

ABB BALDOR RELIANCE III

Customer information packet

L4005A

.33HP, 3450RPM, 1PH, 60HZ, 48, X3413L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	48
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UL CSA 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	3.000 A @ 230.0 V 6.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	55.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C

Part Detail

Revision	AG
Type	AC
Mech. spec.	34-5426
Base	
Status	PRD/A
Elec. spec.	34WG0650
Layout	34LY5426
Eff. date	05-01-2024
CD Diagram	CD0565
Poles	02
Leads	6#18,1#16 #4TH
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.85 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	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

Automatic Thermal Overload

Winding Thermal 1 Location

SB

Nameplate

NP0016XPSL					
NO.		CC			
SER. #					
SPEC	34-5426-650				
CAT.NO.	L4005A				
H.P.	.33	T. CODE	T3C		
VOLTS	115/230				
AMPS	6/3				
R.P.M.	3450				
HZ	60	PH	1	CLASS	B
SER.F.	1.00	DES	N	CODE	K
RATING	40C AMB-CONT				
FRAME	48	NEMA NOM. EFF			55
	PF	68			
BLANK					

AC Induction Motor Performance Data

Record # 73059

Typical performance - not guaranteed values

Winding: 34WG0650-R002			Type: 3413L		Enclosure: XPFC		
Nameplate Data				230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.33		Full Load Torque		0.4995 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		6/3		Breakdown Torque		1.58 LB-FT	
R.P.M.		3450		Pull-up Torque		1.31 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		1.76 LB-FT	
NEMA Design Code		N	KVA Code	K		Starting Current	13.8 A
Service Factor (S.F.)		1		No-load Current		2.24 A	
NEMA Nom. Eff.		55	Power Factor	68		Line-line Res. @ 25°C	7.0796 Ω A Ph 5.4167 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		73°C	

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	40	53	62	70	76	82
Efficiency	29.2	43	51.6	56.5	58.4	58.2
Speed	3547.7	3515.1	3485.3	3449.7	3405.9	3349.5
Line amperes	2.26	2.35	2.49	2.69	2.98	3.38

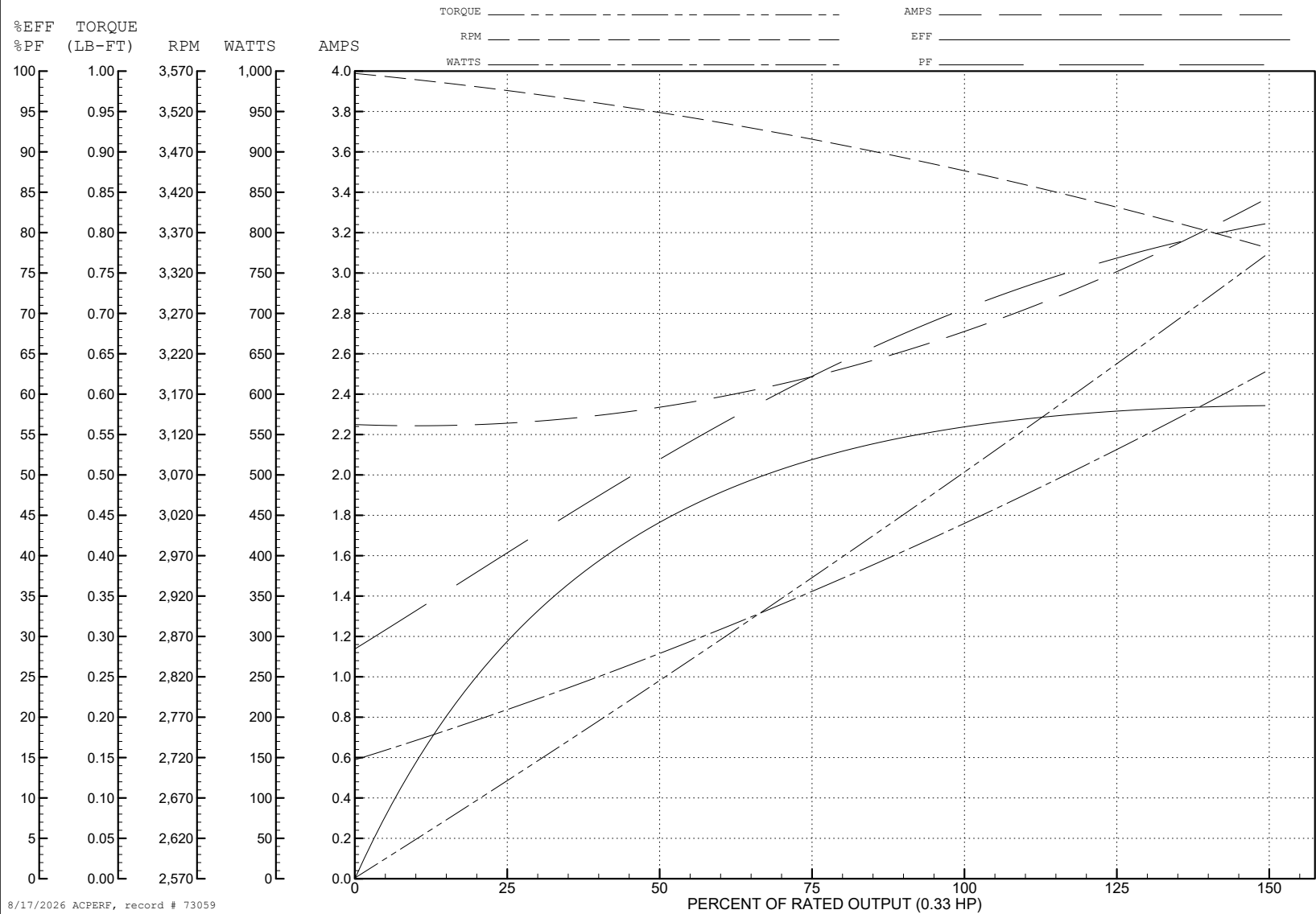
ABB Motors and Mechanical Inc.

WINDING # 34WG0650

Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 3450 RPM 230 V 3413L

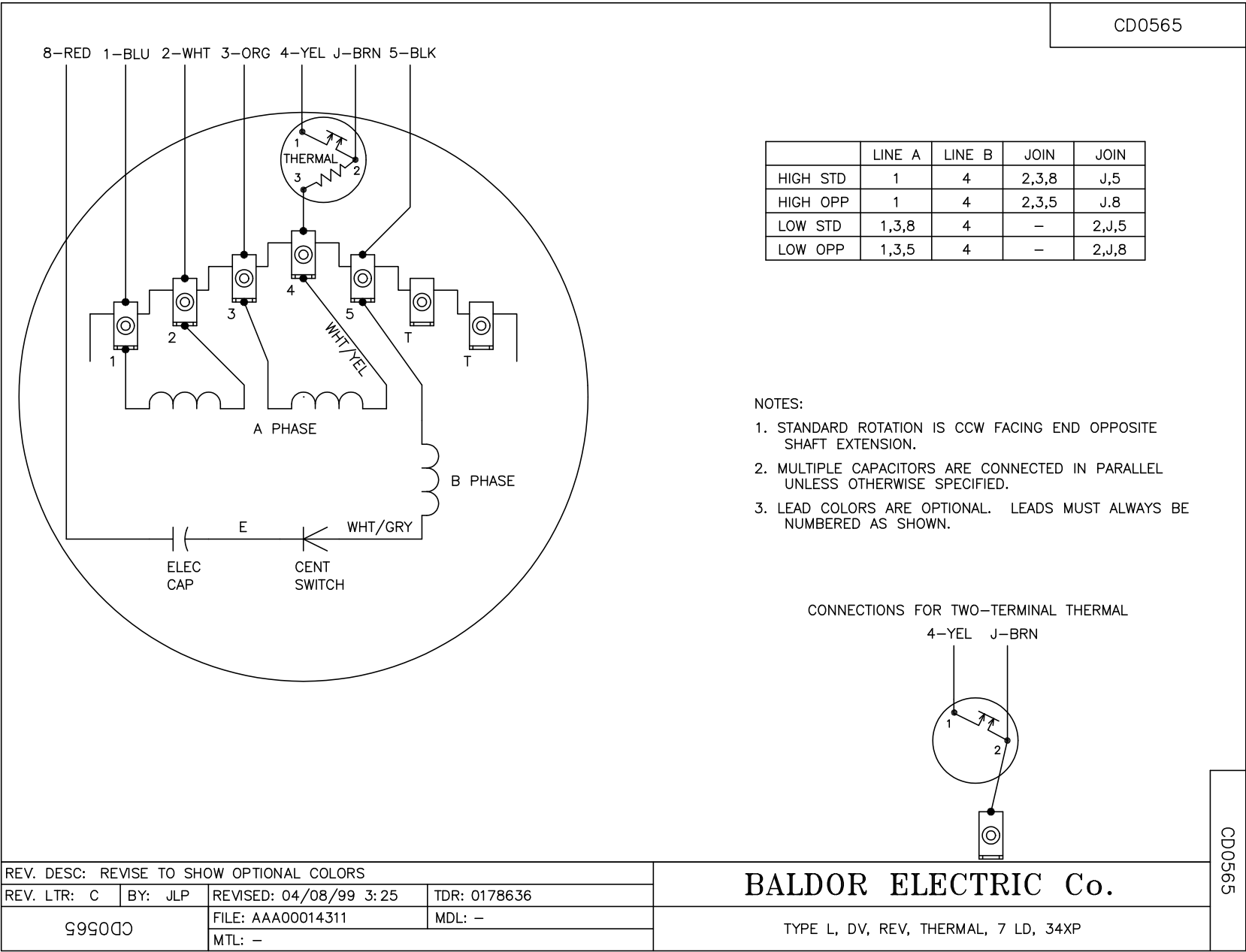
TORQUES (LB-FT): PO=1.58 PU=1.31 LR=1.76 LRA=13.8



8/17/2026 ACPERF, record # 73059



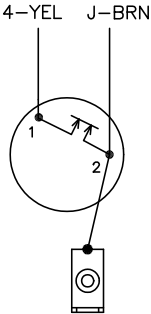
CD0565



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
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.

CONNECTIONS FOR TWO-TERMINAL THERMAL



CD0565

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 04/08/99 3:25	TDR: 0178636
FILE: AAA00014311		MDL: —	
MTL: —			

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LD, 34XP