ABB BALDOR RELIANCE

Customer information packet

VXM050242A

0.25HP, 1725RPM, 3PH, 60HZ, 56C, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I

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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
Auxiliary Box	NO AUXILLARY BOX
Auxiliary 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

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

Nameplate

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

Parts List

Part number	Description	Quantity
SA385399	SA 34-0000-0389	1.000 ea
RA375640	RA 34-0000-0389	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
LC0007	CONNECTION LABEL	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
NP0018W	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 ea
TPMYJ80KX	THERMAL 3PH 0.75 AUT 120C	1.000 ea
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	2.000 ea
51XT0632A06	6-32X3/8 TY F HEX HD SLT	2.000 ea
HA6001A03	THERMAL RETAINER (PLATED)	1.000 ea
HA6001A01	THERMAL RETAINER (PLATED)	1.000 ea
NS2500A05	INSULATOR, AUTO THER PROT	1.000 ea
NS2500A01	INSULATOR, AUTO THER PROT	1.000 ea
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3104A03	THRUBOLT 5/16-18 X 7.625 W QTE#457	4.000 ea
34EP3703A01	FR ENDPLATE, MACH XP	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3705A01SP	PU ENDPLATE, MACH	1.000 ea
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 ea
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 ea
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 ea

SP5037A01	TERMINAL PLATE ASS'Y MODEL 34 - 3 PHASE	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
HA1025A13	WSHR,FELT,.38" THICK F-26 CLASS	1.000 ea
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	12.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	12.000 ea
MG1025G29	WILKOFAST, 789.229, DARK CHARCOAL GRAY	0.014 ga
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
MJ5000A09	EFI KIT #1578 (400 ML CARTRIDGE OF EFI	0.031 ea

AC Induction Motor Performance Data
Record # 16504
Typical performance - not guaranteed values

Winding: 34WG5724-R001	**Type:** 3410M	**Enclosure:** XPFC

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

Load Characteristics 460 V, 60 Hz, 0.25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	23	33	43	54	60	68
Efficiency	40.1	55.5	62.5	64	64.9	64.5
Speed	1785	1772	1758	1743	1729	1713
Line amperes	0.64	0.65	0.66	0.67	0.74	0.79

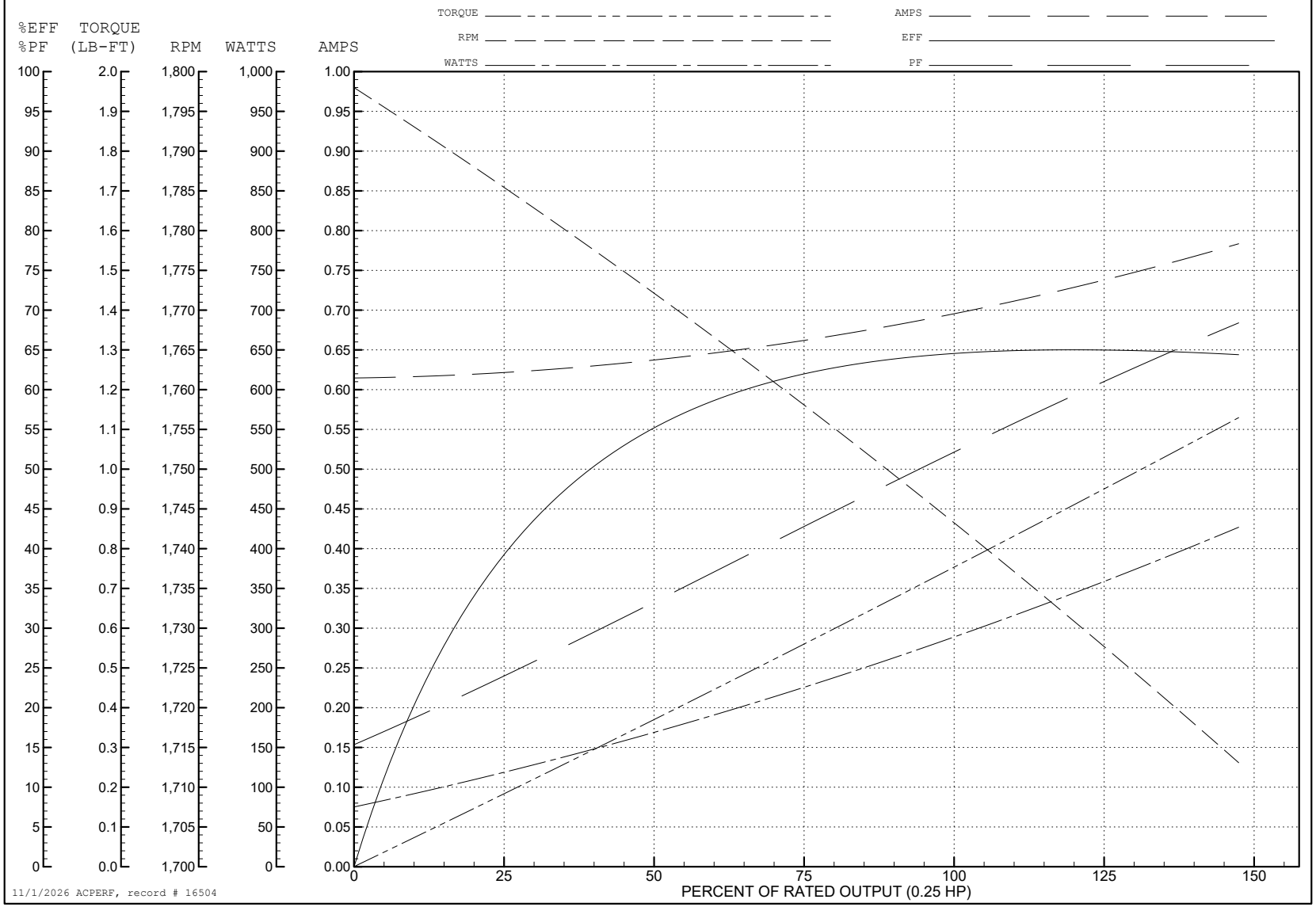
ABB Motors and Mechanical Inc.

WINDING # 34WG5724

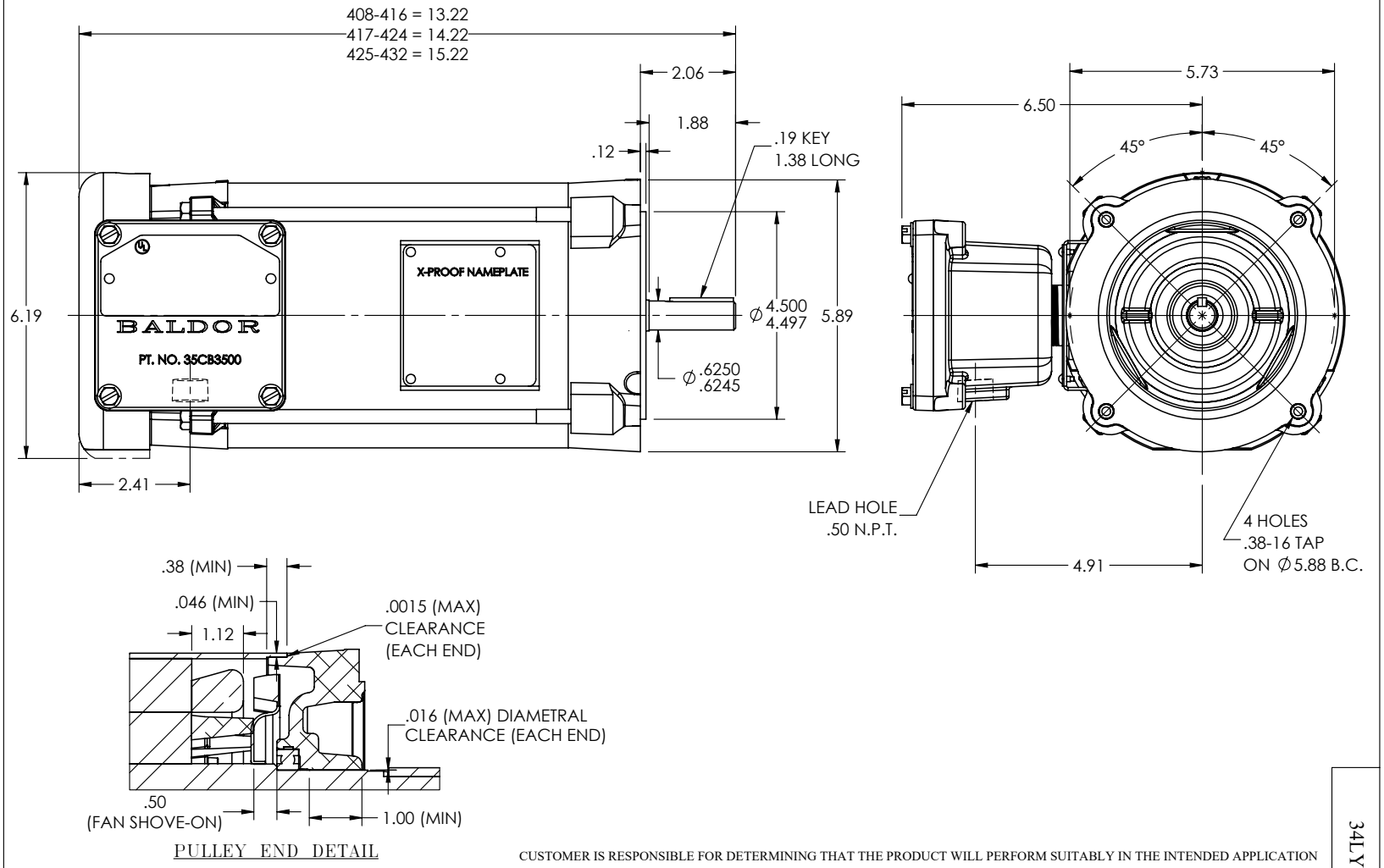
0.25 HP 3 PH 60 HZ 1725 RPM 460 V 3410M

Typical performance - not guaranteed values.

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



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
MODEL NO. 34LY5336			REF: -
BY: ENFRAJ0			

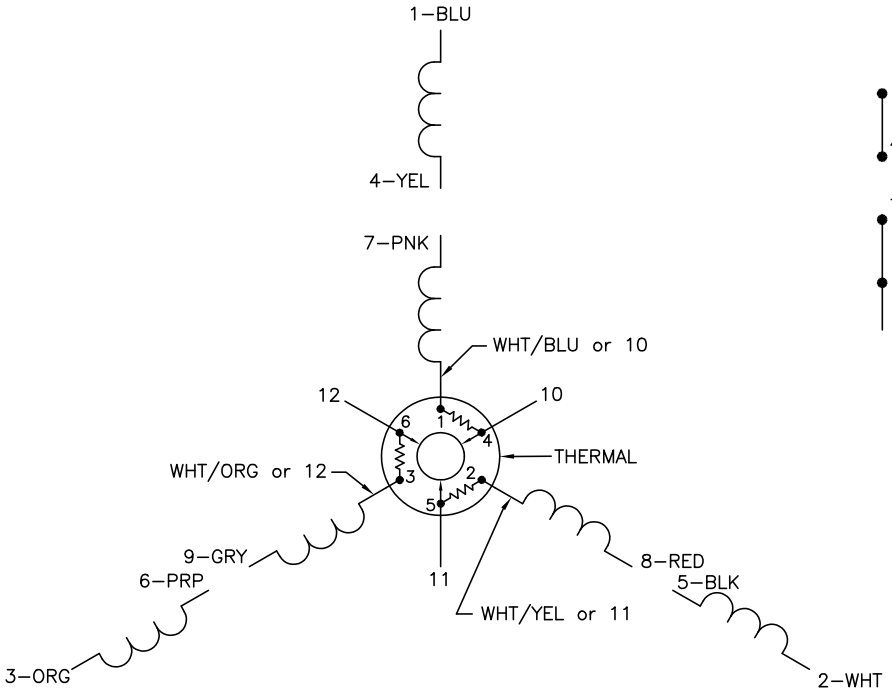
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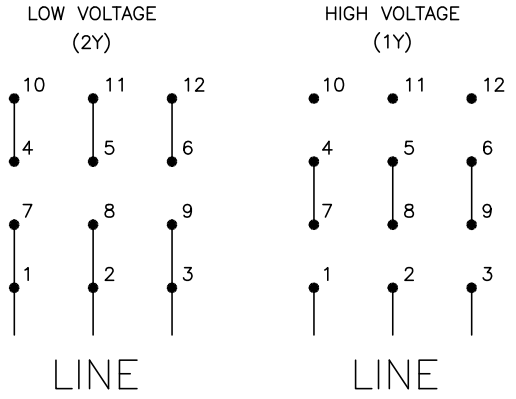
STD VERT X34M NEMA 56C TEFC W/ATO CL1 GP D, CL2 GP F & G

34LY5336

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.

REV. DESC: ADDED "CK" PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
CD0007		FILE: AAA00008370	MDL: –
		MTL: –	3PH, DV, THERMAL, 12 LEADS

CD0007