ABB BALDOR RELIANCE

Customer information packet

YPC345A

.5HP, 1625RPM, 1PH, 60HZ, 56YZ, 3414C, TEAO, F1
Class - None
Division - Not Applicable

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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	.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Yoke Pedestal
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.100 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
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	5.1 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	D
Lifting Lugs	No Lifting Lugs

Part Detail

Revision	H
Type	AC
Mech. spec.	34M197
Base	
Status	PRD/A
Elec. spec.	34WGR236
Layout	34LYM197
Eff. date	10-28-2024
CD Diagram	CD0798
Poles	04
Leads	5#18
Proprietary	False
Created date	07-01-2015

Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	5 @ 18 AWG
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3414C
Mounting Arrangement	F1
Number of Poles	4
Overall Length	10.68 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Flat Only (When Non-STD)
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	Shaft Slinger
Speed	1625 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	WG

Nameplate

NP1257L								
CAT.NO.	YPC345A							
SPEC.	34M197R236G1							
HP	.5							
VOLTS	115							
AMP	5.1							
RPM	1625							
FRAME	56YZ	**HZ**	60	**PH**	1			
SER.F.	1.00	**CODE**	D	**DES**	-	**CL**	B	
NEMA-NOM-EFF		**PF**						
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	TEAO	**SN**						

AC Induction Motor Performance Data
Record # 49836
Typical performance - not guaranteed values

Winding: 34WGR236-R001	**Type:** 3414C	**Enclosure:** TEAO

Nameplate Data			**115 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)		.5	**Full Load Torque**	1.62 LB-FT
Volts		115	**Start Configuration**	direct on line
Full Load Amps		5.1	**Breakdown Torque**	2.8 LB-FT
R.P.M.		1625	**Pull-up Torque**	0.382 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	0.512 LB-FT
NEMA Design Code	- **KVA Code**	D	**Starting Current**	17.7 A
Service Factor (S.F.)		1	**No-load Current**	1.75 A
NEMA Nom. Eff.	0 **Power Factor**	0	**Line-line Res. @ 25ºC**	2.1667 Ω A Ph 5.2933 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	87	92	95	96	95	94
Efficiency	42.3	63.6	70.2	70.9	68.3	59.6
Speed	1769.5	1751.8	1725.8	1692.3	1650.7	1563.7
Line amperes	2.36	2.99	3.94	5.02	6.3	8.34

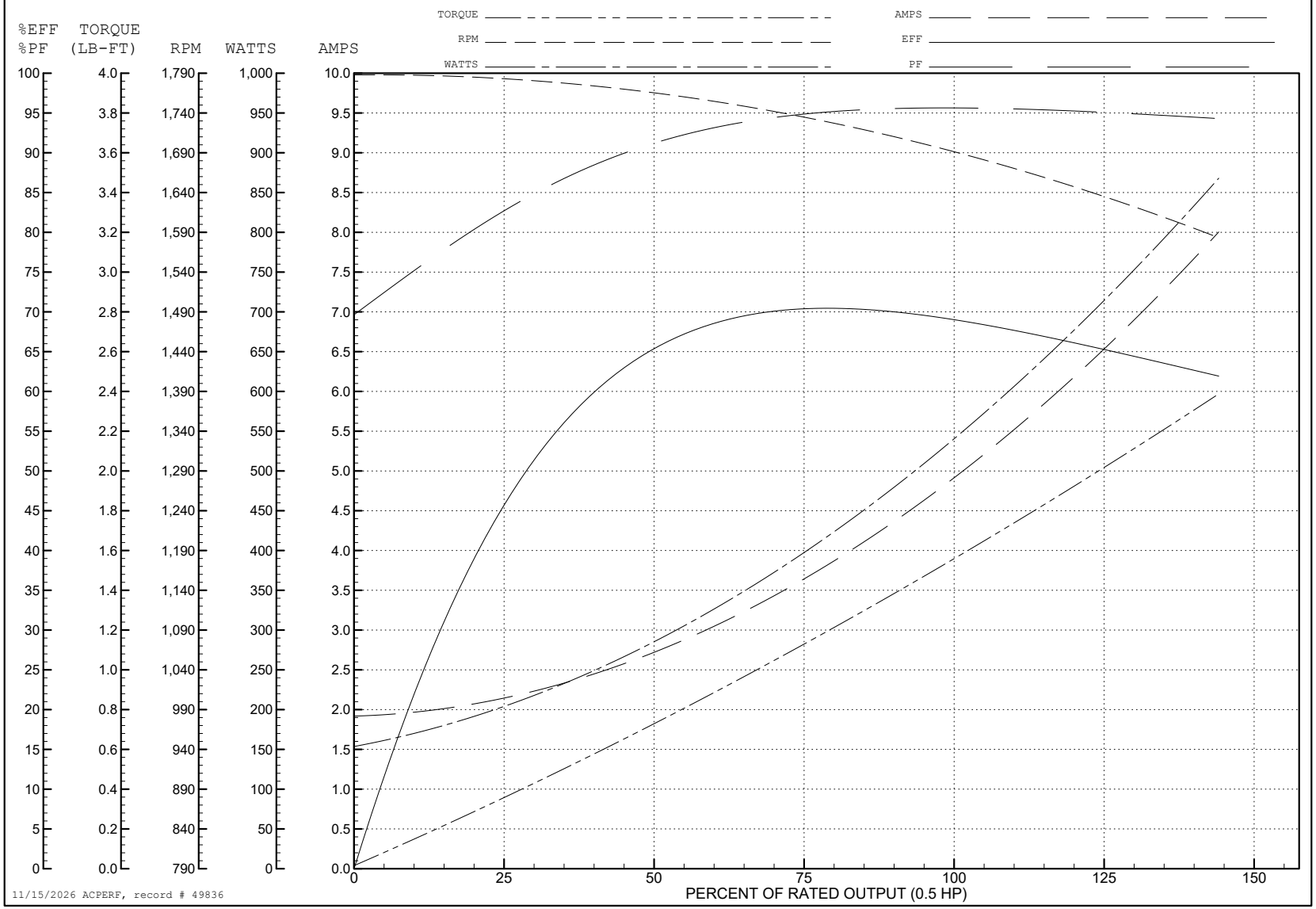
ABB Motors and Mechanical Inc.

WINDING # 34WGR236

0.5 HP 1 PH 60 HZ 1625 RPM 115 V 3414C

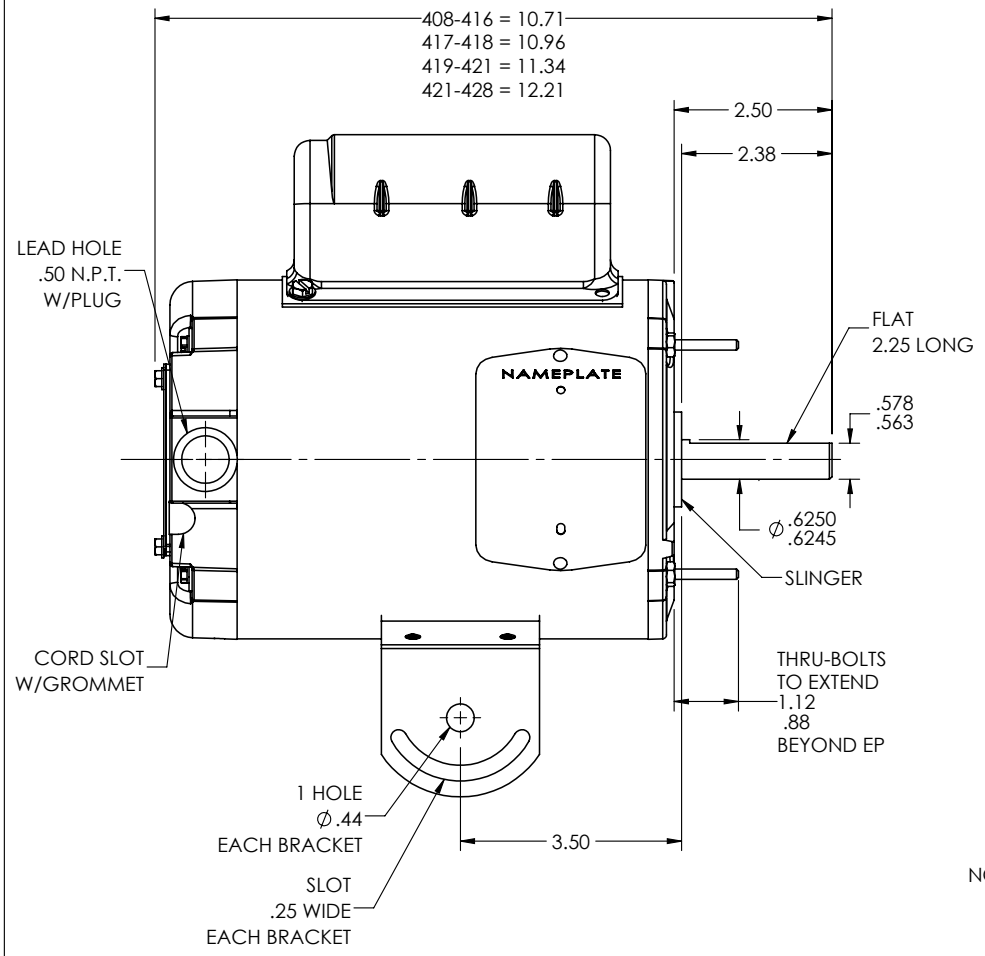
Typical performance - not guaranteed values.

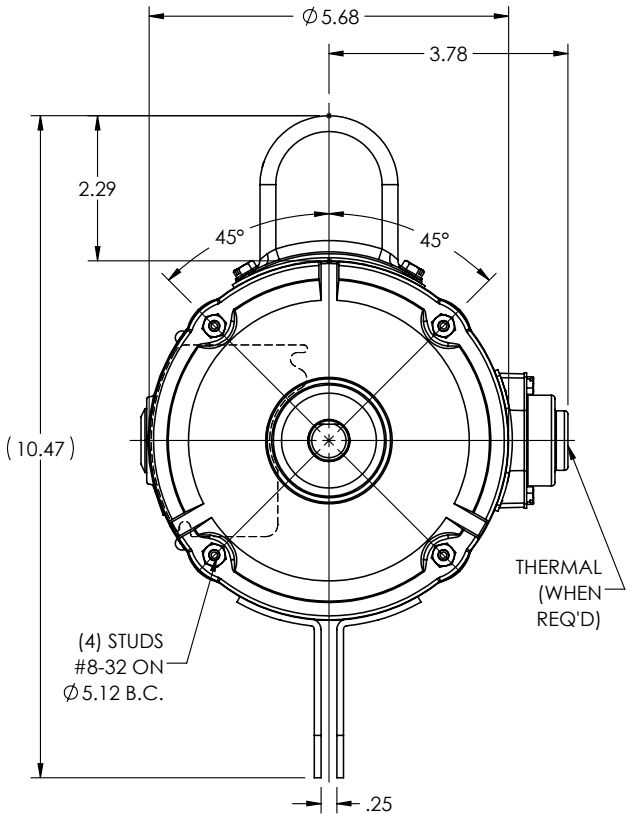
TORQUES(LB-FT): PO=2.8 PU=0.382 LR=0.512 LRA=17.7



11/15/2026 ACPERF, record # 49836

34LYM197





NOTE:
THRU-BOLTS ARE ON Ø5.12 B.C.

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

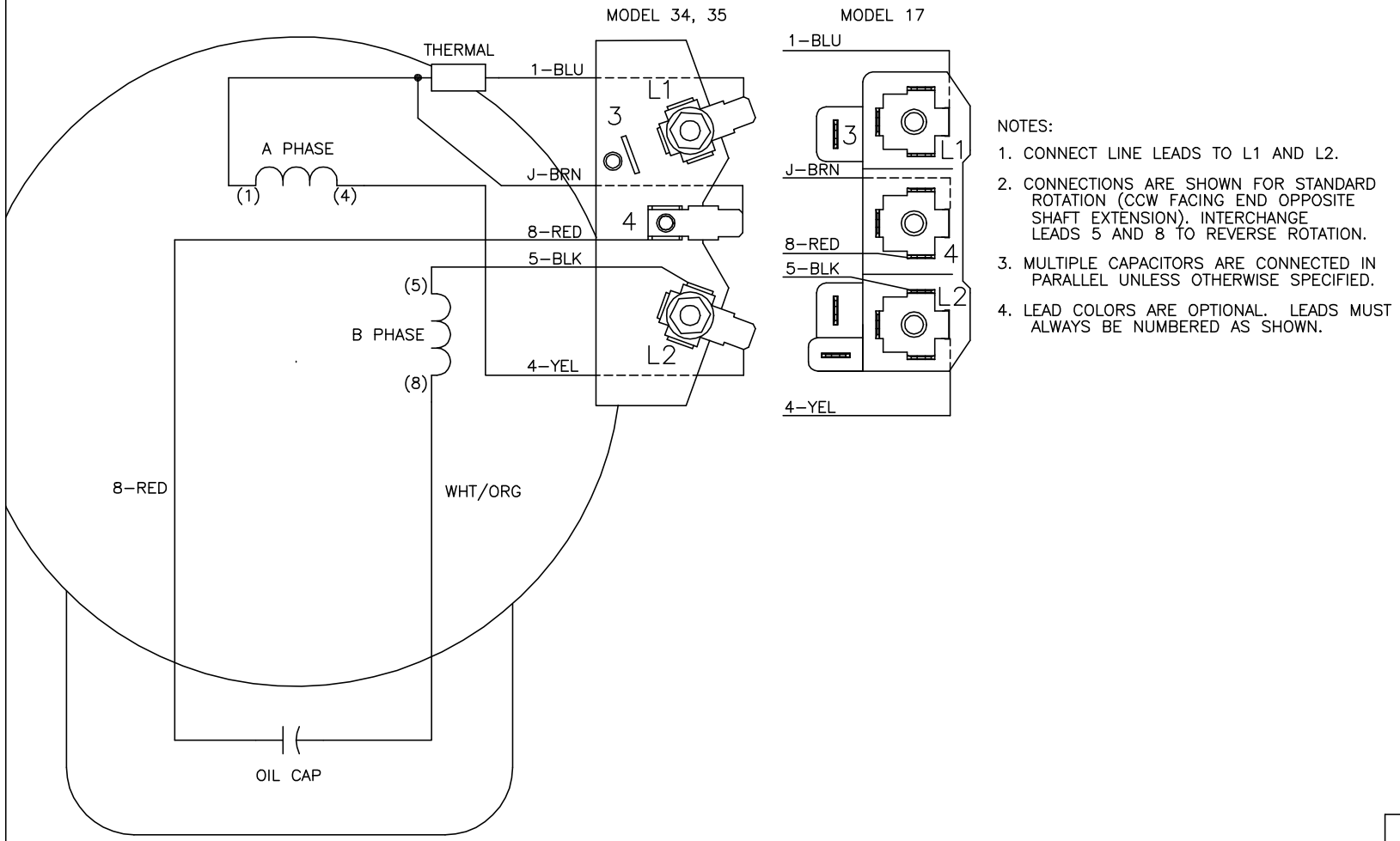
REV. DESC: LOAD TO SOLIDWORKS - REV A			
REV: B	VERSION: 02	REVISED: 11:41:47 05/11/2023	TDR: 000001201165
34LYM197	MODEL NO. 34LYM197		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

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

34LYM197

CD0798



NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0798

REV. DESC: OMIT (WHT/BLU) MARKER			BALDOR ELECTRIC Co.
REV. LTR: D	BY: MEM	REVISED: 10:36:40 11/25/2002	TDR: 288036
CD0798		FILE: AAA00007314	REF: CD0798
		MTL: –	TYPE C, SV, REV, THERMAL (T'STAT IN LINE), TERM PLATE