ABB BALDOR RELIANCE

Customer information packet

10142

850/3450RPM, 3PH, 50/60HZ, 42C, 3313M

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11/19/2026 7:36:17 AM

Specifications

Enclosure	TEFC
Frame	42C
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	.170 HP @ 50 HZ
	.170 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	230.0 V @ 50 HZ
	208.0 V @ 60 HZ
	208.0 V @ 50 HZ
	460.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	.730 A @ 208.0 V
	.660 A @ 230.0 V
	.330 A @ 460.0 V
	.330 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	56.0 %

Part Detail

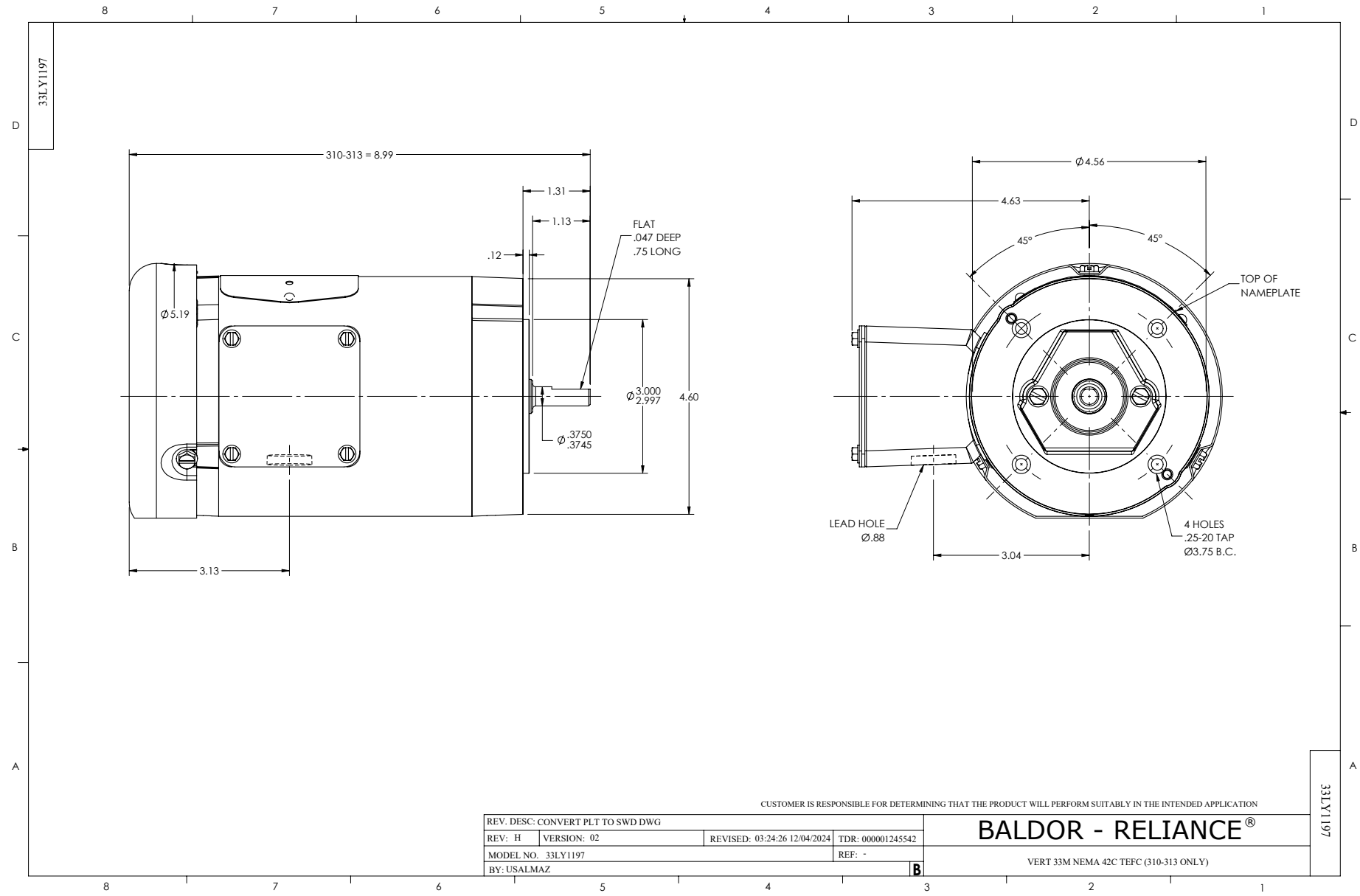
Revision	AS
Type	AC
Mech. spec.	33-1197
Base	
Status	PRD/A
Elec. spec.	33WG1190
Layout	33LY1197
Eff. date	02-08-2024
CD Diagram	CD0005A05
Poles	02
Leads	9#18
Proprietary	False
Created date	06-25-2007

Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Feedback Signal	NONE
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3313M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	9.00 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2850 rpm

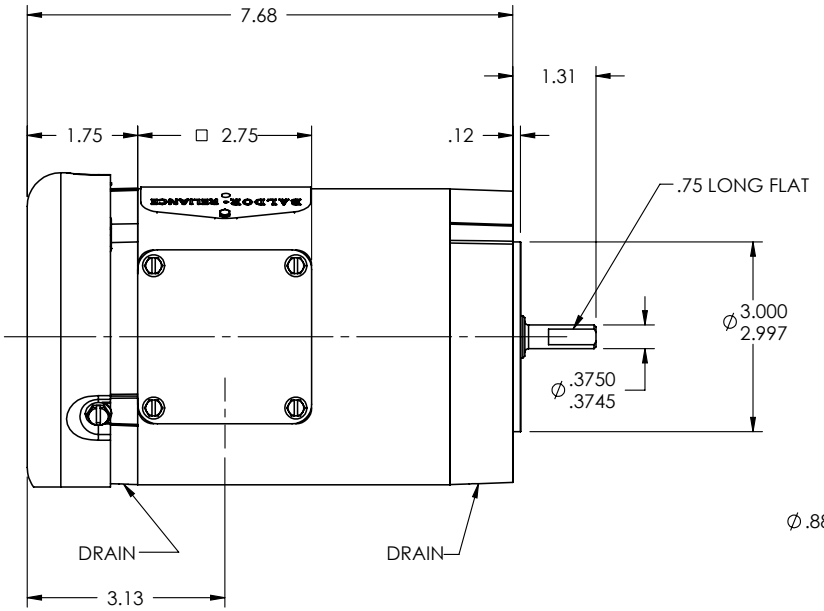
	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

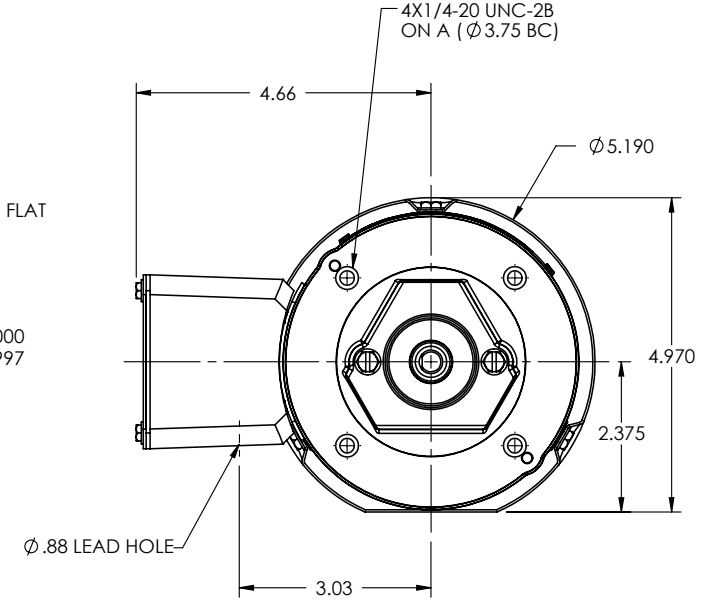
Nameplate

NP1256L									
CAT.NO.	10142								
SPEC.	33-1197-1190								
HP	.17								
VOLTS	208-230/460								
AMP	.66-.60/.30								
RPM	3450//2850								
FRAME	42C	**HZ**	60//50			**PH**	3		
SER.F.	1.00	**CODE**	N	**DES**	B	**CLASS**	B		
NEMA-NOM-EFF	56	**PF**	68						
RATING	40C AMB-CONT								
CC									
DE	6203	**ODE**	6203						
ENCL	TEFC	**SN**							


33LY1197
310-313 = 8.99
1.31
1.13
.12
FLAT
.047 DEEP
.75 LONG
Ø5.19
Ø3.000
2.997
4.60
Ø.3750
.3745
3.13
Ø4.56
4.63
45°
45°
TOP OF
NAMEPLATE
LEAD HOLE
Ø.88
3.04
4 HOLES
.25-20 TAP
Ø3.75 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT PLT TO SWD DWG
REV: H
VERSION: 02
REVISED: 03:24:26 12/04/2024
TDR: 000001245542
MODEL NO. 33LY1197
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
VERT 33M NEMA 42C TEFC (310-313 ONLY)
33LY1197

33-1197-1190





NOTE:
1.) PACK WARNING LABEL & CONNECTION LABEL
IN POLYBAG WITH MOTOR.

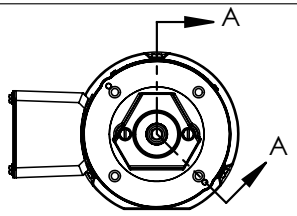
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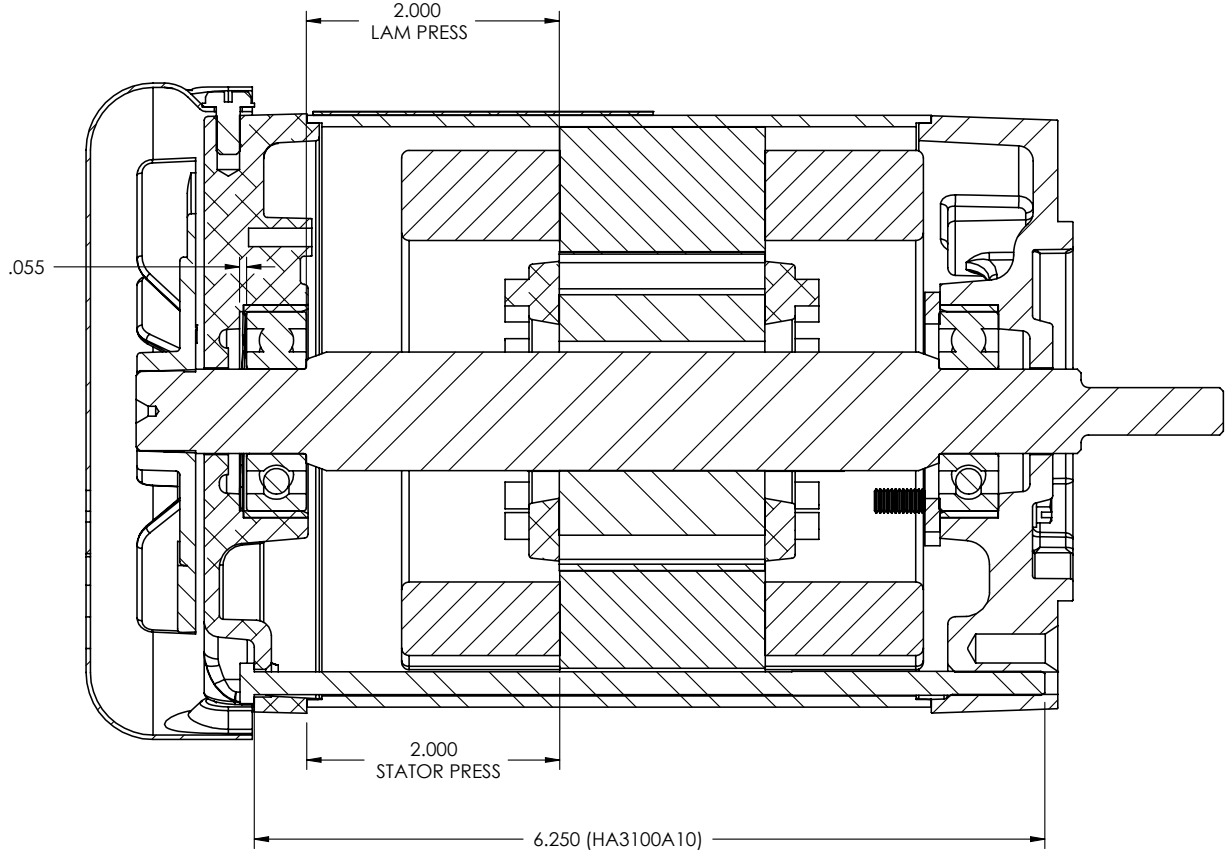
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REV: A	VERSION: 01	REVISED: 02:24:57 05/23/2011	TDR: 000000596304
33-1197-1190	MODEL NO. 33-1197		REF:
	BY: CKAPRB0		

BALDOR ELECTRIC Co.

LY,33M MTR RSB 42C TEFC

33-1197-1190





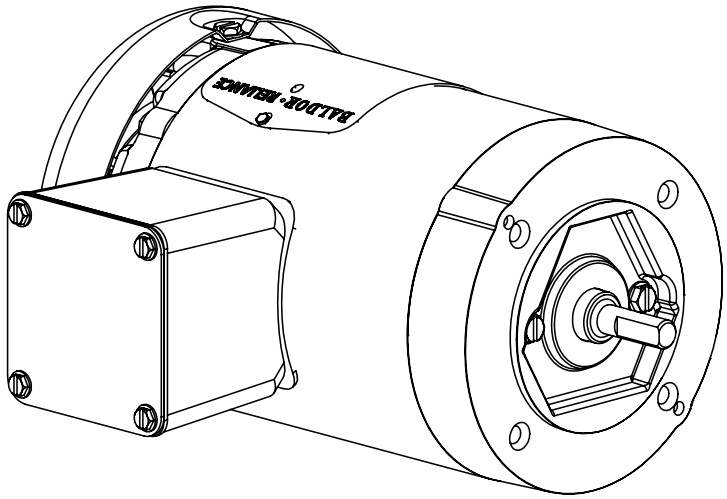
SECTION A-A

33-1197-1190

REV. DESC: SHOW TEXT ON NP				**BALDOR ELECTRIC Co.**
REV: A	VERSION: 01	REVISED: 02:24:57 05/23/2011	TDR: 000000596304	
33-1197-1190	MODEL NO. 33-1197		REF:	LY,33M MTR RSB 42C TEFC
	BY: CKAPRB0	Material:		

ITEM NO.	PART NUMBER	33-1197-1190/QTY.
1	33EP3300A22	1
2	SKF - 6203 - 10,DE,NC,10_68	2
3	RB4003A01	1
4	51XN1032A20	2
5	33SH2577J01	1
6	34RC2013-00	1
7	33SB0057J00	1
8	33EP3100A01	1
9	HA3100A10	2
10	34GS1029	1
11	34CB3002	1
12	51XB1016A07	2
13	11XW1032G06	1
14	HA5100A03	1
15	34GS1031A01	1
16	34CB4517	1
17	51XW0832A07	4
18	51XW1032A06	3
19	33FN3000	1
20	12XN0832A16	1
21	HW1003A08	1
22	XY0832A02	1
23	33FH4001A01	1
24	NP1256	1
25	99XM0440S01	2

33-1197-1190



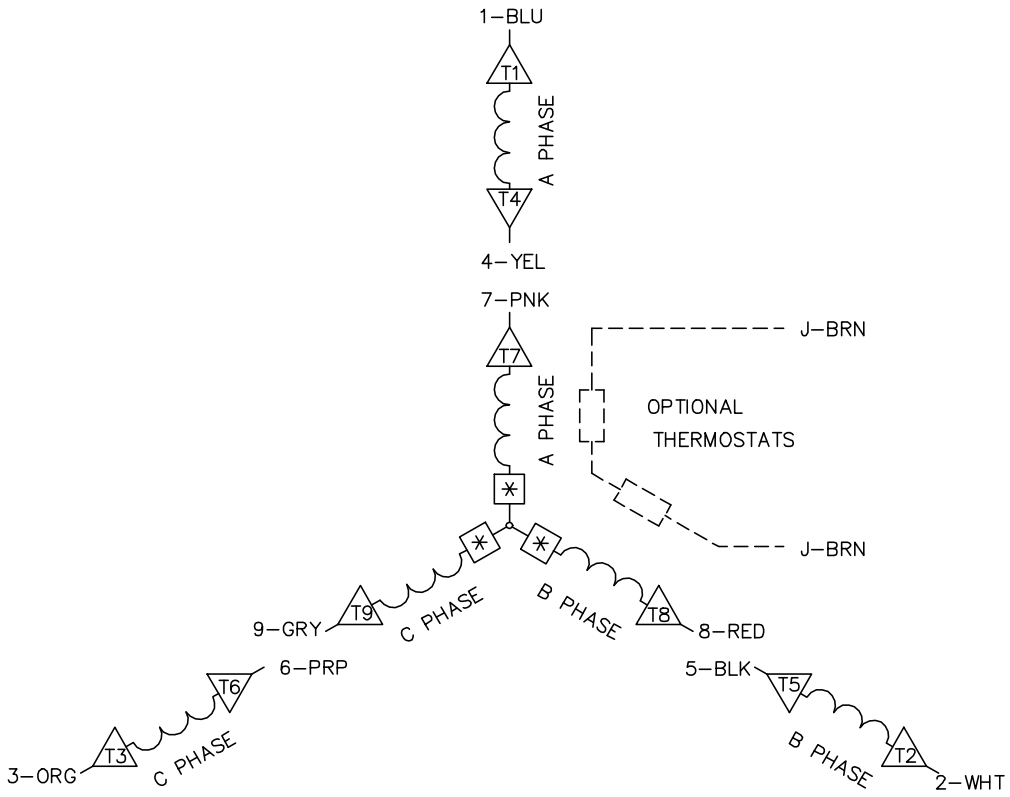
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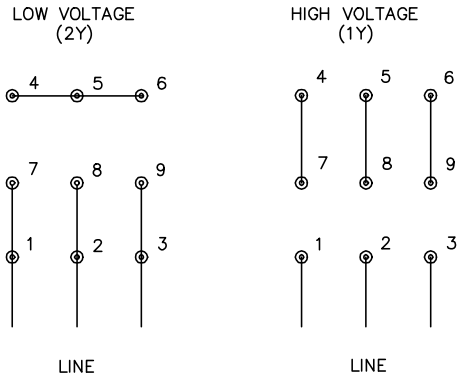
REV. DESC: SHOW TEXT ON NP			
REV: A	VERSION: 01	REVISED: 02:24:57 05/23/2011	TDR: 000000596304
33-1197-1190	MODEL NO. 33-1197		REF:
	BY: CKAPRB0	Material:	

BALDOR ELECTRIC Co.

LY,33M MTR RSB 42C TEFC

CD0005A05





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
5. (#) =MAGNET WIRE COIL END WITH I.D. NUMBER.
6. [*] =MAGNET WIRE COIL END WITH I.D. SYMBOL.
7. SEE CW PRINT FOR NEST TO NEST CROSSOVER CONNECTIONS.

CD0005A05

REV. DESC: ADD NEST NOTE			BALDOR • DODGE • RELIANCE
REV. LTR: C	VERSION: 03	TDR: 000000445597	
CD0005A05	FILE: \CKA\00024\847	REVISED: 12:51:06 11/15/2007	3PH, DV, 9 LEADS, CK
	MTL: –	BY: CKMICRO	