ABB BALDOR RELIANCE

Customer information packet

EM3218T-5BG

5HP, 1750RPM, 3PH, 60HZ, 184T, 3640M, OPSB, F1
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/2/2026 2:37:07 PM

Specifications

Enclosure	OPSB
Frame	184T
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	CSA EEV
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	5.300 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	5.3 a
Insulation Class	H

Part Detail

Revision	P
Type	AC
Mech. spec.	36Q133
Base	
Status	PRD/A
Elec. spec.	36WGS594
Layout	36LYQ133
Eff. date	09-18-2025
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	09-22-2014

Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 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.	EM3218T-5BG								
SPEC.	36Q133S594G1								
HP	5								
VOLTS	575								
AMP	5.3								
RPM	1750								
FRAME	184T		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	J	**DES**	B	**CL**	H		
NEMA-NOM-EFF	89.5	**PF**	80						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		**ODE**	6205					
ENCL	OPSB	**SN**							

Parts List

Part number	Description	Quantity
SA287456	SA 36Q133S594G1	1.000 ea
RA273669	RA 36Q133S594G1	1.000 ea
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	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
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP3204B00	MASTER ODE,205 BRG,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP3205C00	MASTER DE,206 BRG,1.197SH,GRSR,LCK BRG	1.000 ea
51XN2520A20	SCREW, HEX WS SLT, ZN X	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501E16	KEY, 1/4 SQ X 1.750	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
LB1508	LABEL "SHAFT GROUNDING BRUSH" 1.50 X .81	1.000 ea
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.022 ga
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 ea
36AD2009A01	BAFFLE PLATE,MOD 36-OPSB INT SHAFT GRD	2.000 ea
LC0006	CONNECTION LABEL	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
NP1259L	ALUM SUPER-E UL CC NEMA PREMIUM A60	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

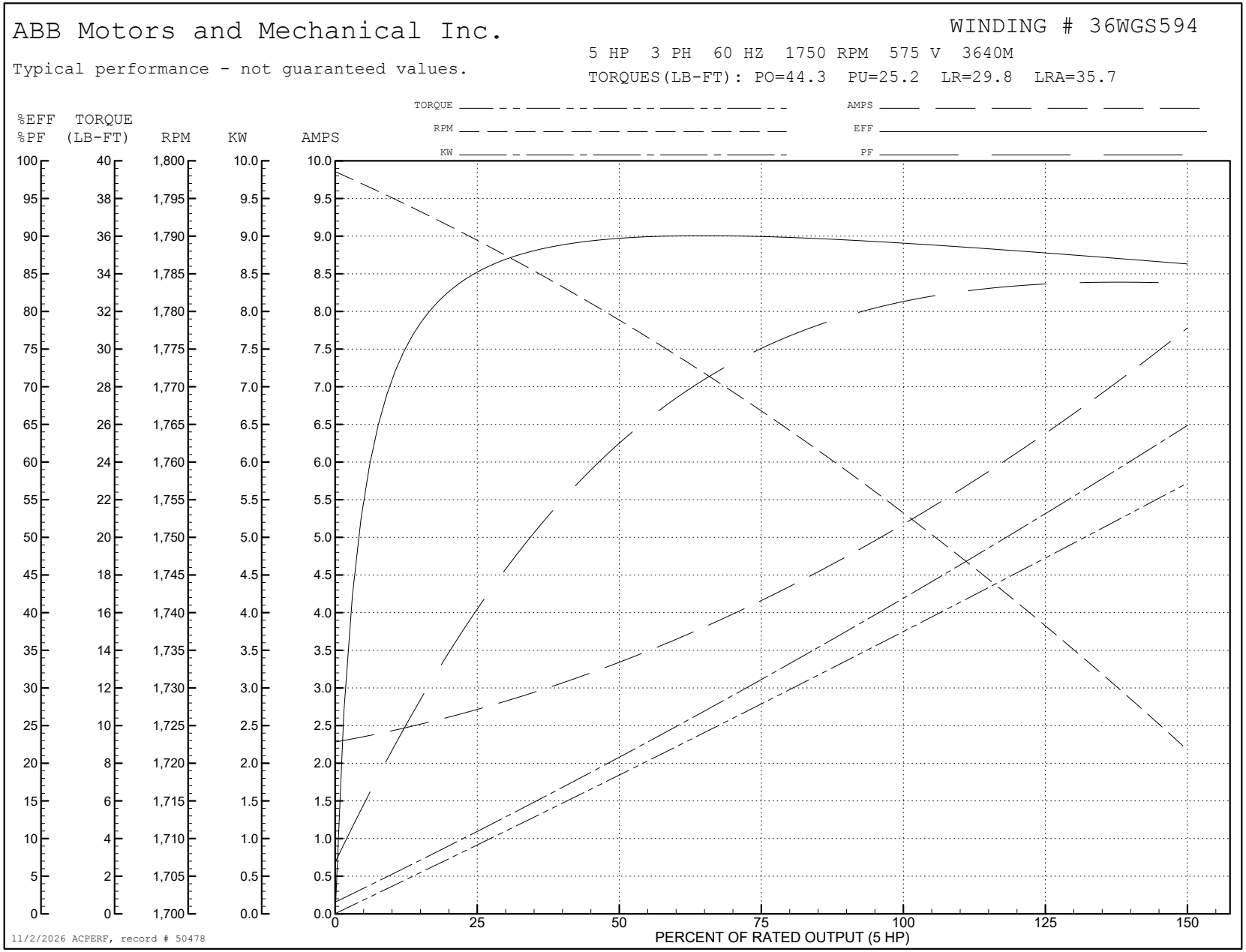
AC Induction Motor Performance Data
Record # 50478
Typical performance - not guaranteed values

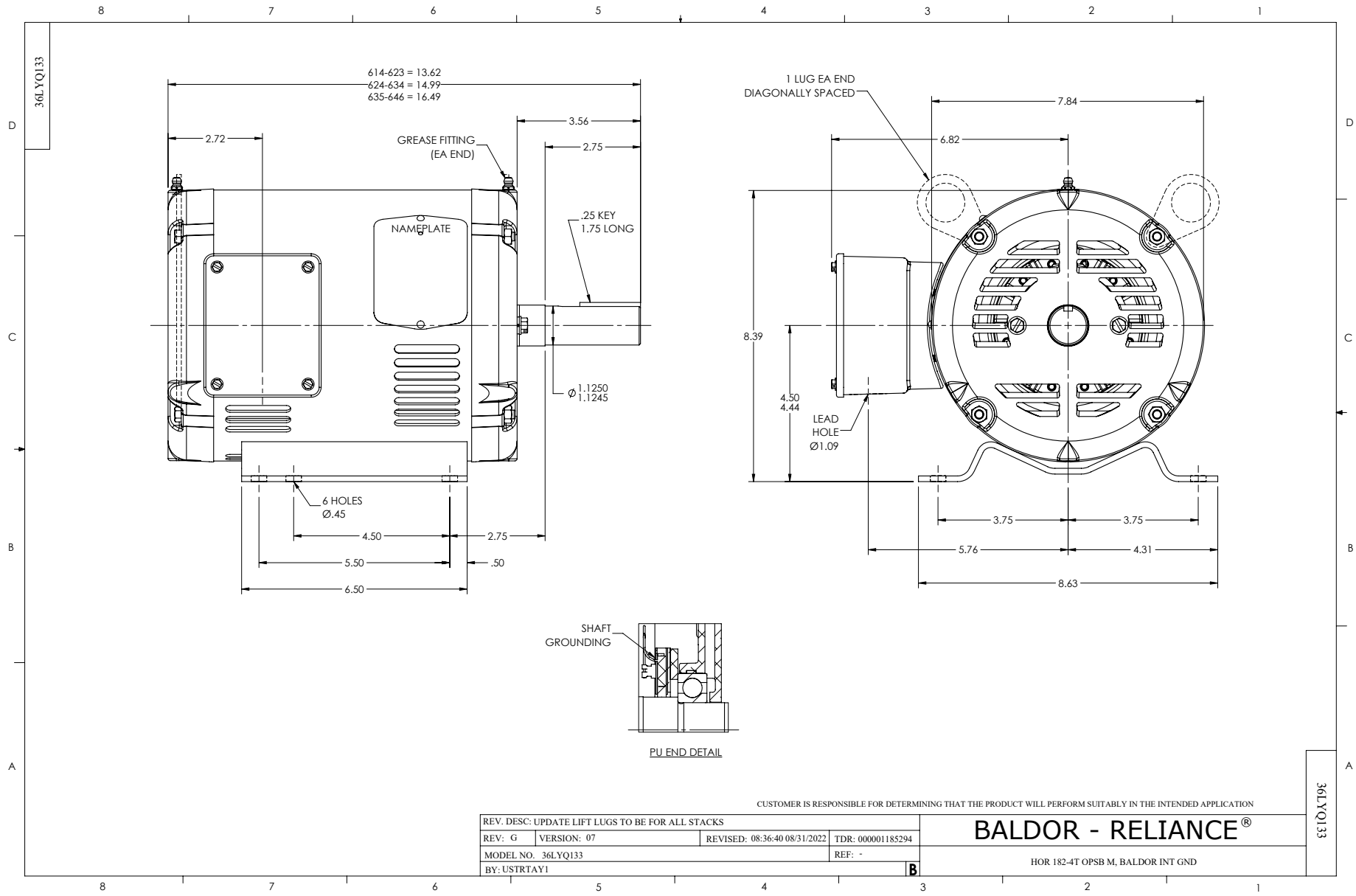
Winding: 36WGS594-R003	**Type:** 3640M	**Enclosure:** OPSB

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	15 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			5.3	**Breakdown Torque**	44.3 LB-FT
R.P.M.			1750	**Pull-up Torque**	25.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	29.8 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	35.7 A
Service Factor (S.F.)			1.15	**No-load Current**	2.35 A
NEMA Nom. Eff.	89.5	**Power Factor**	80	**Line-line Res. @ 25ºC**	4.15 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	44°C
S.F. Amps				**Temp. Rise @ S.F. Load**	54°C
				Locked-rotor Power Factor	40.8
				Rotor inertia	0.372 LB-FT2

Load Characteristics 575 V, 60 Hz, 5 HP

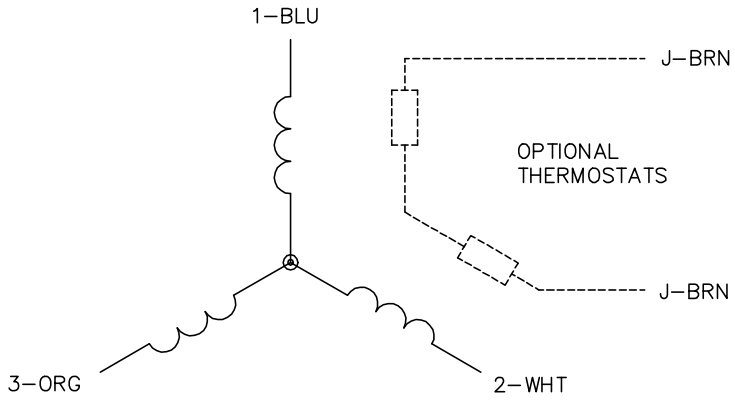
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	43	64	75	80	83	84	82
Efficiency	84.6	89.3	89.8	89.3	88.2	86.1	88.6
Speed	1789	1778	1767	1753	1739	1721	1745
Line amperes	2.64	3.29	4.19	5.26	6.43	7.74	5.96

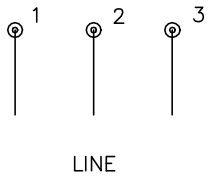

ABB Motors and Mechanical Inc.
WINDING # 36WGS594
5 HP 3 PH 60 HZ 1750 RPM 575 V 3640M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=44.3 PU=25.2 LR=29.8 LRA=35.7
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/2/2026 ACPERF, record # 50478


36LYQ133
614-623 = 13.62
624-634 = 14.99
635-646 = 16.49
2.72
3.56
2.75
GREASE FITTING
(EA END)
NAMEPLATE
.25 KEY
1.75 LONG
Ø 1.1250
1.1245
6 HOLES
Ø.45
4.50
2.75
5.50
.50
6.50
1 LUG EA END
DIAGONALLY SPACED
7.84
6.82
8.39
4.50
4.44
LEAD
HOLE
Ø1.09
3.75
3.75
5.76
4.31
8.63
SHAFT
GROUNDING
PU END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE LIFT LUGS TO BE FOR ALL STACKS
REV: G
VERSION: 07
REVISED: 08:36:40 08/31/2022
TDR: 000001185294
MODEL NO. 36LYQ133
REF: -
BY: USTRTAY1
B
BALDOR - RELIANCE®
HOR 182-4T OPSB M, BALDOR INT GND
36LYQ133

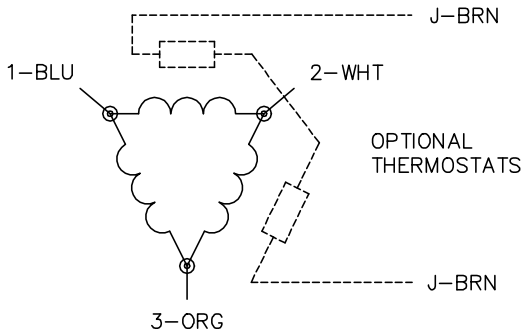
CD0006

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

SH 1 of 1