

**BALDOR • RELIANCE**

---

# Customer information packet

## CHC3413A

.25HP, 1700RPM, 1PH, 60HZ, 48Z, 3414C, 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	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	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.400 A @ 230.0 V 4.800 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	54.0 %
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	2.4 a

## Part detail

Revision	AG
Type	AC
Mech. spec.	34K052
Base	
Status	PRD/A
Elec. spec.	34WG5632
Layout	34LYK052
Eff. date	07-25-2024
CD Diagram	CD0381
Poles	04
Leads	7#18
Proprietary	False
Created date	01-01-0001

<b>Insulation Class</b>	B
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	H
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Terminal Panel
<b>Motor Lead Quantity/Wire Size</b>	7 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3414C
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	11.35 IN
<b>Power Factor</b>	62
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Resilient Mount
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.500 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1700 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	Automatic Thermal Overload
<b>Winding Thermal 1 Location</b>	SB

**Nameplate**

<b>NP1280L</b>									
<b>CAT.NO.</b>	CHC3413A								
<b>SPEC.</b>	34K52-5632								
<b>HP</b>	.25								
<b>VOLTS</b>	115/230								
<b>AMP</b>	4.8/2.4								
<b>RPM</b>	1700								
<b>FRAME</b>	48Z	<b>HZ</b>	60	<b>PH</b>	1				
<b>SER.F.</b>	1.00	<b>CODE</b>	H	<b>DES</b>	N	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	54	<b>PF</b>	62						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6203	<b>ODE</b>	6203						
<b>ENCL</b>	TEAO	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 50786

Typical performance - not guaranteed values

Winding: 34WG5632-R001		Type: 3414C		Enclosure: TEAO	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: High Voltage Connection</b>		
Rated Output (HP)	.25		Full Load Torque	0.75 LB-FT	
Volts	115/230		Start Configuration	direct on line	
Full Load Amps	4.8/2.4		Breakdown Torque	2.38 LB-FT	
R.P.M.	1700		Pull-up Torque	0.25 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque	0.38 LB-FT
NEMA Design Code	N	KVA Code	H	Starting Current	7.6 A
Service Factor (S.F.)	1		No-load Current	2.1 A	
NEMA Nom. Eff.	54	Power Factor	62	Line-line Res. @ 25°C	8.24 Ω A Ph 34.8 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	38	48	56	61	68	73
Efficiency	23	41	49	53	57	58
Speed	1775	1754	1733	1715	1689	1658
Line amperes	2.06	2.13	2.23	2.32	2.55	2.79

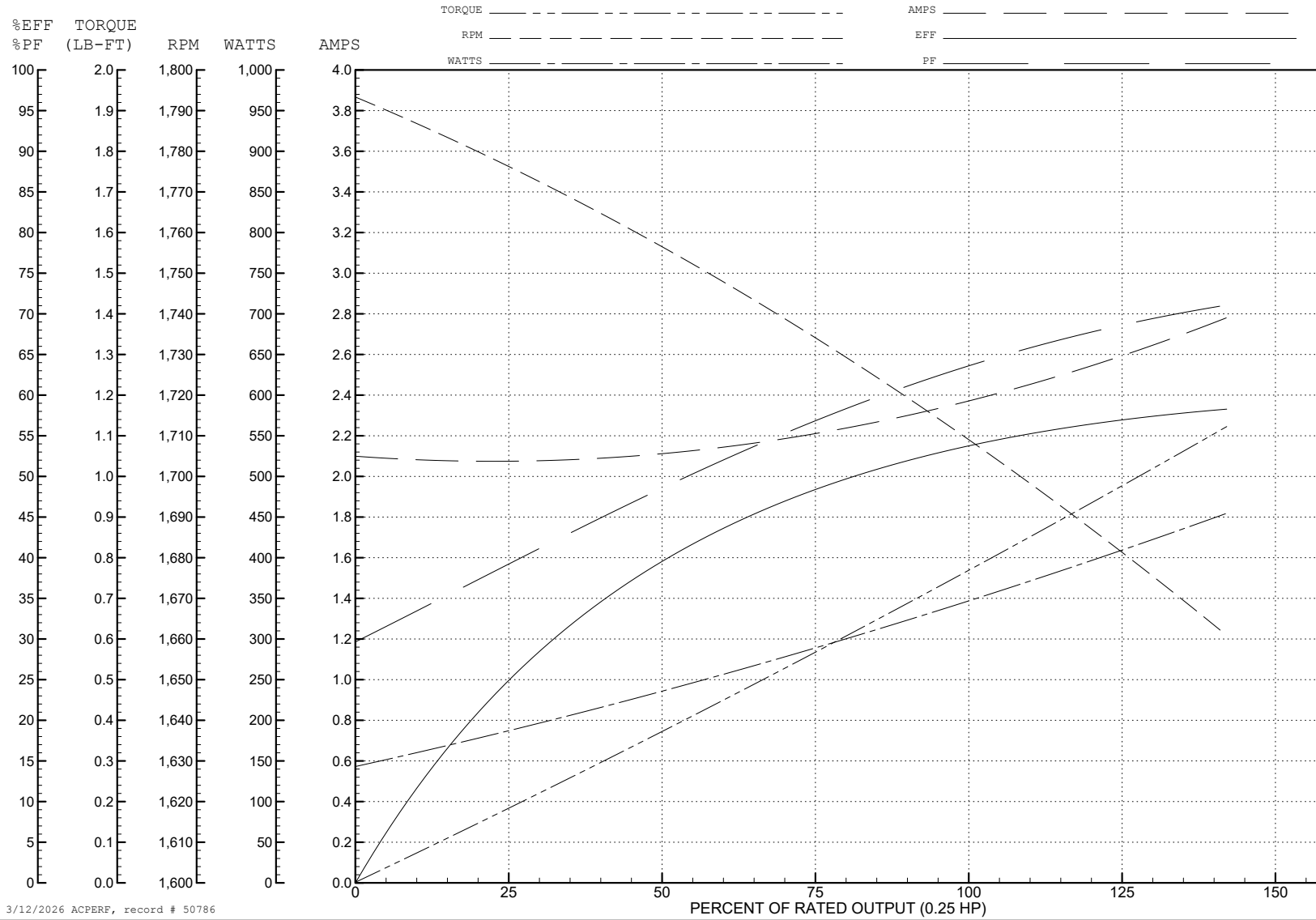
ABB Motors and Mechanical Inc.

WINDING # 34WG5632

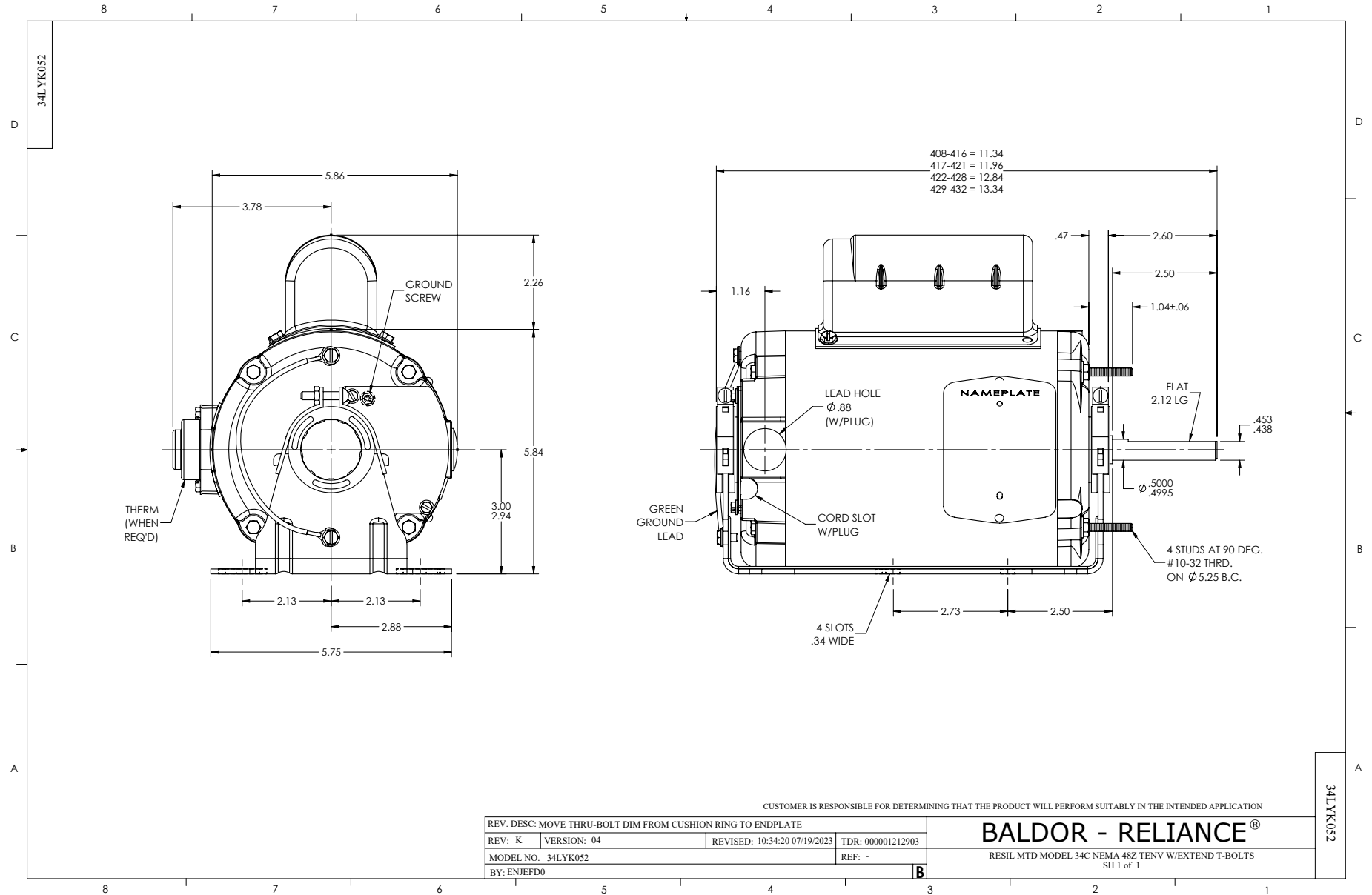
0.25 HP 1 PH 60 HZ 1700 RPM 230 V 3414C

Typical performance - not guaranteed values.

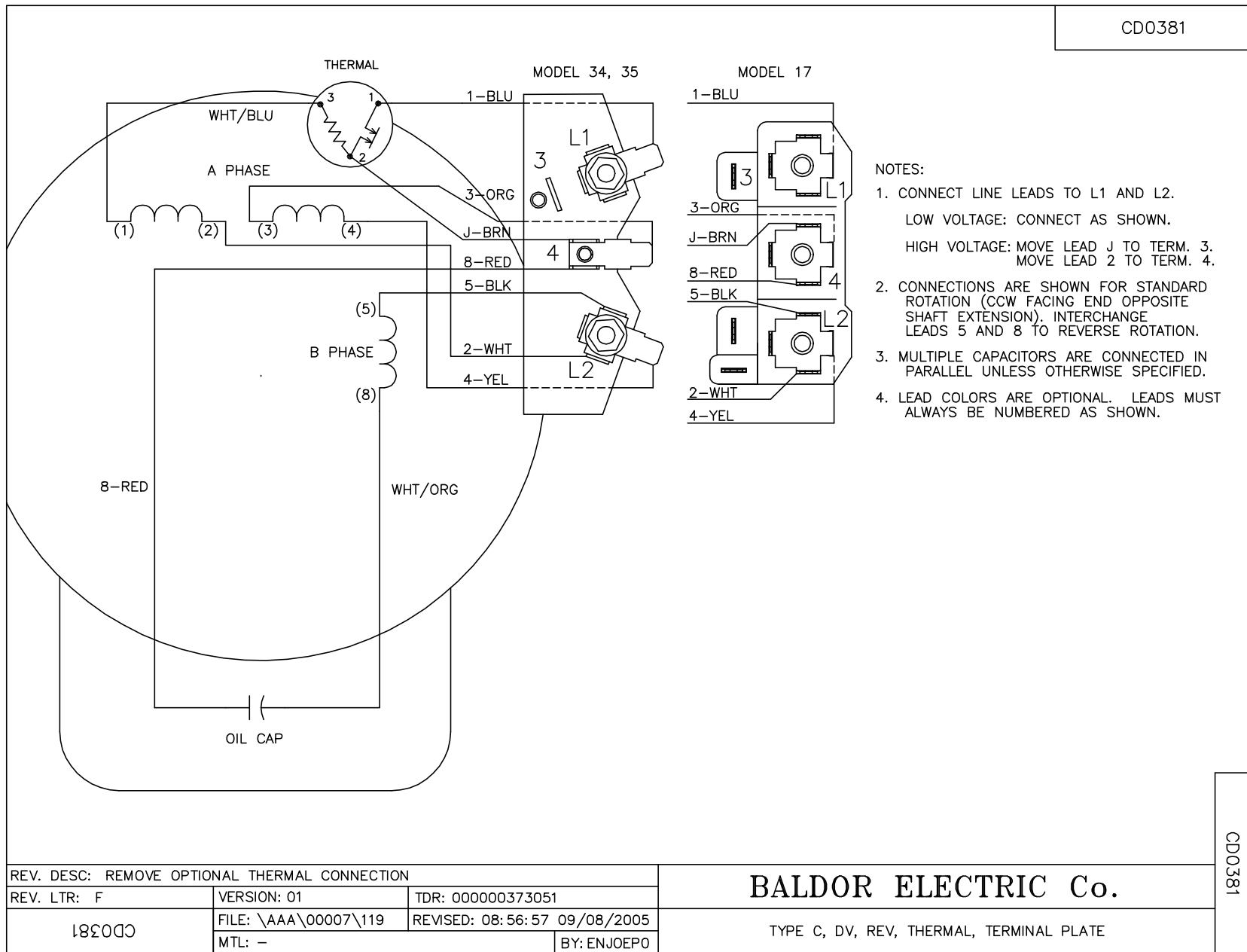
TORQUES (LB-FT): PO=2.38 PU=0.25 LR=0.38 LRA=7.6



3/12/2026 ACPERF, record # 50786



CD0381



REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: F	VERSION: 01	TDR: 000000373051
CD0381	FILE: \AAA\00007\119	REVISED: 08:56:57 09/08/2005
	MTL: -	BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE C, DV, REV, THERMAL, TERMINAL PLATE

CD0381