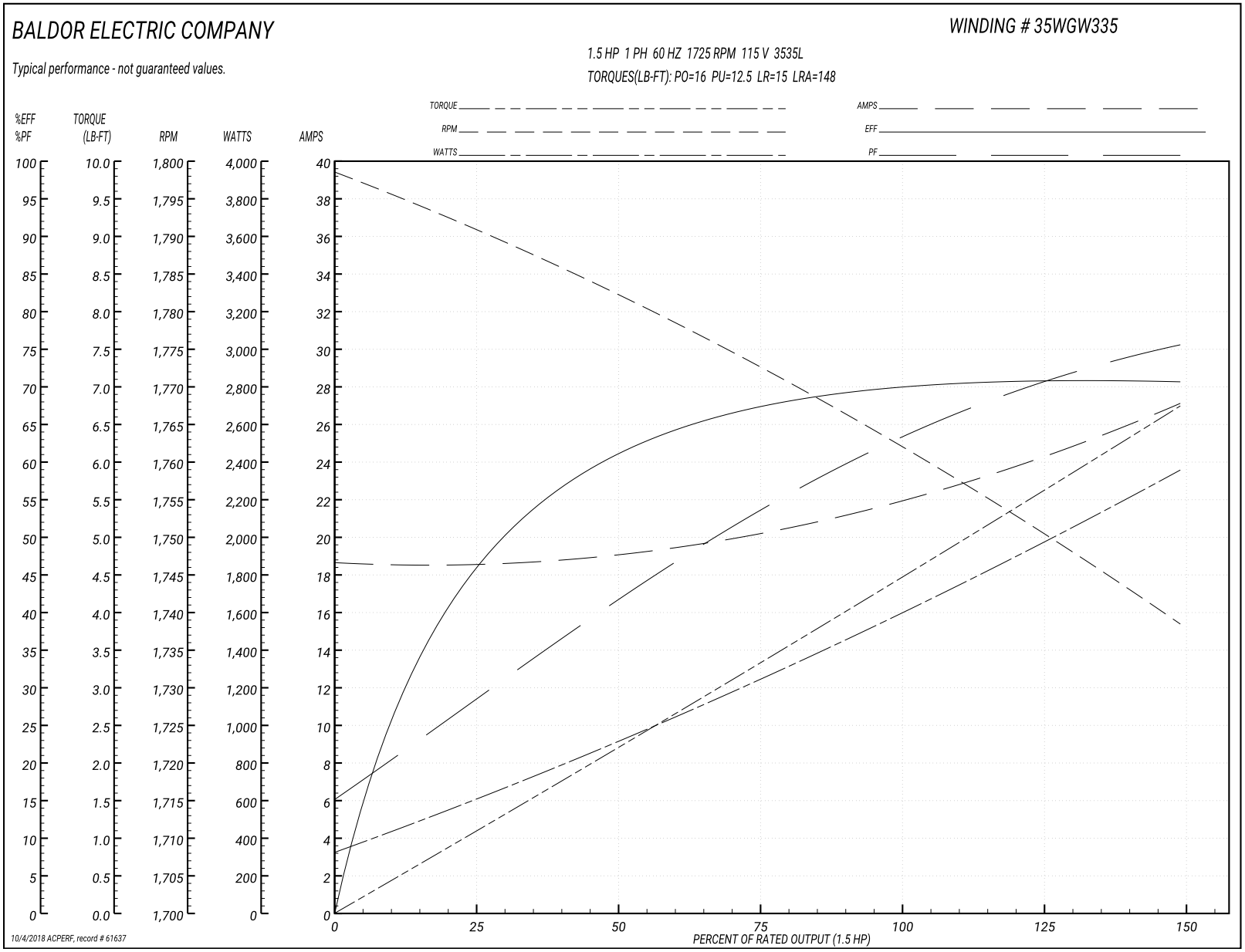
Nameplate Data			
Rated Output (HP)	1.5		
Volts	115/208-230		
Full Load Amps	21/9.6-10.5		
R.P.M.	1725		
Hz	60	Phase	1
NEMA Design Code	L	KVA Code	M
Service Factor (S.F.)	1.15		
NEMA Nom. Eff.	70	Power Factor	64
Rating - Duty	40C AMB-CONT		
S.F. Amps			

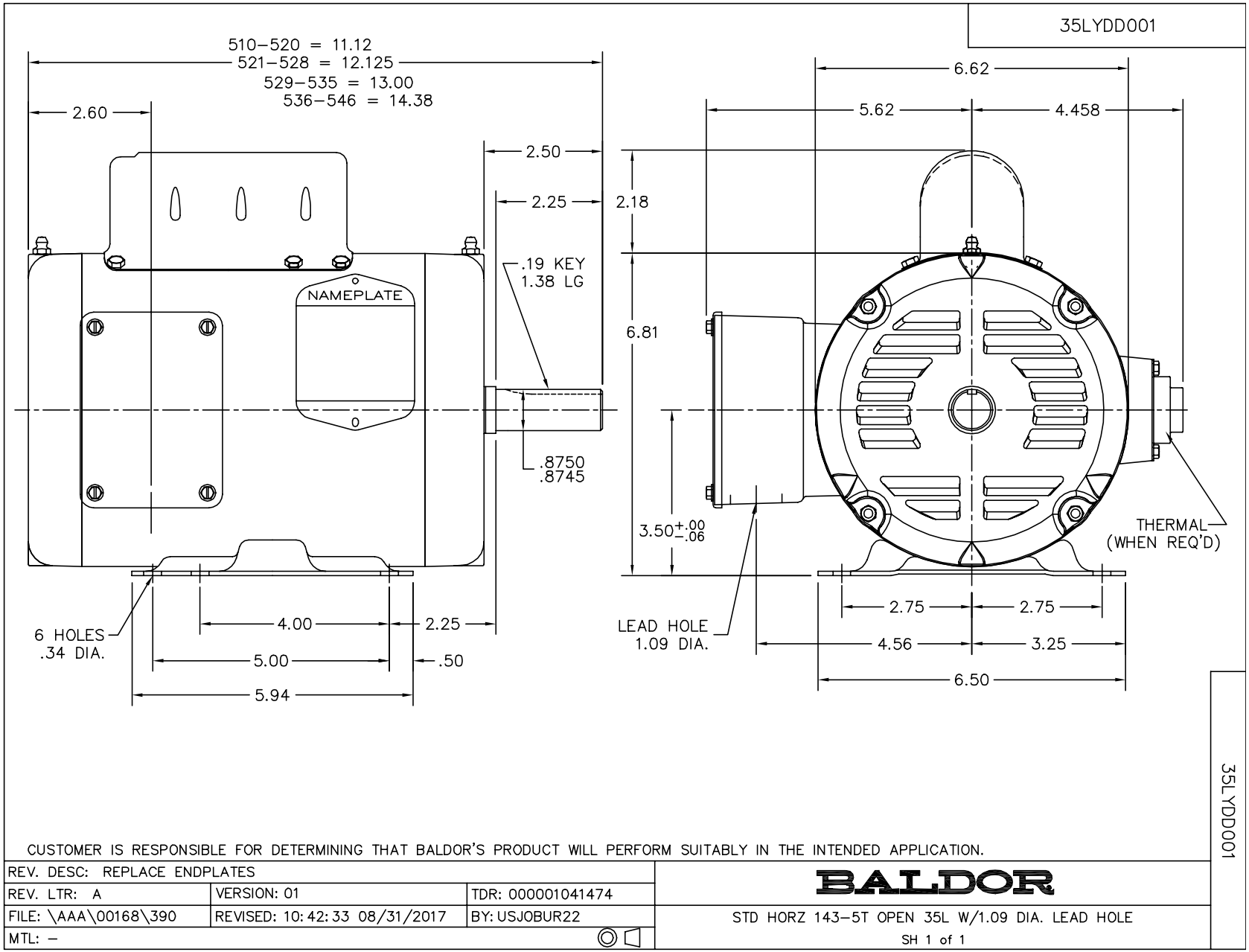
115 V, 60 Hz: Low Voltage Connection	
Full Load Torque	4.5 LB-FT
Start Configuration	direct on line
Breakdown Torque	16 LB-FT
Pull-up Torque	12.5 LB-FT
Locked-rotor Torque	15 LB-FT
Starting Current	148 A
No-load Current	18.6 A
Line-line Res. @ 25ºC	0.326 Ω A Ph 1.05 Ω B Ph
Temp. Rise @ Rated Load	60°C
Temp. Rise @ S.F. Load	66°C
Locked-rotor Power Factor	88.8
Rotor inertia	0.208 LB-FT2

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	42	54	64	71	76	68
Efficiency	46.5	60.8	67.8	70.1	71.1	70.5	70.7
Speed	1790	1782	1772	1762	1751	1738	1755
Line amperes	18.6	19.2	20.2	22	24.2	27.2	23.3

Performance Graph at 115V, 60Hz, 1.5HP Typical performance - Not guaranteed values





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

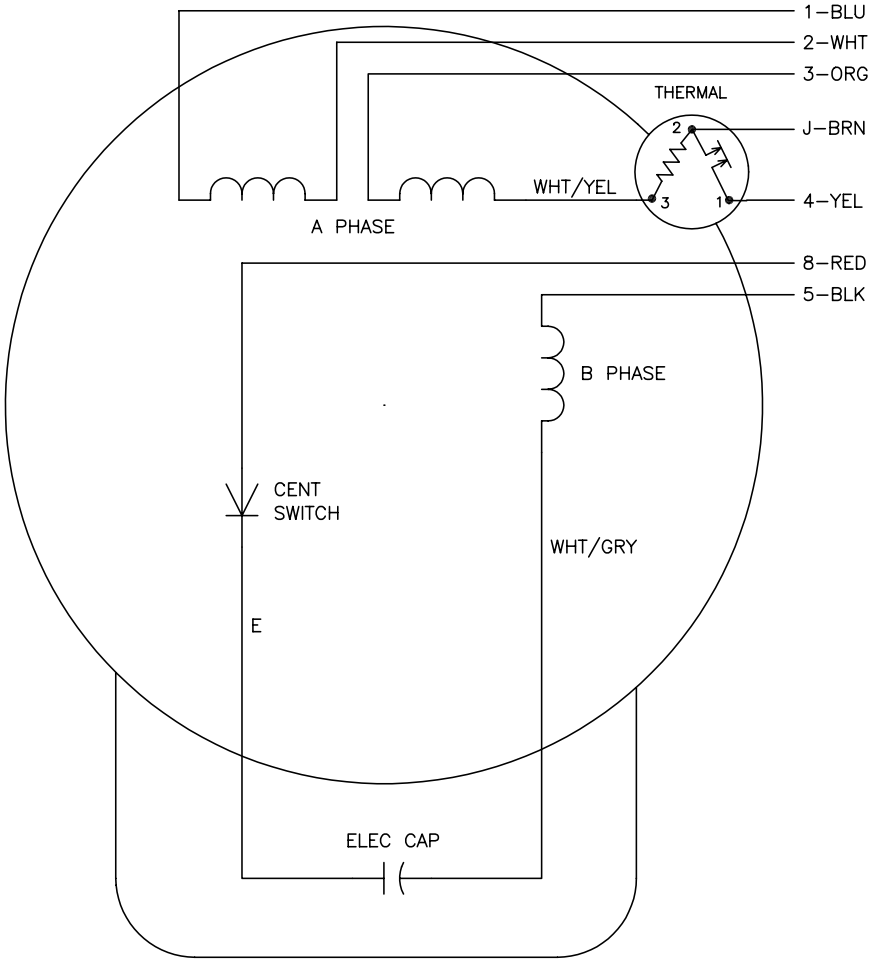
REV. DESC: REPLACE ENDPLATES		
REV. LTR: A	VERSION: 01	TDR: 000001041474
FILE: \AAA\00168\390	REVISED: 10:42:33 08/31/2017	BY: USJOBUR22
MTL: –		

BALDOR

STD HORZ 143–5T OPEN 35L W/1.09 DIA. LEAD HOLE

SH 1 of 1

CD0269



	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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 04/08/99 1:07	TDR: 0178636
CD0269		FILE: AAA00007421	MDL: –
		MTL: –	

BALDOR ELECTRIC Co.

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

CD0269