

ABB BALDOR RELIANCE III

Customer information packet

CHC3414A

.25HP, 1100RPM, 1PH, 60HZ, 48Z, 3418C, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	48Z
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	.250 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.400 A @ 115.0 V 2.200 A @ 230.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	51.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.2 a

Part Detail

Revision	AF
Type	AC
Mech. spec.	34K052
Base	
Status	PRD/A
Elec. spec.	34WG5634
Layout	34LYK052
Eff. date	01-30-2026
CD Diagram	CD0381
Poles	06
Leads	7#18
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3418C
Mounting Arrangement	F1
Number of Poles	6
Overall Length	11.97 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
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	1100 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

Winding Thermal 2

None

Nameplate

NP1280L									
CAT.NO.									
SPEC.	34K52-5634								
HP	.25								
VOLTS	115/230								
AMP	4.4/2.2								
RPM	1100								
FRAME	48Z		HZ	60		PH		1	
SER.F.	1.00		CODE	F	DES	-	CL	B	
NEMA-NOM-EFF	51		PF	67					
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	TEAO		SN						
	CHC3414A								

AC Induction Motor Performance Data

Record # 50788

Typical performance - not guaranteed values

Winding: 34WG5634-R001			Type: 3418C		Enclosure: TEAO	
Nameplate Data				230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		.25		Full Load Torque		1.15 LB-FT
Volts		115/230		Start Configuration		direct on line
Full Load Amps		4.4/2.2		Breakdown Torque		2.38 LB-FT
R.P.M.		1100		Pull-up Torque		0.39 LB-FT
Hz	60	Phase	1	Locked-rotor Torque		0.71 LB-FT
NEMA Design Code		- KVA Code		Starting Current		5.6 A
Service Factor (S.F.)		1		No-load Current		1.91 A
NEMA Nom. Eff.		51	Power Factor	Line-line Res. @ 25°C		11.6 Ω A Ph 35.2 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		

Load Characteristics 230 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	45	52	60	67	72	75
Efficiency	21	34	46	51	53	53
Speed	1176	1161	1137	1108	1073	1041
Line amperes	1.92	1.95	2.04	2.21	2.44	2.67

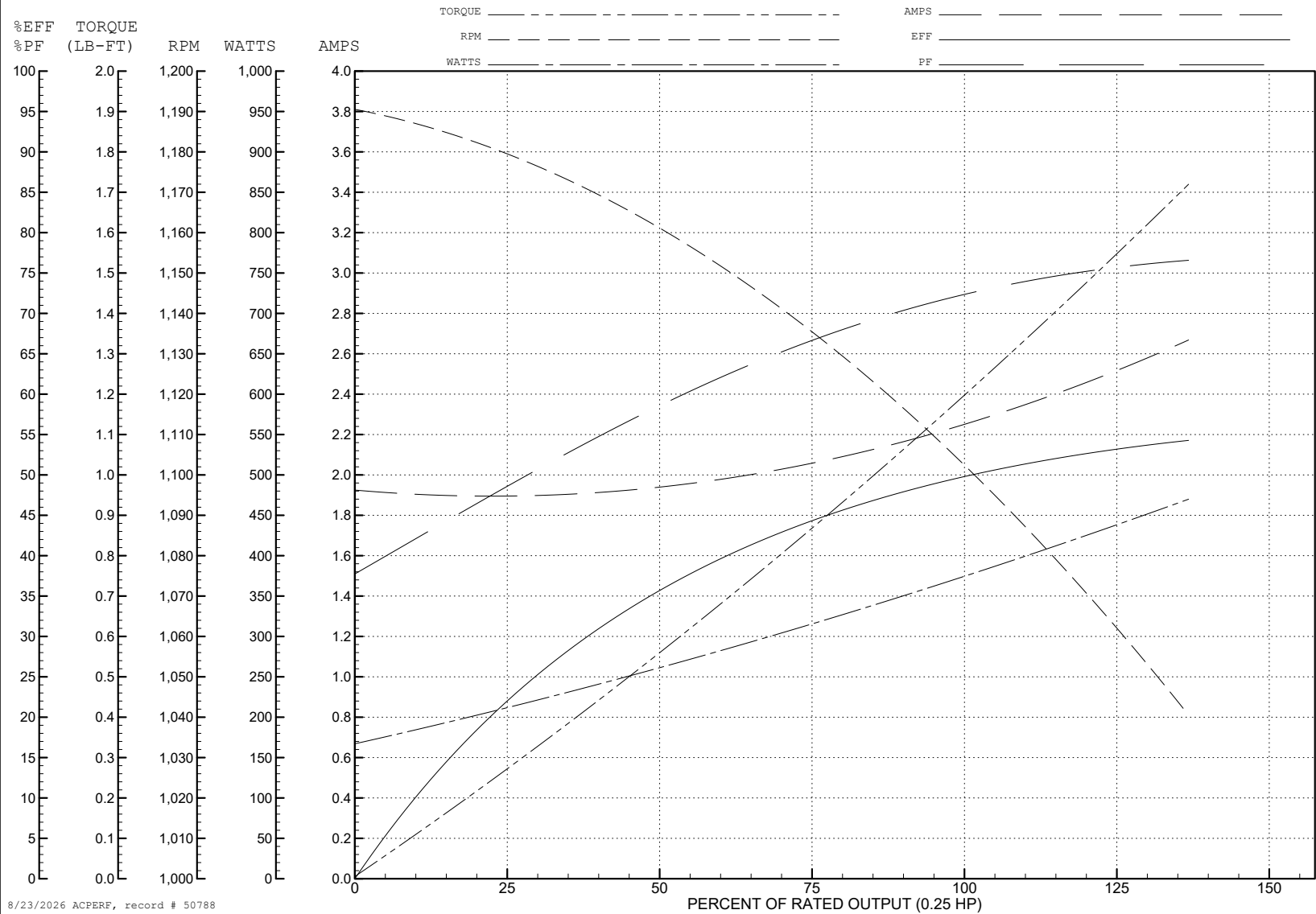
ABB Motors and Mechanical Inc.

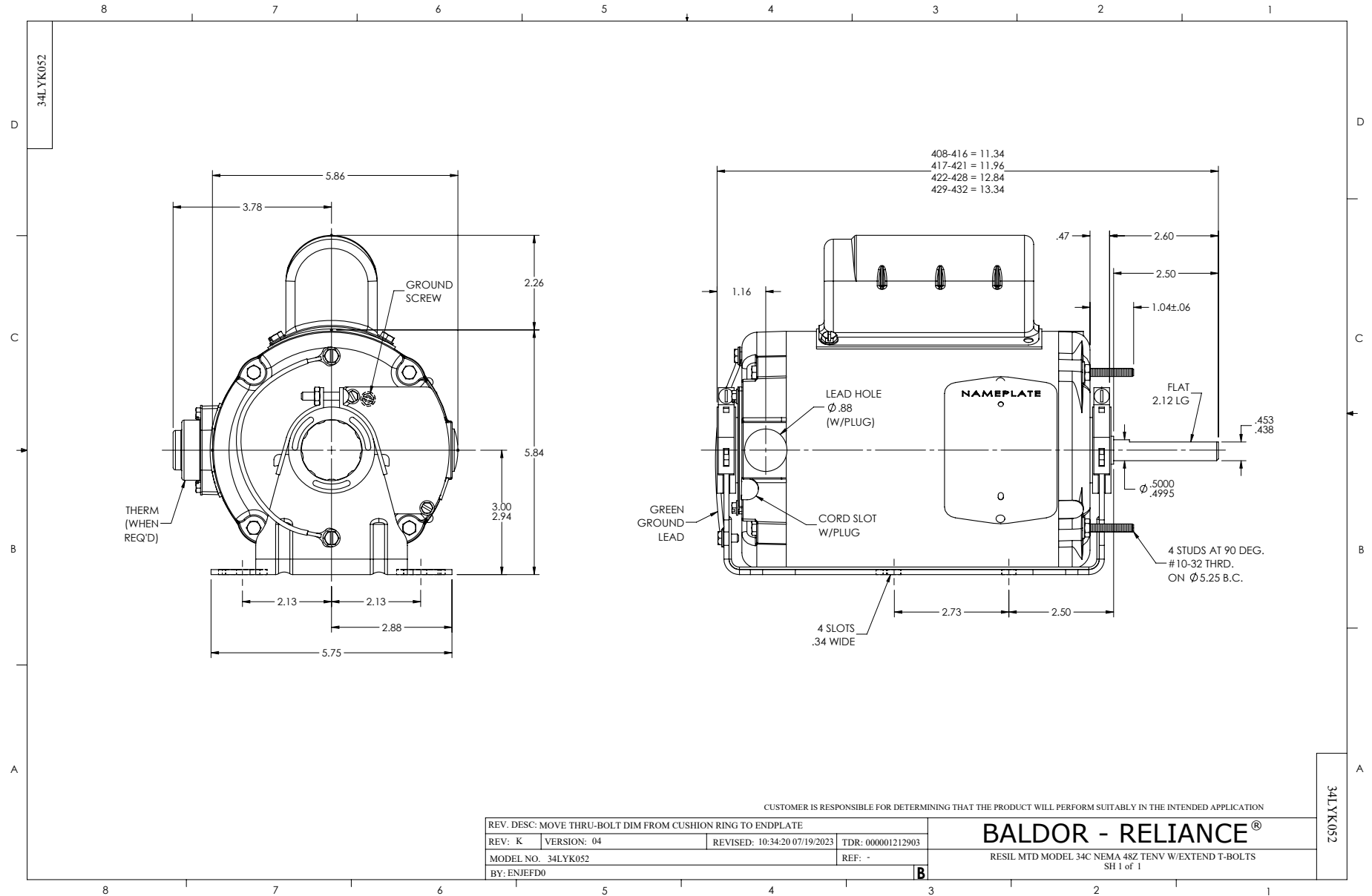
WINDING # 34WG5634

0.25 HP 1 PH 60 HZ 1100 RPM 230 V 3418C

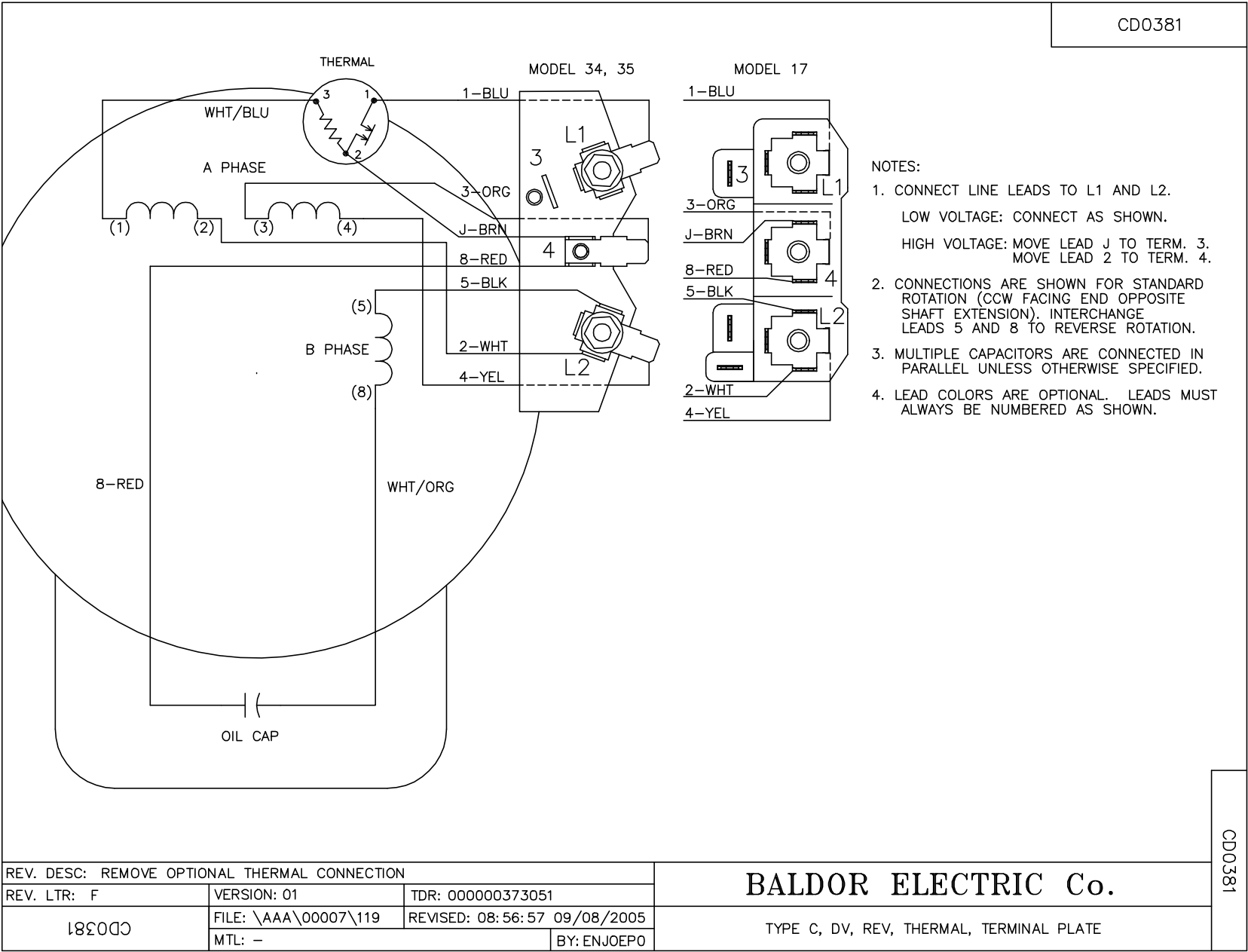
Typical performance - not guaranteed values.

TORQUES (LB-FT) : PO=2.38 PU=0.39 LR=0.71 LRA=5.6





CD0381



CD0381