

ABB BALDOR RELIANCE III

Customer information packet

JL1307A

.75HP, 1725RPM, 1PH, 60HZ, 56J, 3428L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56J
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
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	10.200 A @ 115.0 V 5.100 A @ 230.0 V 6.000 A @ 208.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AM
Type	AC
Mech. spec.	34F156
Base	
Status	PRD/A
Elec. spec.	34WGW169
Layout	34LYF156
Eff. date	07-16-2026
CD Diagram	CD0203
Poles	04
Leads	5#18,1#14 #1TH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	5.1 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	5 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3428L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.89 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Ext Thread
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed	1725 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	Automatic Thermal Overload

Winding Thermal 1 Location

SB

Nameplate

NP1257L											
CAT.NO.	JL1307A										
SPEC.	34F156W169										
HP	.75										
VOLTS	115/230										
AMP	10.2/5.1										
RPM	1725										
FRAME	56J			HZ		60		PH		1	
SER.F.	1.25		CODE	K	DES	N	CL	B			
NEMA-NOM-EFF	68		PF	68							
RATING	40C AMB-CONT										
CC											
DE	6203		ODE	6203							
ENCL	OPEN	SN									
	SFA 11.4/5.7										

Parts List

Part number	Description	Quantity
SA005818	SA 34F156W169	1.000 ea
RA002564	RA 34F156W169	1.000 ea
EC1460A05SP	ELEC CAP, 460-552 MFD, 125V, 2.06D X 3.	1.000 ea
34EP3202A02	FR ENDPLATE, MACH	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
RM1010A12	.437 I.D. 1" VINYL CAP (SHORT) MOCAP	1.000 ea
34FH4500A02P	DRIPCOVER, MODEL 34	1.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 ea
34EP3401A01SP	PU ENDPLATE, MACH	1.000 ea
34AD2000	BAFFLE PLATE, STAMPED	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 ea
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 ea
SP5068A01	34L TERM PANEL STAT SWITCH #E-6"	1.000 ea
HA3100A21	THRUBOLT 10-32 X 9.937	4.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
LC0546	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	5.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	1.000 ea

AC Induction Motor Performance Data

Record # 6904

Typical performance - not guaranteed values

Winding: 34WGW169-R001				Type: 3428L		Enclosure: OPEN	
Nameplate Data				230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.75		Full Load Torque		2.25 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		10.2/5.1		Breakdown Torque		5.5 LB-FT	
R.P.M.		1725		Pull-up Torque		4.5 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		9.5 LB-FT	
NEMA Design Code		N	KVA Code	K	Starting Current		31 A
Service Factor (S.F.)		1.25		No-load Current		3.9 A	
NEMA Nom. Eff.		68	Power Factor	68	Line-line Res. @ 25°C		3.1 Ω A Ph 1.64 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		74°C	
S.F. Amps		11.4/5.7		Temp. Rise @ S.F. Load		90°C	

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	49	63	70	76	80	76
Efficiency	45.4	59.1	62.7	66.7	66.8	64.4	66.8
Speed	1783	1770	1754	1737	1717	1692	1717
Line amperes	4.05	4.25	4.8	5.3	6.1	7	6.1

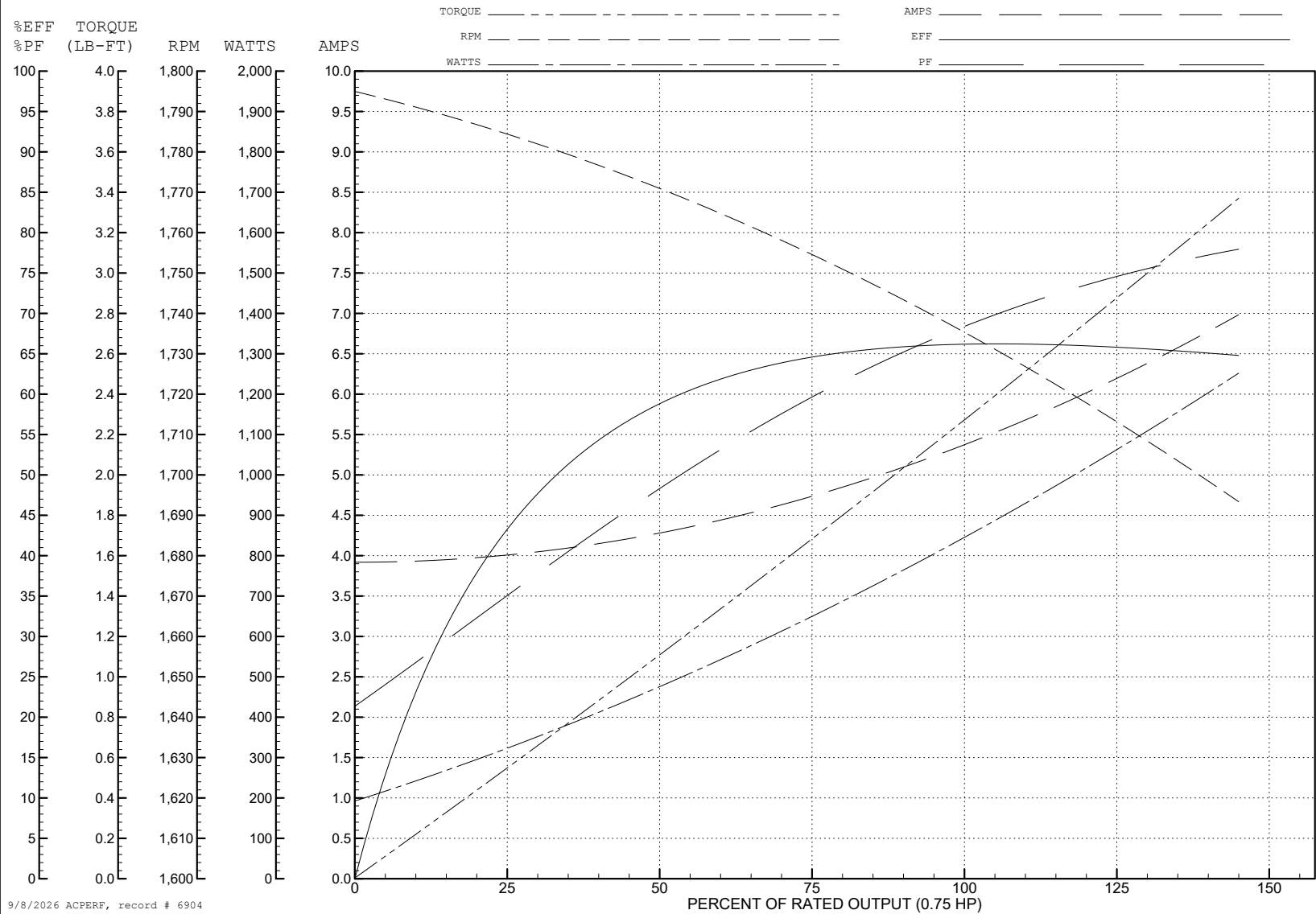
ABB Motors and Mechanical Inc.

WINDING # 34WGW169

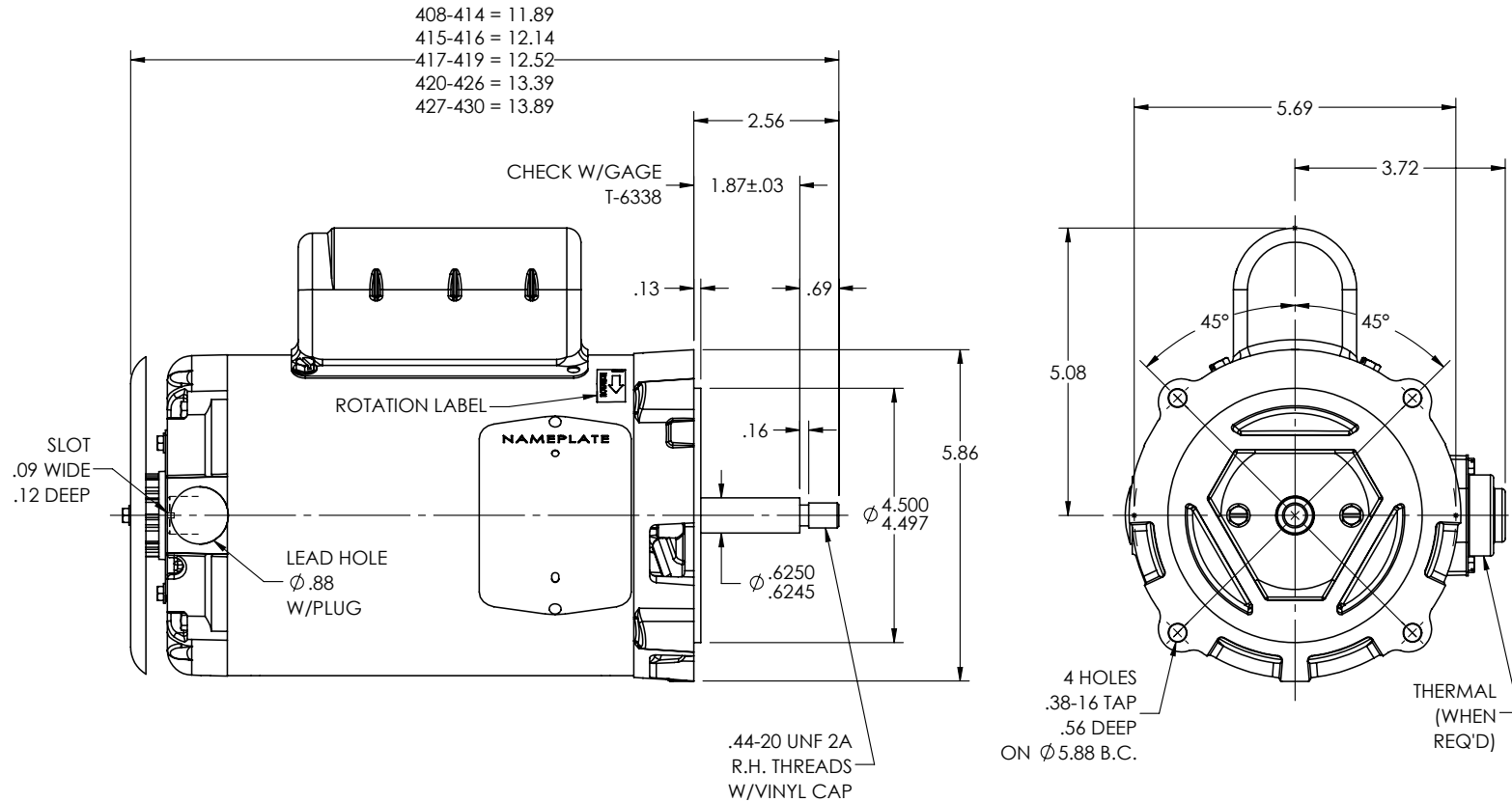
Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1725 RPM 230 V 3428L

TORQUES (LB-FT) : PO=5.5 PU=4.5 LR=9.5 LRA=31



34LYF156



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: CLEAN UP DIMENSIONING

REV: F VERSION: 03 REVISED: 10:12:31 10/02/2025 TDR: 000001264465

34LYF156

MODEL NO. 34LYF156

BY: ENJEFD0

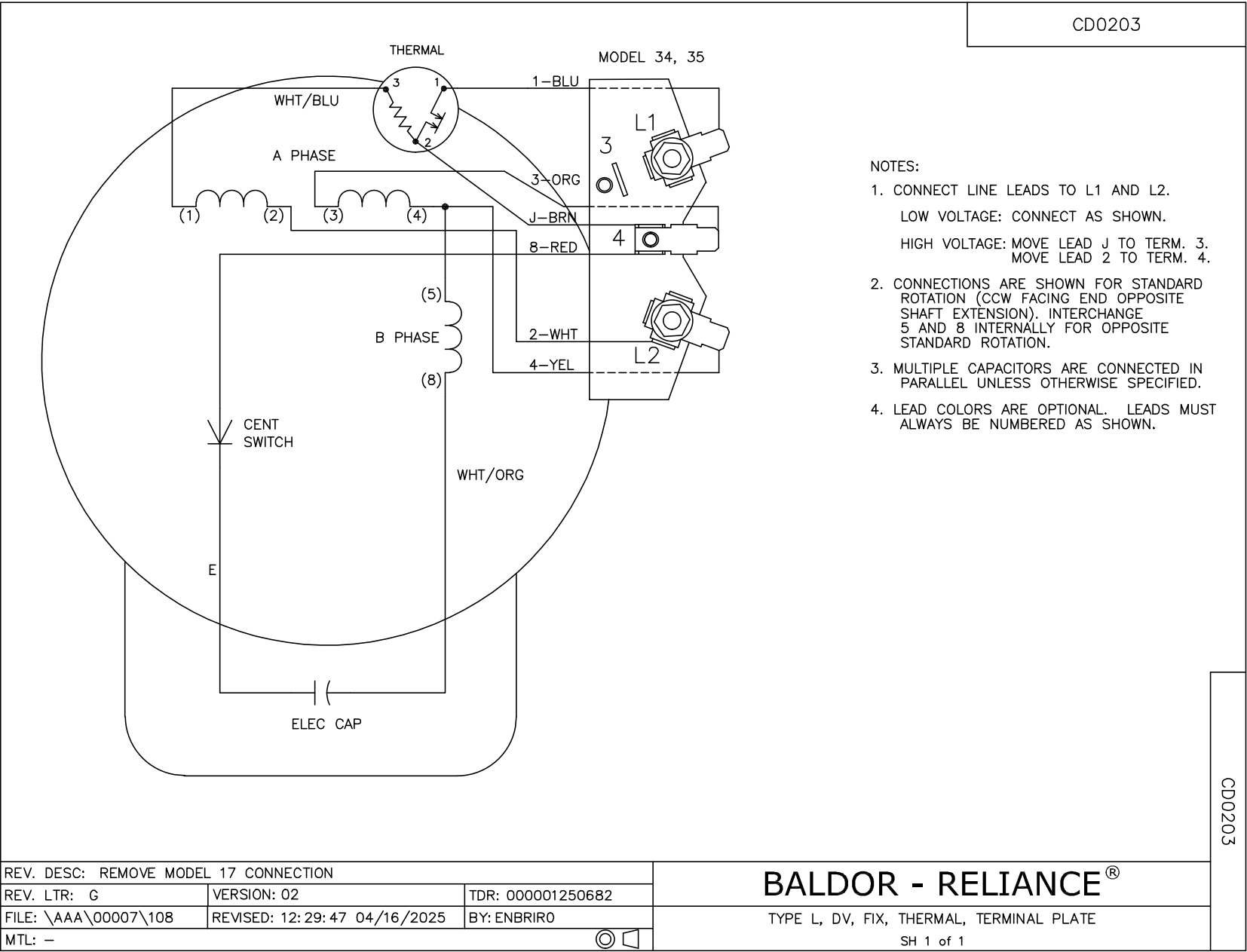
REF: -

BALDOR - RELIANCE®

STD VERT 34L NEMA 56J OPEN W/DRIPCOVER, 3 PH ER, LG CAPAC

34LYF156

CD0203



CD0203