ABB BALDOR RELIANCE

Customer information packet

EJMM3312T-5

10HP, 3475RPM, 3PH, 60HZ, 213JM, 3728M, OPSB, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	213JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	NEMA PREMIUM
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	9.600 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.6 a

Part Detail

Revision	K
Type	AC
Mech. spec.	37F696
Base	
Status	PRD/A
Elec. spec.	37WGR271
Layout	37LYF696
Eff. date	06-10-2026
CD Diagram	CD0006
Poles	02
Leads	3#14
Proprietary	False
Created date	11-11-2015

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3728M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.19 IN
Power Factor	86
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3475 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

NP1259L									
CAT.NO.	EJMM3312T-5								
SPEC.	37F696R271G1								
HP	10								
VOLTS	575								
AMP	9.6								
RPM	3475								
FRAME	213JM	**HZ**	60				**PH**	3	
SER.F.	1.15	**CODE**	H	**DES**	B	**CL**	F		
NEMA-NOM-EFF	89.5	**PF**	86						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6206						
ENCL	OPSB	**SN**							

Parts List

Part number	Description	Quantity
SA310398	SA 37F696R271G1	1.000 ea
RA297784	RA 37F696R271G1	1.000 ea
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 ea
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 ea
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 ea
HA1104A01	RODENT SCREEN 37 FRAME 206 BRG FRONT END	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3401A04	PUEP OPEN 309 BRG NO BAFFLE	1.000 ea
HA1222	RODENT SCREEN - 37 C-FACE MOTORS	4.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	2.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW4600A73	SLINGER 1.748 X 2.375 X 0.250 FACE SEAL	1.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.028 ga
HA3104A39	THRUBOLT-5/16-18 X 12.250	4.000 ea
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	1.000 ea
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	1.000 ea

LC0006	CONNECTION LABEL	1.000 ea
NP1259L	ALUM SUPER-E UL CC NEMA PREMIUM A60	1.000 ea
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
PE-0000004	ZRTG PE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
FE-0000004	ZRTG FE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data
Record # 61341
Typical performance - not guaranteed values

Winding: 37WGR271-R003	**Type:** 3728M	**Enclosure:** OPSB

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	15 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			9.6	**Breakdown Torque**	51.2 LB-FT
R.P.M.			3475	**Pull-up Torque**	25.7 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	30.1 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	63.6 A
Service Factor (S.F.)			1.15	**No-load Current**	3.68 A
NEMA Nom. Eff.	89.5	**Power Factor**	86	**Line-line Res. @ 25ºC**	1.52 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	29°C
S.F. Amps				**Temp. Rise @ S.F. Load**	36°C
				Locked-rotor Power Factor	35.5
				Rotor inertia	0.255 LB-FT2

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	52	74	82	86	88	89	87
Efficiency	84.2	89.5	90.5	90.1	89	87.7	89.4
Speed	3578	3553	3526	3493	3459	3423	3473
Line amperes	4.29	5.66	7.54	9.64	11.9	14.4	11

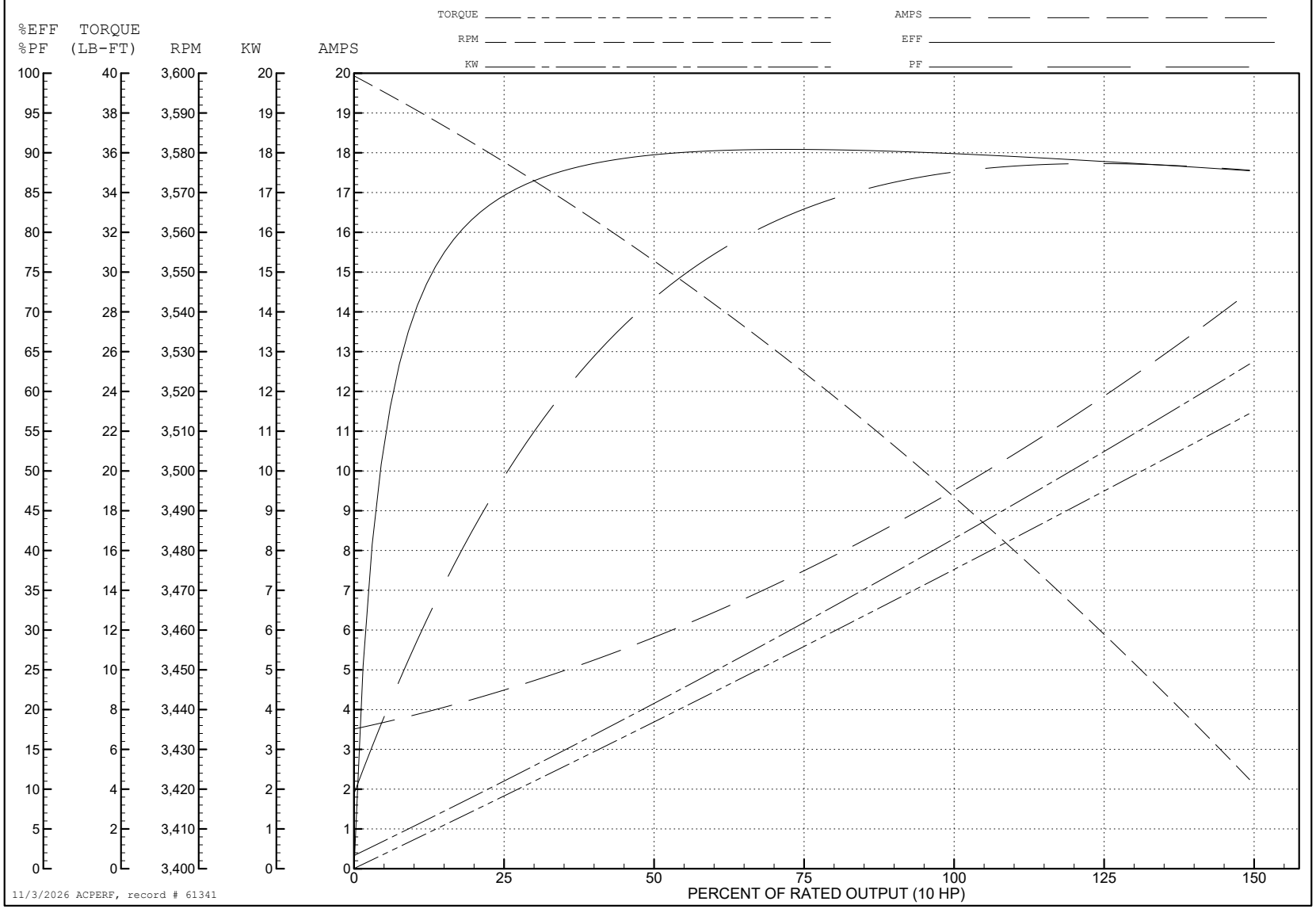
ABB Motors and Mechanical Inc.

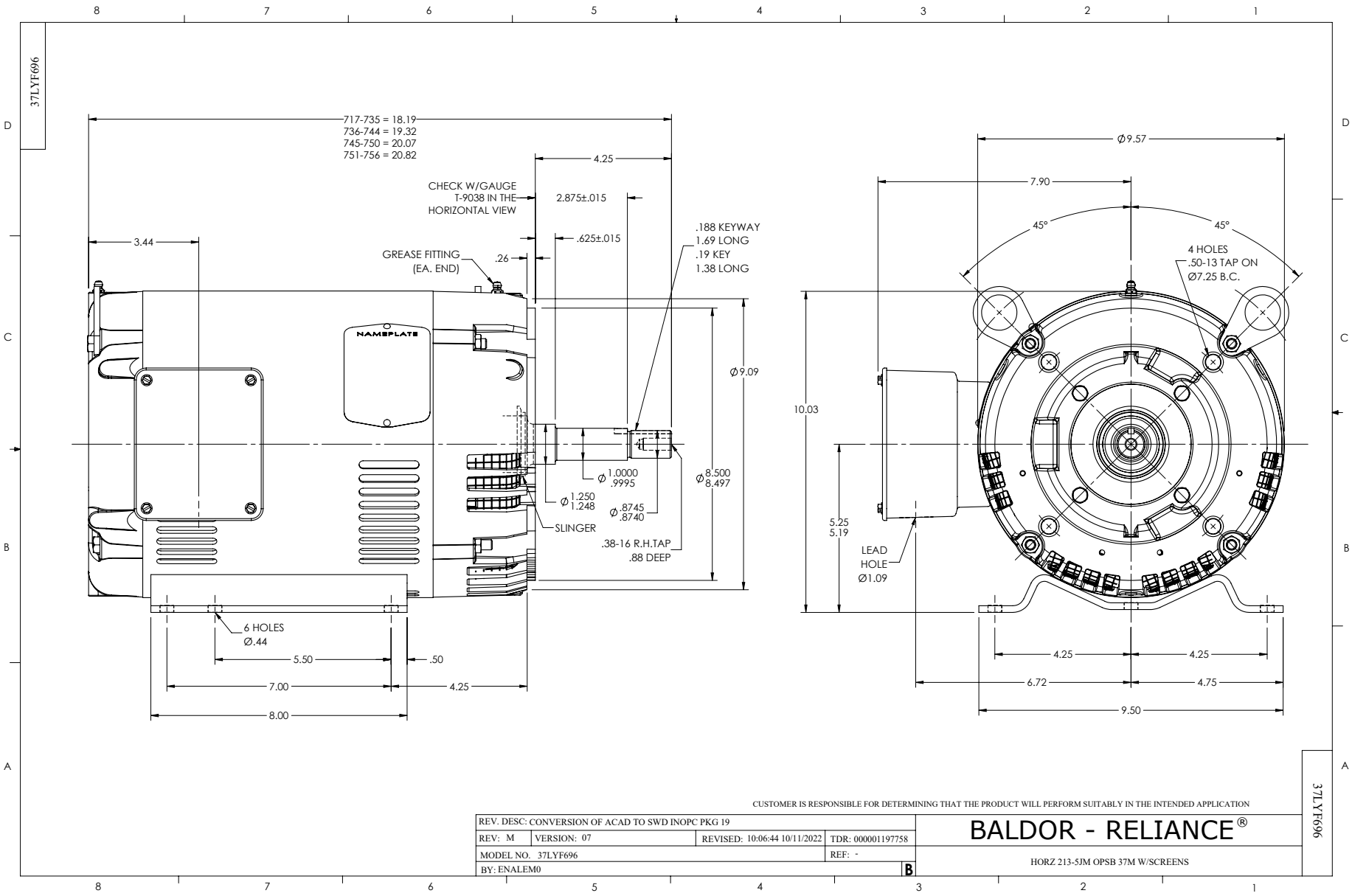
WINDING # 37WGR271

10 HP 3 PH 60 HZ 3475 RPM 575 V 3728M

Typical performance - not guaranteed values.

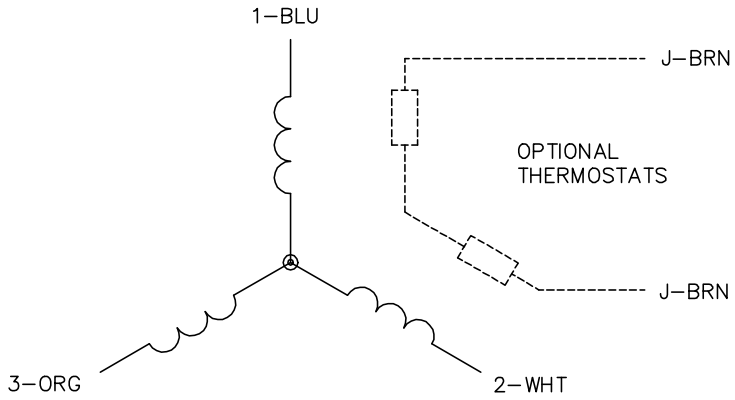
TORQUES(LB-FT): PO=51.2 PU=25.7 LR=30.1 LRA=63.6

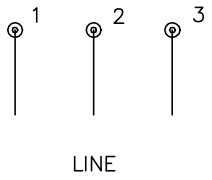



37LYF696
717-735 = 18.19
736-744 = 19.32
745-750 = 20.07
751-756 = 20.82
4.25
CHECK W/GAUGE
T-9038 IN THE
HORIZONTAL VIEW
2.875±.015
.625±.015
.188 KEYWAY
1.69 LONG
.19 KEY
1.38 LONG
3.44
GREASE FITTING
(EA. END)
.26
NAMEPLATE
Ø9.09
Ø 1.0000
.9995
Ø 8.500
8.497
Ø 1.250
1.248
Ø .8745
.8740
SLINGER
.38-16 R.H.TAP
.88 DEEP
6 HOLES
Ø.44
5.50
.50
7.00
4.25
8.00
Ø9.57
7.90
45°
45°
4 HOLES
.50-13 TAP ON
Ø7.25 B.C.
10.03
5.25
5.19
LEAD
HOLE
Ø1.09
4.25
4.25
6.72
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: M
VERSION: 07
REVISED: 10:06:44 10/11/2022
TDR: 000001197758
MODEL NO. 37LYF696
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 213-5JM OPSB 37M W/SCREENS
37LYF696

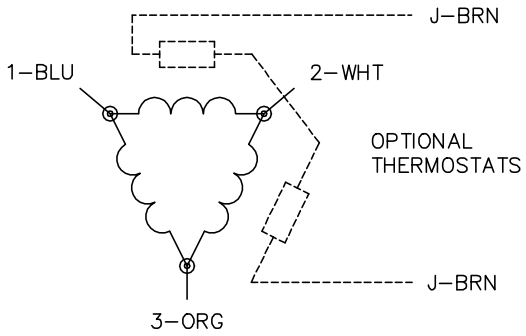
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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