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# Customer information packet

## PSC3413A

.25HP, 1625RPM, 1PH, 60HZ, 48Z, 3411C, 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
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.300 A @ 230.0 V 2.600 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	65.5 %
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	1.3 a

## Part detail

Revision	Q
Type	AC
Mech. spec.	34G144
Base	
Status	PRD/A
Elec. spec.	34WGW427
Layout	34LYG144
Eff. date	09-18-2023
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>	C
<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>	3411C
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	11.34 IN
<b>Power Factor</b>	93
<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>	PSC3413A								
<b>SPEC.</b>	34G144W427								
<b>HP</b>	.25 AIR OVER								
<b>VOLTS</b>	115/230								
<b>AMP</b>	2.6/1.3								
<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>	C	<b>DES</b>	N	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	65.5	<b>PF</b>	93						
<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 # 6978

Typical performance - not guaranteed values

<b>Winding: 34WGW427-R001</b>		<b>Type: 3411C</b>		<b>Enclosure: TEAO</b>	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	.25 AIR OVER		<b>Full Load Torque</b>	0.8 LB-FT	
<b>Volts</b>	115/230		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	2.6/1.3		<b>Breakdown Torque</b>	1.2 LB-FT	
<b>R.P.M.</b>	1625		<b>Pull-up Torque</b>	0.4 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	<b>1</b>	<b>Locked-rotor Torque</b>	0.4 LB-FT	
<b>NEMA Design Code</b>	<b>N KVA Code</b>	<b>C</b>	<b>Starting Current</b>	3.5 A	
<b>Service Factor (S.F.)</b>	<b>1</b>		<b>No-load Current</b>	0.5 A	
<b>NEMA Nom. Eff.</b>	<b>65.5 Power Factor</b>	<b>93</b>	<b>Line-line Res. @ 25°C</b>	18.9 Ω A Ph 11.3 Ω B Ph	
<b>Rating - Duty</b>	<b>40C AMB-CONT</b>		<b>Temp. Rise @ Rated Load</b>		

**Load Characteristics 230 V, 60 Hz, 0.25 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>
<b>Power Factor</b>	73	84	90	93	95
<b>Efficiency</b>	45.4	62.4	68.4	67.6	58.4
<b>Speed</b>	1752	1711	1658	1582	1440
<b>Line amperes</b>	0.6	0.8	1	1.3	1.8

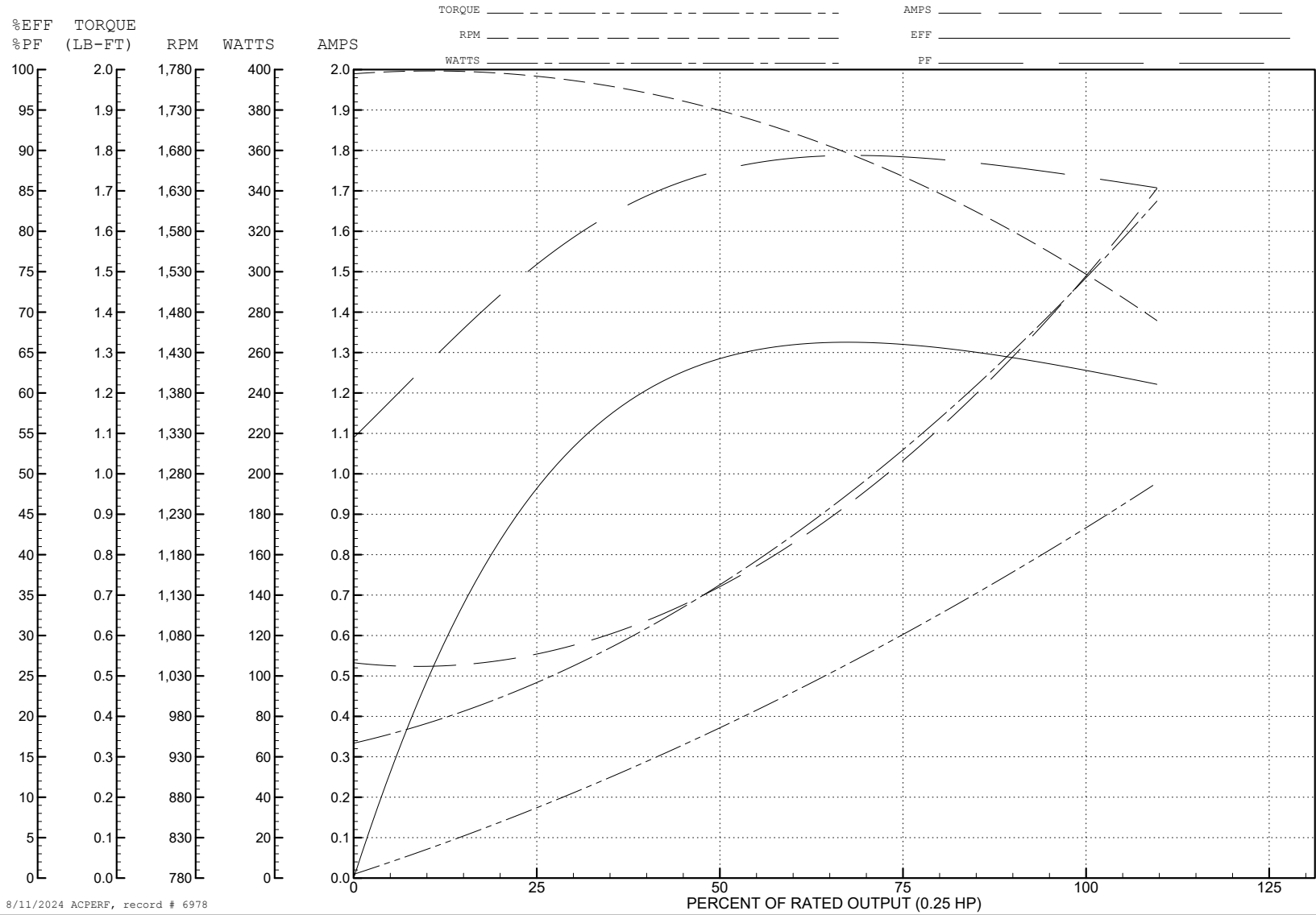
ABB Motors and Mechanical Inc.

WINDING # 34WGW427

Typical performance - not guaranteed values.

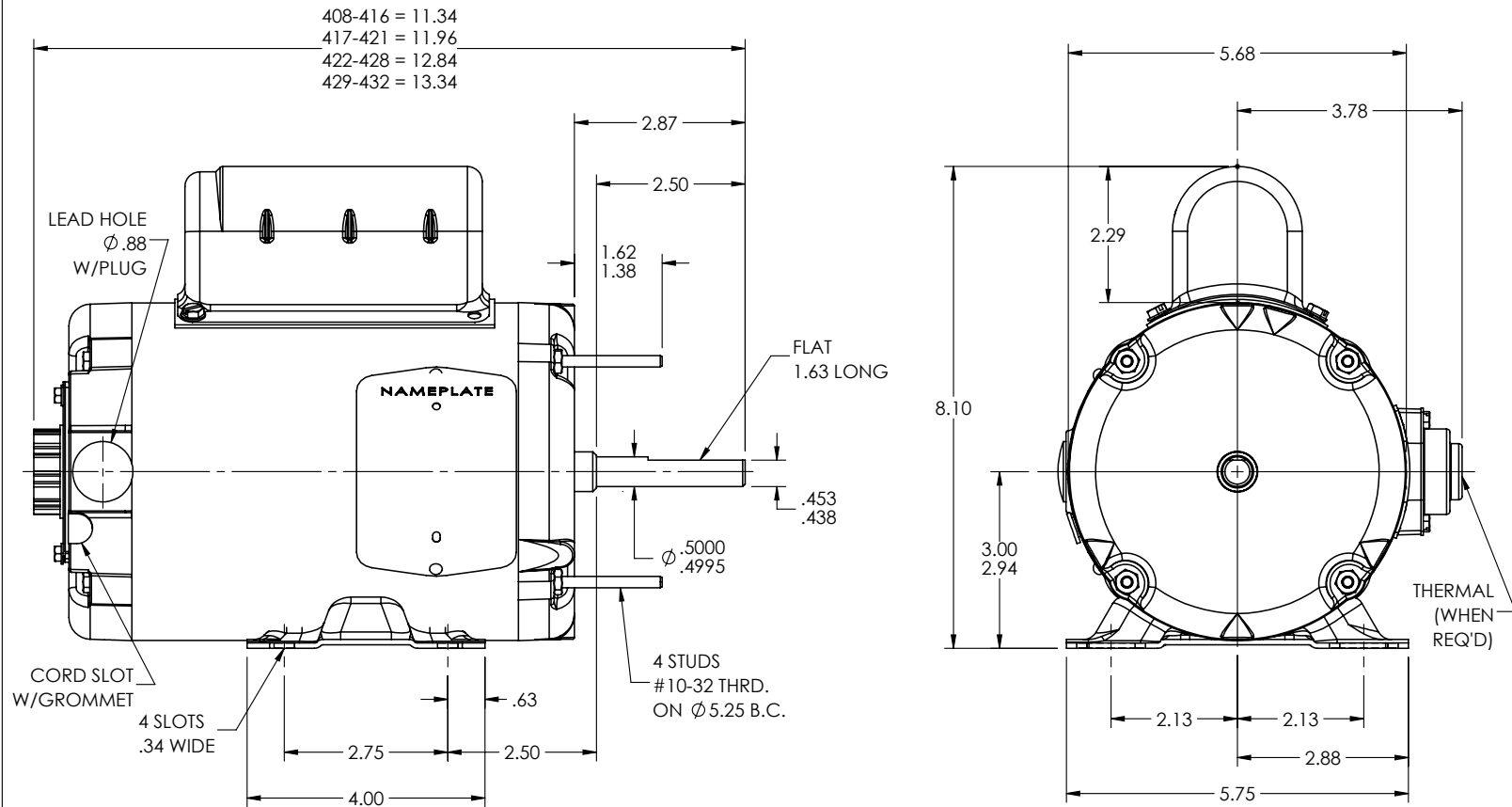
0.25 HP 1 PH 60 HZ 1625 RPM 230 V 3411C

TORQUES (LB-FT): PO=1.2 PU=0.4 LR=0.4 LRA=3.5



8/11/2024 ACPERF, record # 6978

34LYG144



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

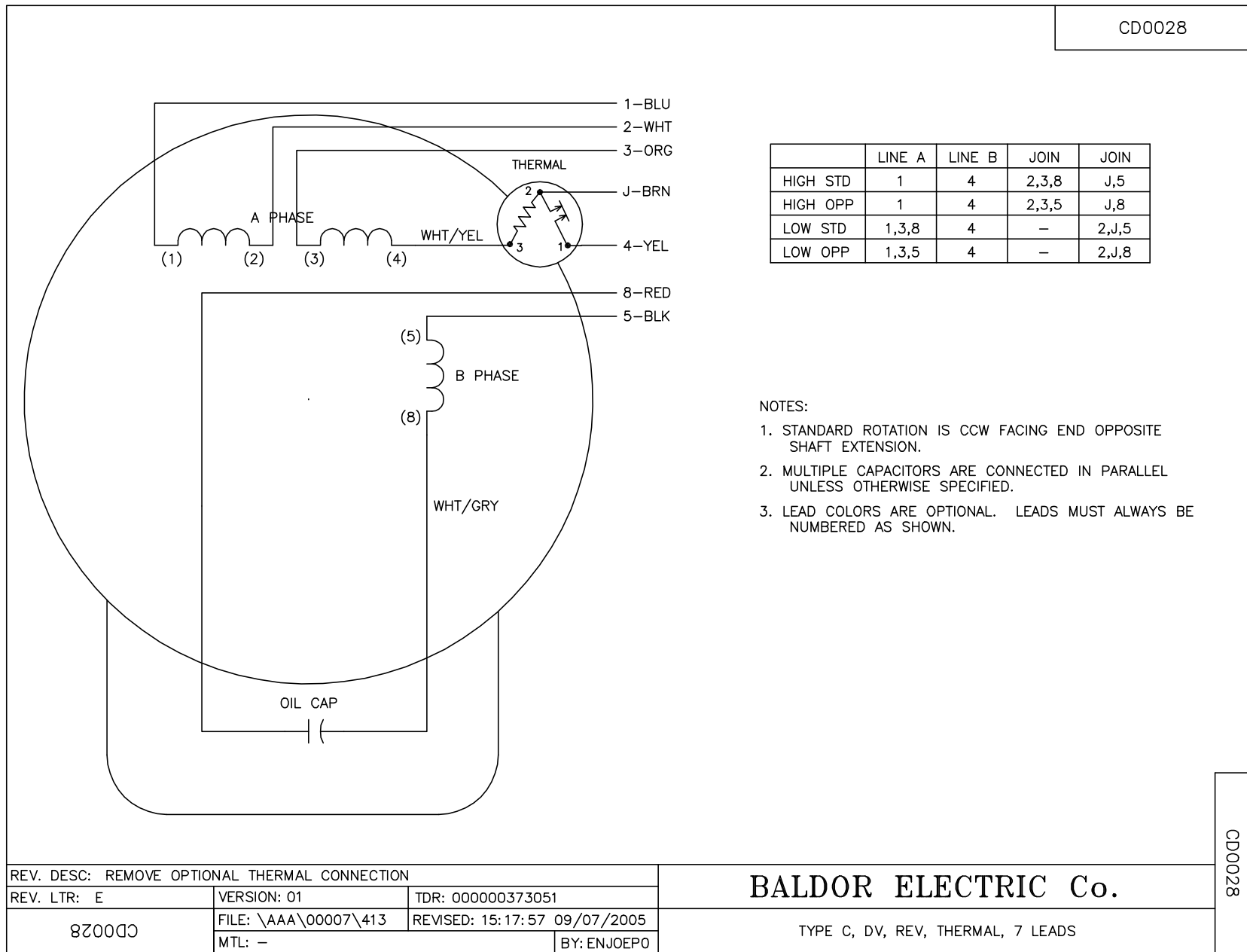
REV. DESC: LOAD TO SOLIDWORKS - REV E			
REV: F	VERSION: 02	REVISED: 10:15:24 03/15/2023	TDR: 000001201165
MODEL NO. 34LYG144		REF: -	
BY: ENFRAJ0			

**BALDOR - RELIANCE®**

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

34LYG144

CD0028



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