

**BALDOR • RELIANCE**

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# Customer information packet

## PSC3416A

.33HP, 1625RPM, 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	.330 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.800 A @ 230.0 V 3.600 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	62.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.8 a

## Part detail

Revision	S
Type	AC
Mech. spec.	34G144
Base	
Status	PRD/A
Elec. spec.	34WGW426
Layout	34LYG144
Eff. date	04-30-2025
CD Diagram	CD0028
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>	-
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Terminal Panel Or Lead Hole
<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>	11.34 IN
<b>Power Factor</b>	95
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<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>	1625 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>NP1257L</b>									
<b>CAT.NO.</b>	PSC3416A								
<b>SPEC.</b>	34G144W426								
<b>HP</b>	.33 AIR OVER								
<b>VOLTS</b>	115/230								
<b>AMP</b>	3.6/1.8								
<b>RPM</b>	1625								
<b>FRAME</b>	48Z			<b>HZ</b>	60		<b>PH</b>	1	
<b>SER.F.</b>	1.00	<b>CODE</b>	-	<b>DES</b>	N	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	62	<b>PF</b>	95						
<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 # 6977

Typical performance - not guaranteed values

Winding: 34WGW426-R001			Type: 3414C			Enclosure: TEAO		
<b>Nameplate Data</b>						<b>230 V, 60 Hz: High Voltage Connection</b>		
Rated Output (HP)	.33 AIR OVER		Full Load Torque	1 LB-FT				
Volts	115/230		Start Configuration	direct on line				
Full Load Amps	3.6/1.8		Breakdown Torque	2 LB-FT				
R.P.M.	1625		Pull-up Torque	0.7 LB-FT				
Hz	60	Phase	1	Locked-rotor Torque	0.7 LB-FT			
NEMA Design Code	N	KVA Code	-	Starting Current	5.5 A			
Service Factor (S.F.)	1		No-load Current	0.9 A				
NEMA Nom. Eff.	62	Power Factor	95	Line-line Res. @ 25°C	10.7 Ω A Ph			
					10.7 Ω B Ph			
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load					

**Load Characteristics 230 V, 60 Hz, 0.33 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	94	97	99	99	99	99
Efficiency	25.8	42.5	53.6	60.7	64.7	65.6
Speed	1759	1734	1705	1671	1628	1570
Line amperes	1.1	1.3	1.5	1.75	2.05	2.45

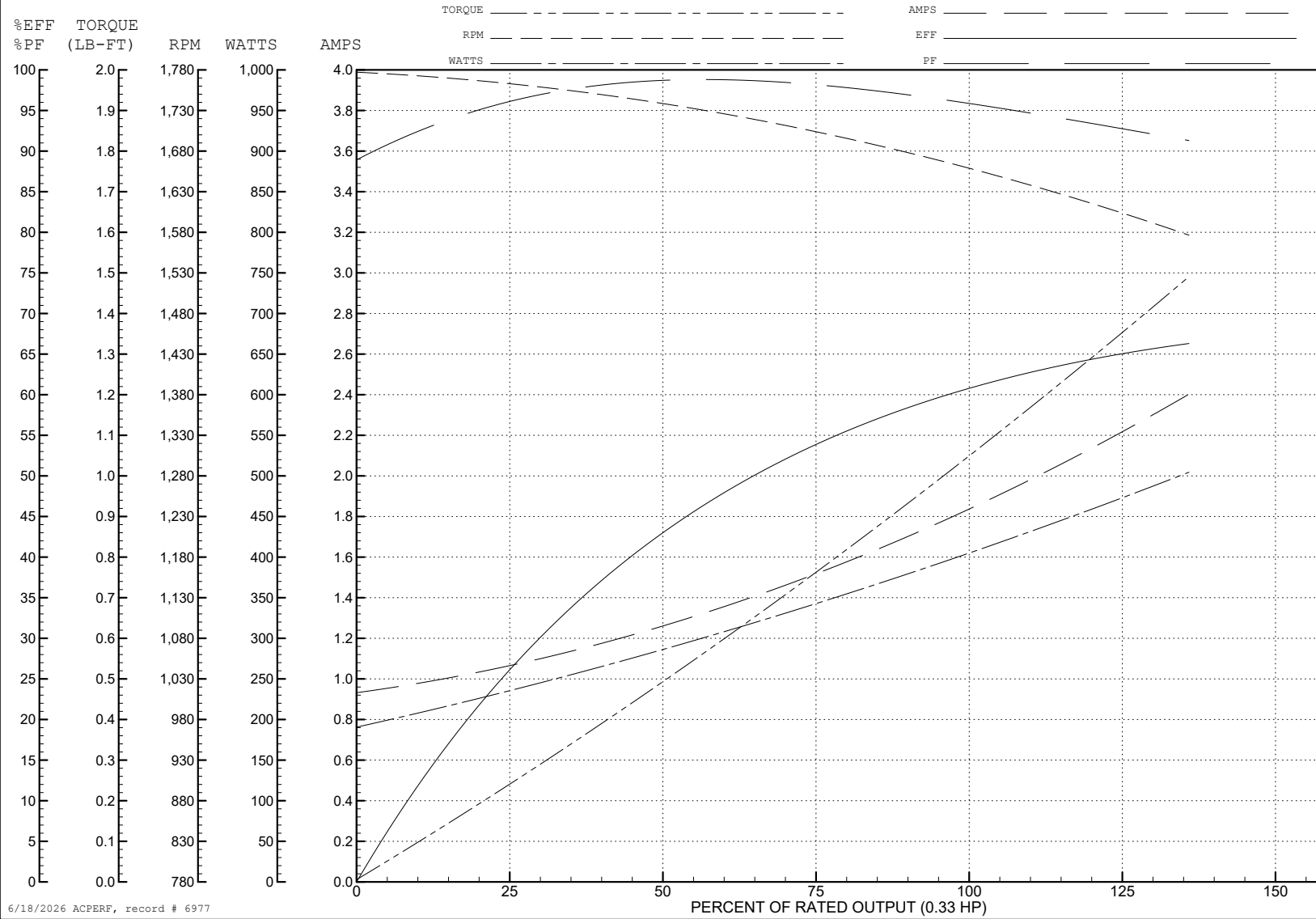
ABB Motors and Mechanical Inc.

WINDING # 34WG426

Typical performance - not guaranteed values.

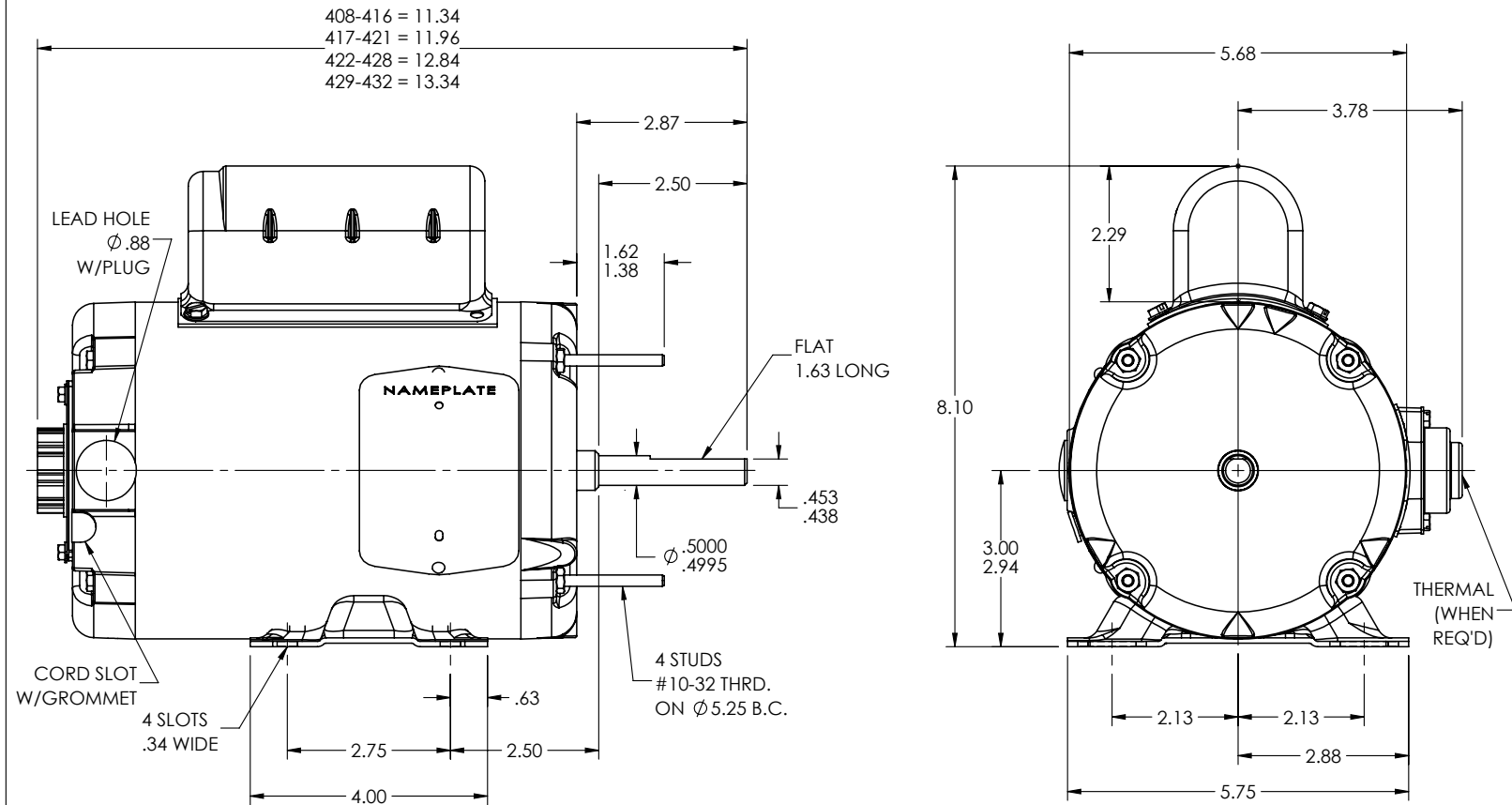
0.33 HP 1 PH 60 HZ 1625 RPM 230 V 3414C

TORQUES (LB-FT): PO=2 PU=0.7 LR=0.7 LRA=5.5



6/18/2026 ACPERF, record # 6977

34LYG144



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

REV. DESC: LOAD TO SOLIDWORKS - REV E

REV: F	VERSION: 02	REVISED: 10:15:24 03/15/2023	TDR: 000001201165
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34LYG144

MODEL NO. 34LYG144  
 BY: ENFRAJ0

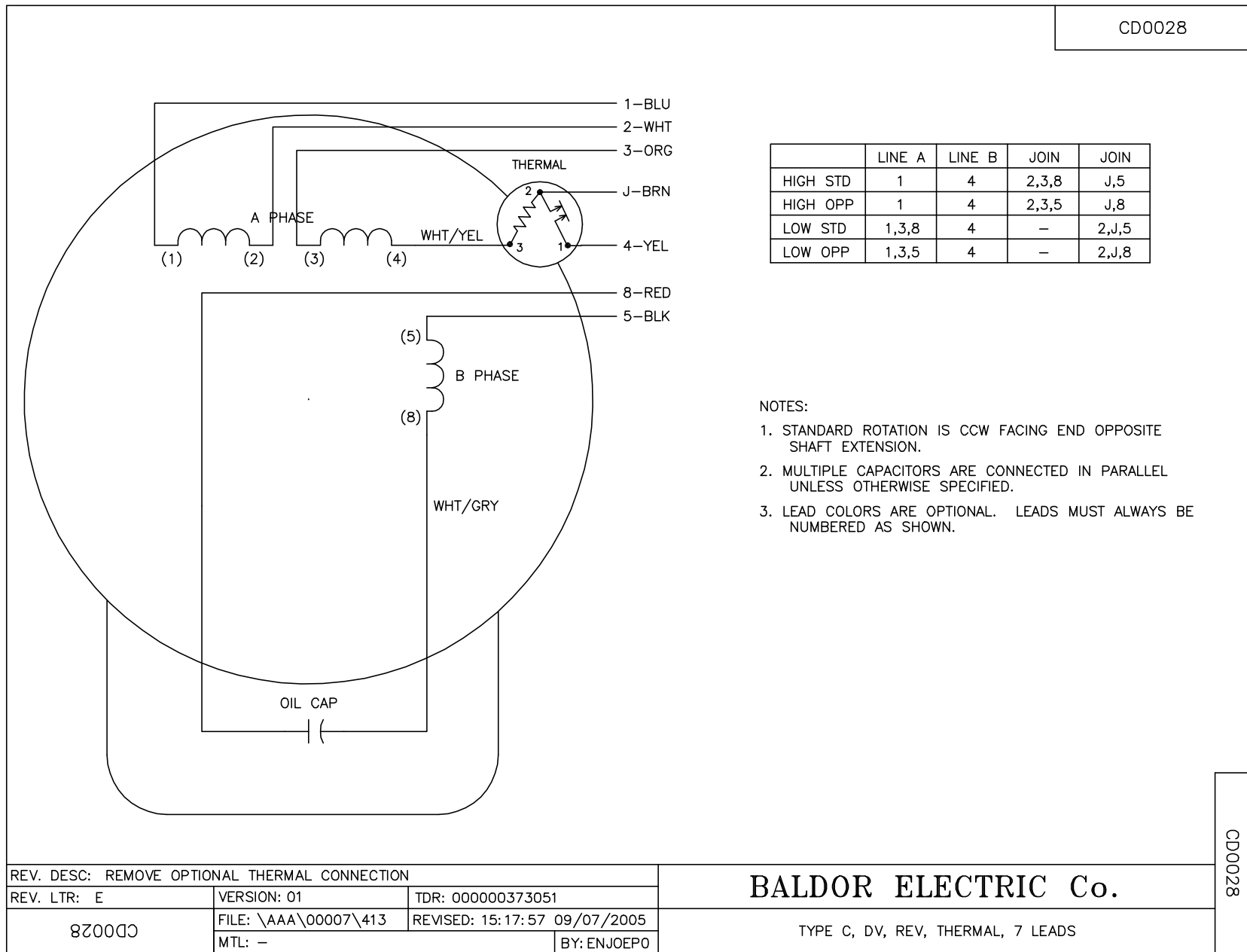
REF: -

**BALDOR - RELIANCE®**

HORZ MODEL 34C NEMA 48Z TENV W/EXTENDED T-BOLTS & TERM PANEL

34LYG144

CD0028



	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.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: E	VERSION: 01	TDR: 000000373051
8Z00D0	FILE: \AAA\00007\413	REVISED: 15:17:57 09/07/2005
	MTL: -	BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE C, DV, REV, THERMAL, 7 LEADS

CD0028