

**BALDOR • RELIANCE**

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# Customer information packet

## YPC245A

.33HP, 1625RPM, 1PH, 60HZ, 56YZ, 3411C, TEAO, F

Class - None

Division - Not Applicable

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10/5/2024 1:10:23 AM

## Specifications

Enclosure	TEAO
Frame	56YZ
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
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Yoke Pedestal
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.400 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	66.0 %
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	3.4 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	B

## Part detail

Revision	G
Type	AC
Mech. spec.	34M197
Base	
Status	PRD/A
Elec. spec.	34WGR235
Layout	34LYM197
Eff. date	09-18-2023
CD Diagram	CD0798
Poles	04
Leads	5#18
Proprietary	False
Created date	07-01-2015

<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>	5 @ 18 AWG
<b>Motor Lead Termination</b>	None
<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>	10.68 IN
<b>Power Factor</b>	96
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Flat Only (When Non-STD)
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible: Connected Standard
<b>Shaft Slinger Indicator</b>	Shaft 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>	WG

**Nameplate**

<b>NP1257L</b>									
<b>CAT.NO.</b>	YPC245A								
<b>SPEC.</b>	34M197R235G1								
<b>HP</b>	.33								
<b>VOLTS</b>	115								
<b>AMP</b>	3.4								
<b>RPM</b>	1625								
<b>FRAME</b>	56YZ			<b>HZ</b>	60		<b>PH</b>	1	
<b>SER.F.</b>	1.00	<b>CODE</b>	B	<b>DES</b>	-	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	66	<b>PF</b>	96						
<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 # 51600

Typical performance - not guaranteed values

<b>Winding:</b> 34WGR235-R001		<b>Type:</b> 3411C		<b>Enclosure:</b> TEAO	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	.33	<b>Full Load Torque</b>	1.07 LB-FT		
<b>Volts</b>	115	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	3.4	<b>Breakdown Torque</b>	1.59 LB-FT		
<b>R.P.M.</b>	1625	<b>Pull-up Torque</b>	0.321 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	1	<b>Locked-rotor Torque</b>	0.363 LB-FT	
<b>NEMA Design Code</b>	- <b>KVA Code</b>	B	<b>Starting Current</b>	9.58 A	
<b>Service Factor (S.F.)</b>		1	<b>No-load Current</b>	1.01 A	
<b>NEMA Nom. Eff.</b>	66 <b>Power Factor</b>	96	<b>Line-line Res. @ 25°C</b>	4.3109 Ω A Ph 10.741 Ω B Ph	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>		

**Load Characteristics 115 V, 60 Hz, 0.33 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
<b>Power Factor</b>	91	94	96	96	96	95
<b>Efficiency</b>	44.4	61.8	67.8	68.3	63.5	56.1
<b>Speed</b>	1769.3	1745.3	1714	1670.1	1610.8	1528.4
<b>Line amperes</b>	1.47	1.96	2.58	3.35	4.31	4.93

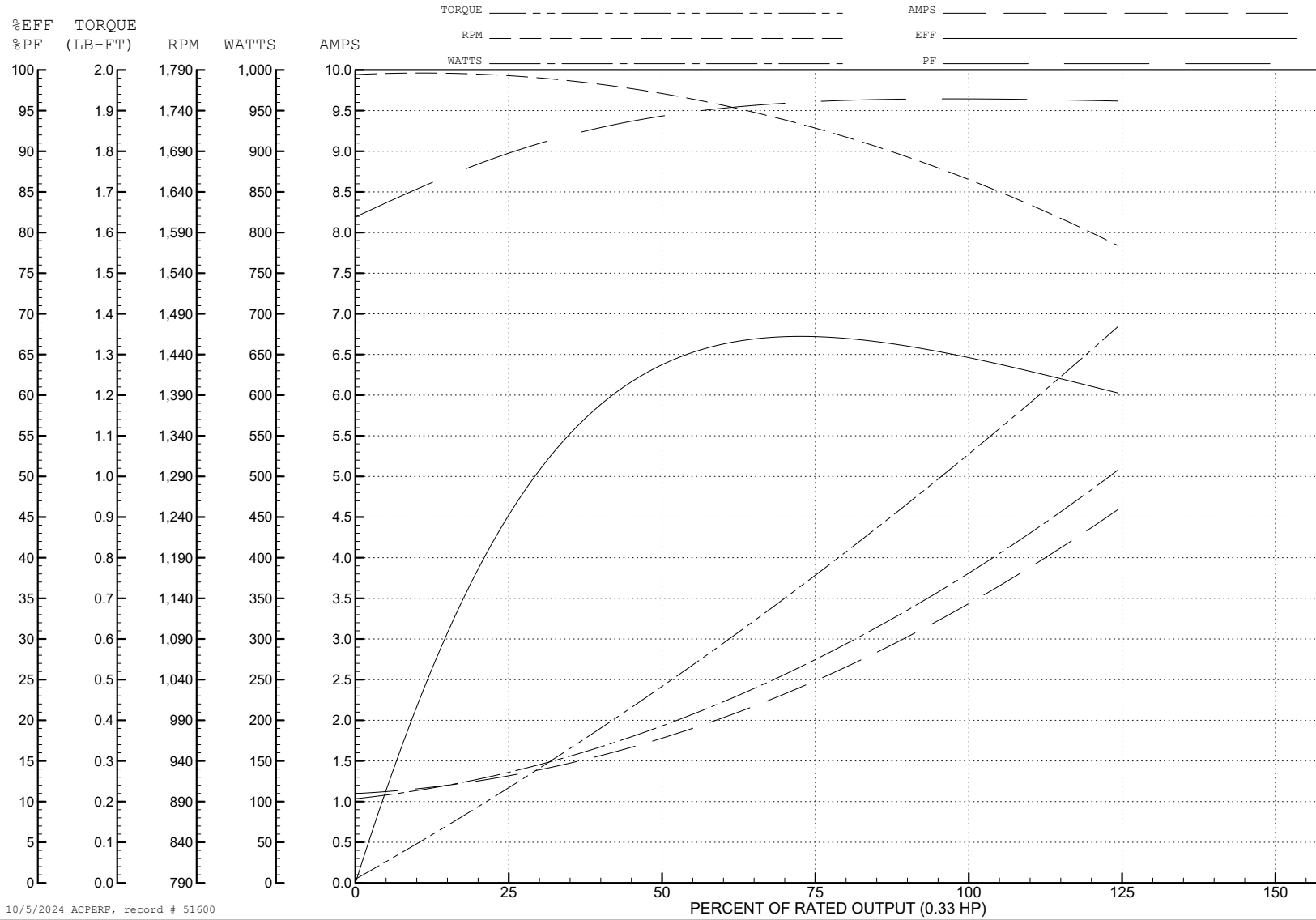
ABB Motors and Mechanical Inc.

WINDING # 34WGR235

Typical performance - not guaranteed values.

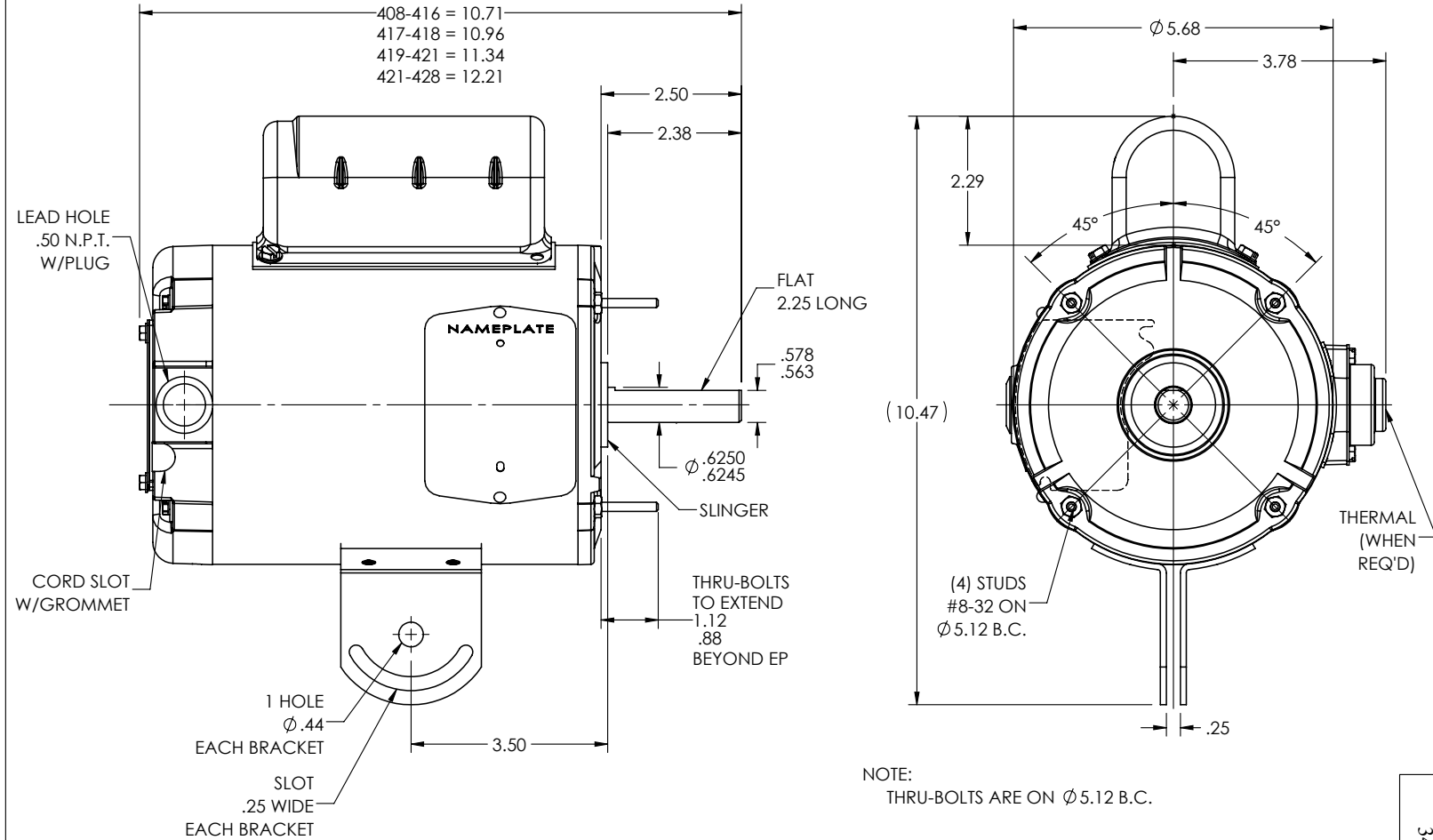
0.33 HP 1 PH 60 HZ 1625 RPM 115 V 3411C

TORQUES (LB-FT): PO=1.59 PU=0.321 LR=0.363 LRA=9.58



10/5/2024 ACPERF, record # 51600

34LYM197



NOTE:  
THRU-BOLTS ARE ON Ø 5.12 B.C.

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

REV. DESC: LOAD TO SOLIDWORKS - REV A			
REV: B	VERSION: 02	REVISED: 11:41:47 05/11/2023	TDR: 000001201165
34LYM197		MODEL NO. 34LYM197	REF: -
		BY: ENFRAJ0	

**BALDOR - RELIANCE®**

PED MOUNT 34C NEMA 56YZ TEAO TERM PANEL, EXT TBLTS

34LYM197

CD0798

