

**BALDOR • RELIANCE**

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# Customer information packet

## VXM050242A

0.25HP, 1725RPM, 3PH, 60HZ, 56C, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

Enclosure	XPFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	.250 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UL
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	.650 A @ 460.0 V 1.300 A @ 230.0 V 1.400 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	63.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater

## Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	34WG5724
Layout	34LY5336
Eff. date	05-01-2024
CD Diagram	CD0007
Poles	04
Leads	12#18
Proprietary	False
Created date	08-06-2020

<b>High Voltage Full Load Amps</b>	0.7 a
<b>Insulation Class</b>	B
<b>Inverter Code</b>	Not Inverter
<b>IP Rating</b>	NONE
<b>KVA Code</b>	L
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3410M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	13.22 IN
<b>Power Factor</b>	56
<b>Product Family</b>	Hazardous Location Motor
<b>Pulley Face Code</b>	C-Face
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1725 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>	EP
<b>Winding Thermal 2</b>	None

**Nameplate**

NP0016XPSL					
<b>NO.</b>		<b>CC</b>			
<b>SER. #</b>					
<b>SPEC</b>	34-0000-0389				
<b>CAT.NO.</b>	VXM050242A				
<b>H.P.</b>	.25	<b>T. CODE</b>	T3C		
<b>VOLTS</b>	208-230/460				
<b>AMPS</b>	1.4-1.3/.65				
<b>R.P.M.</b>	1725 34WG5724				
<b>HZ</b>	60	<b>PH</b>	3	<b>CLASS</b>	B
<b>SER.F.</b>	1.00	<b>DES</b>	B	<b>CODE</b>	L
<b>RATING</b>	40C AMB-CONT				
<b>FRAME</b>	56C	<b>NEMA NOM. EFF</b>	63		
	<b>PF</b>	56			
<b>BLANK</b>	NEMA MG-1 PART 5, IP54				

**AC Induction Motor Performance Data**

Record # 16504

Typical performance - not guaranteed values

<b>Winding:</b> 34WG5724-R001		<b>Type:</b> 3410M		<b>Enclosure:</b> XPFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	0.25		<b>Full Load Torque</b>	0.75 LB-FT	
<b>Volts</b>	208-230/460		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	1.4-1.3/0.65		<b>Breakdown Torque</b>	3.47 LB-FT	
<b>R.P.M.</b>	1725		<b>Pull-up Torque</b>	2.27 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	3	<b>Locked-rotor Torque</b>	2.57 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	L	<b>Starting Current</b>	3.45 A	
<b>Service Factor (S.F.)</b>	1		<b>No-load Current</b>	0.6 A	
<b>NEMA Nom. Eff.</b>	<b>63 Power Factor</b>	56	<b>Line-line Res. @ 25°C</b>	70.7 Ω	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>		

**Load Characteristics 460 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>150</b>
<b>Power Factor</b>	23	33	43	54	60	68
<b>Efficiency</b>	40.1	55.5	62.5	64	64.9	64.5
<b>Speed</b>	1785	1772	1758	1743	1729	1713
<b>Line amperes</b>	0.64	0.65	0.66	0.67	0.74	0.79

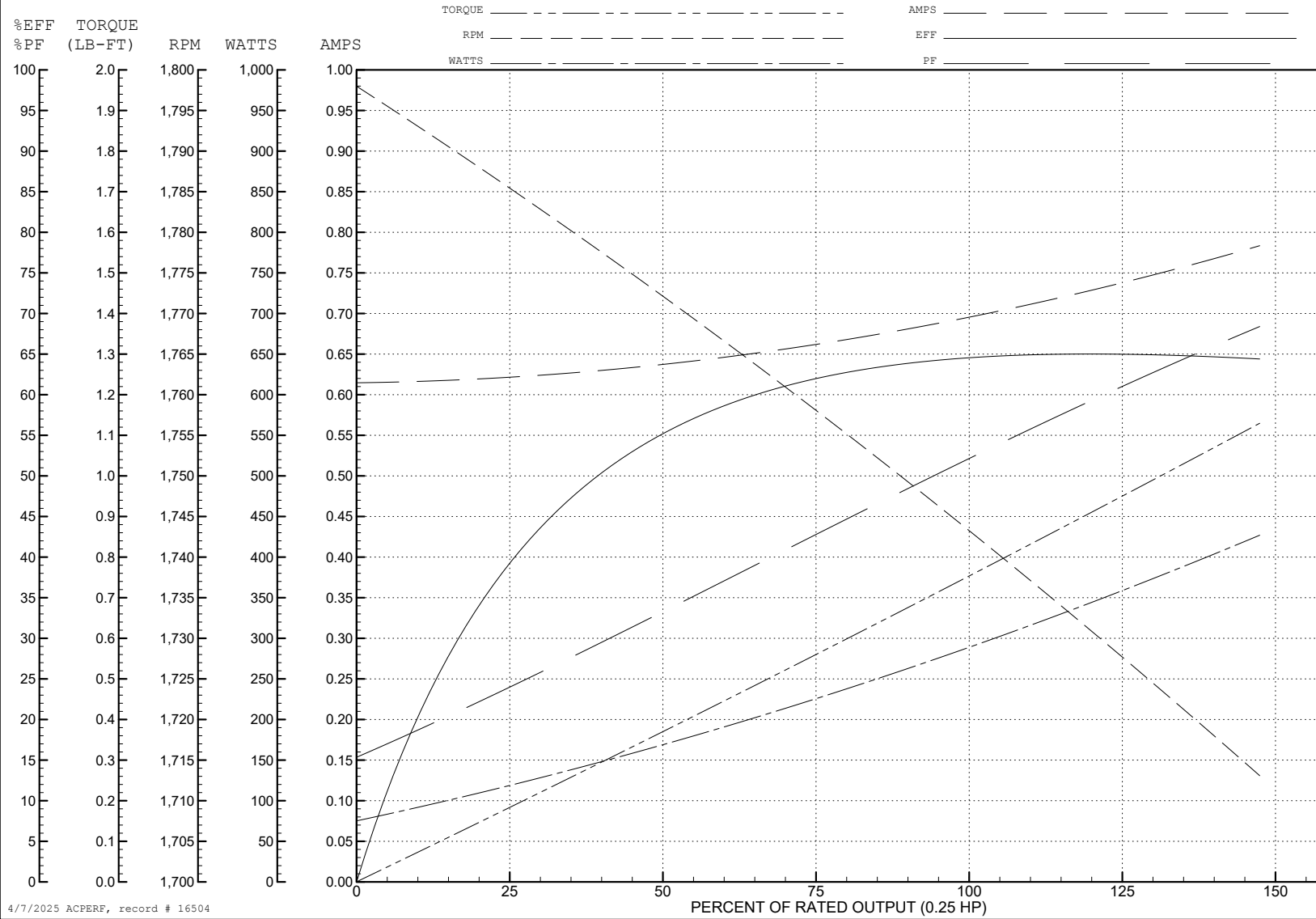
ABB Motors and Mechanical Inc.

WINDING # 34WG5724

0.25 HP 3 PH 60 HZ 1725 RPM 460 V 3410M

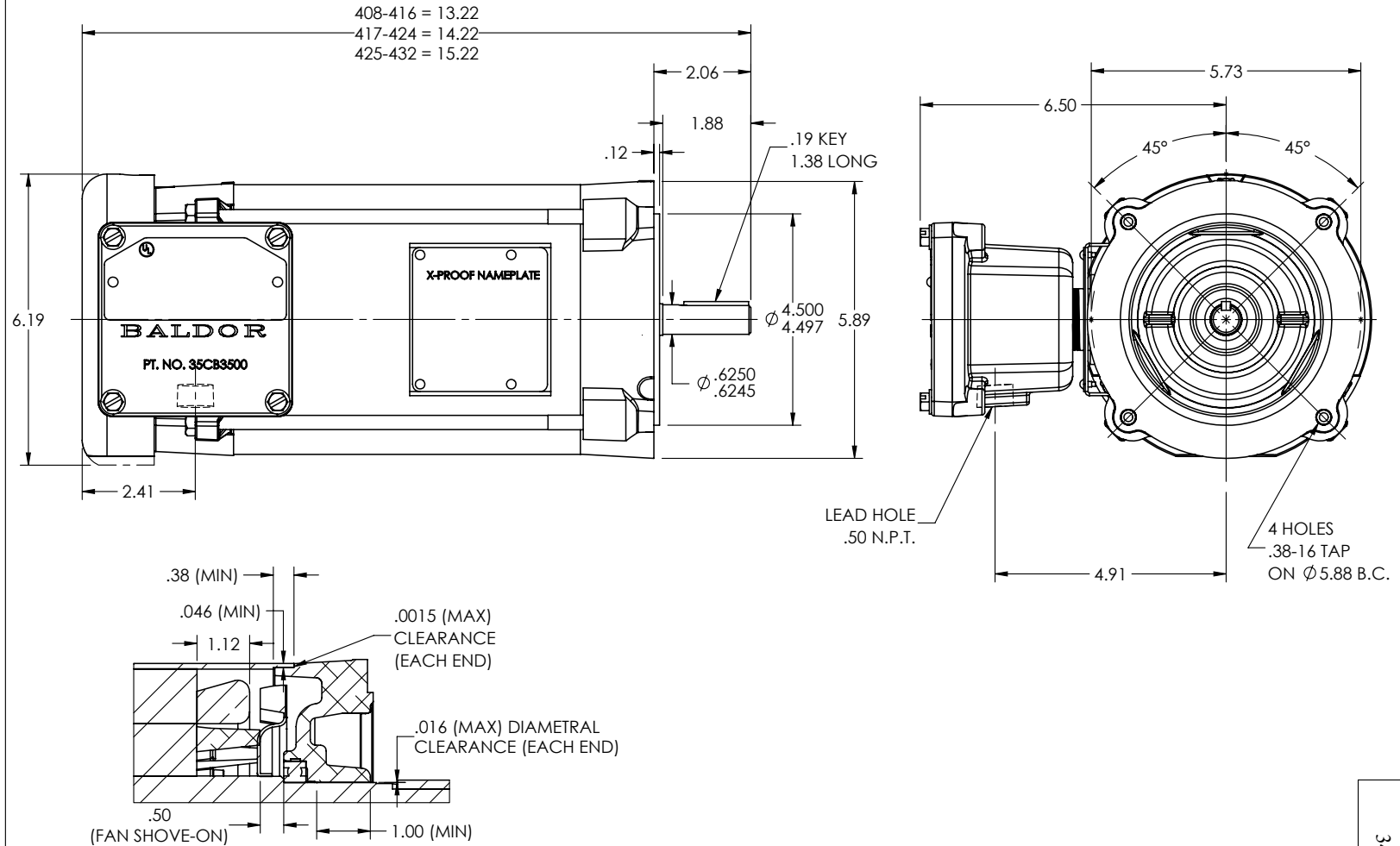
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=3.47 PU=2.27 LR=2.57 LRA=3.45



4/7/2025 ACPERF, record # 16504

34LY5336



**PULLEY END DETAIL**

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

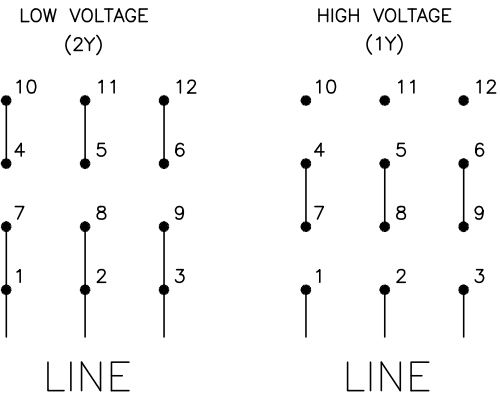
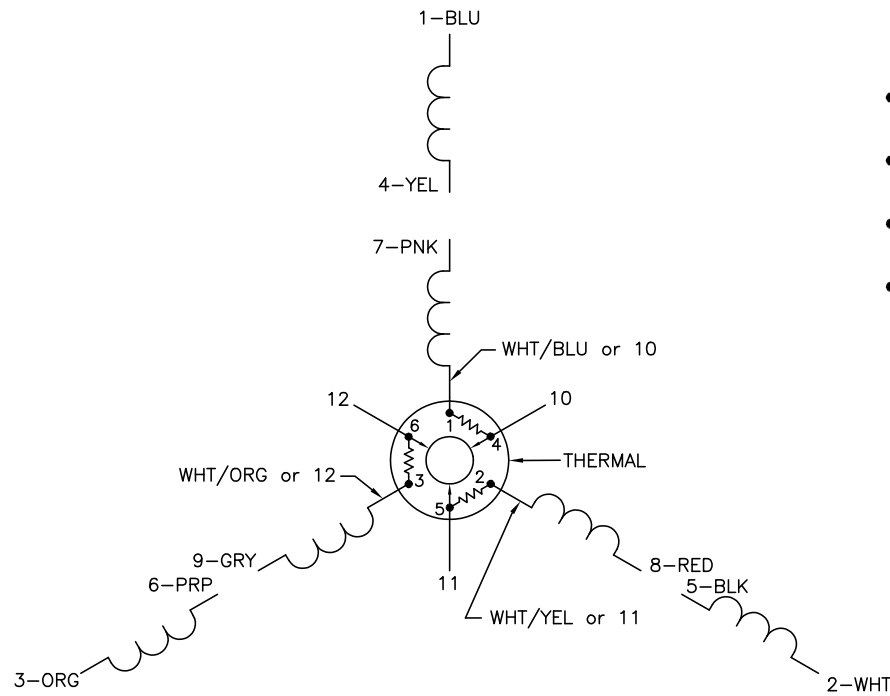
REV. DESC: LOAD TO SOLIDWORKS - REV K			
REV: L	VERSION: 08	REVISED: 08:27:57 04/05/2023	TDR: 000001201165
9ƎƎƎY7ƎƎ		MODEL NO. 34LY5336	REF: -
		BY: ENFRAJ0	

**BALDOR - RELIANCE®**

STD VERT X34M NEMA 56C TEFC W/ATO CL1 GP D, CL2 GP F & G

34LY5336

CD0007



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0007

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
L00000		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS