

ABB BALDOR RELIANCE III

Customer information packet

VXM050722A

0.75HP, 3450RPM, 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	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	1.300 A @ 460.0 V 2.600 A @ 230.0 V 2.700 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	34WG5722
Layout	34LY5336
Eff. date	05-01-2024
CD Diagram	CD0007
Poles	02
Leads	12#18
Proprietary	False
Created date	08-04-2020

High Voltage Full Load Amps	1.3 a
Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.22 IN
Power Factor	73
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	3450 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	34-0000-0385								
CAT.NO.	VXM050722A								
H.P.	.75		T. CODE		T3C				
VOLTS	208-230/460 34WG5722								
AMPS	2.7-2.6/1.3								
R.P.M.	3450 34WG5722								
HZ	60		PH	3	CLASS	B			
SER.F.	1.00		DES	B	CODE	K			
RATING	40C AMB-CONT								
FRAME	56C		NEMA NOM. EFF		75				
		PF	73						
BLANK	NEMA MG-1 PART 5, IP54								

Parts List

Part number	Description	Quantity
SA385408	SA 34-0000-0385	1.000 ea
RA375649	RA 34-0000-0385	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
TPMYJ68KX	THERMAL 3PH 0.75 AUT 120C	1.000 ea
51XT0632A06	6-32X3/8 TY F HEX HD SLT	2.000 ea
HA6001A01	THERMAL RETAINER (PLATED)	1.000 ea
NS2500A05	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 # 6819

Typical performance - not guaranteed values

Winding: 34WG5722-R001			Type: 3413M		Enclosure: XPFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		.75	Full Load Torque		1.2 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		2.7-2.6/1.3	Breakdown Torque		4.8 LB-FT			
R.P.M.		3450	Pull-up Torque		3.5 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		3.9 LB-FT		
NEMA Design Code		B	KVA Code	K	Starting Current		7.6 A	
Service Factor (S.F.)		1	No-load Current		0.85 A			
NEMA Nom. Eff.		75	Power Factor		73	Line-line Res. @ 25°C		24.6 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		64°C	

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	39	58	67	78	82	84
Efficiency	57.7	70.6	73.6	75.1	74.7	74
Speed	3553	3518	3481	3440	3395	3344
Line amperes	0.95	1.02	1.12	1.33	1.5	1.62

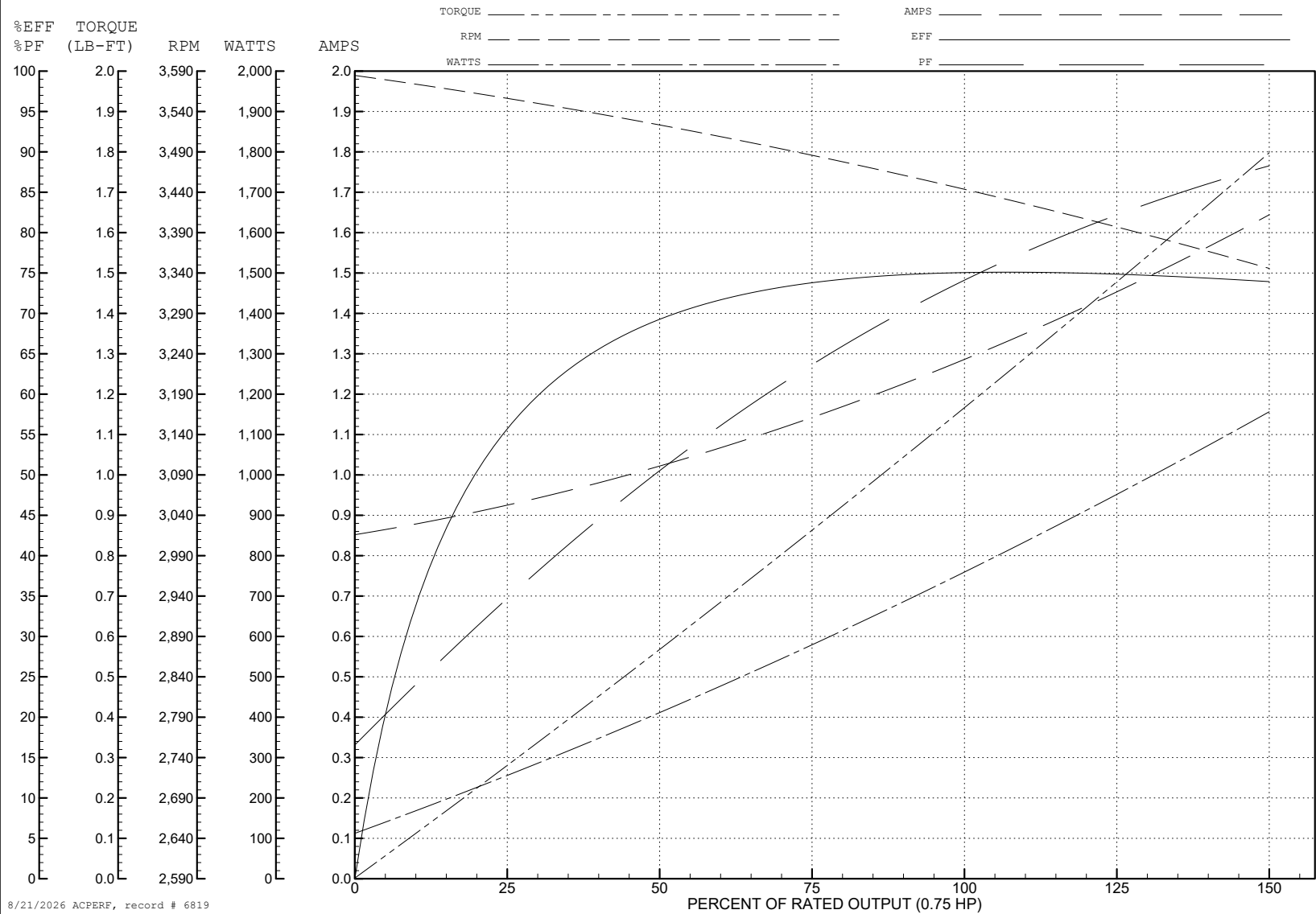
ABB Motors and Mechanical Inc.

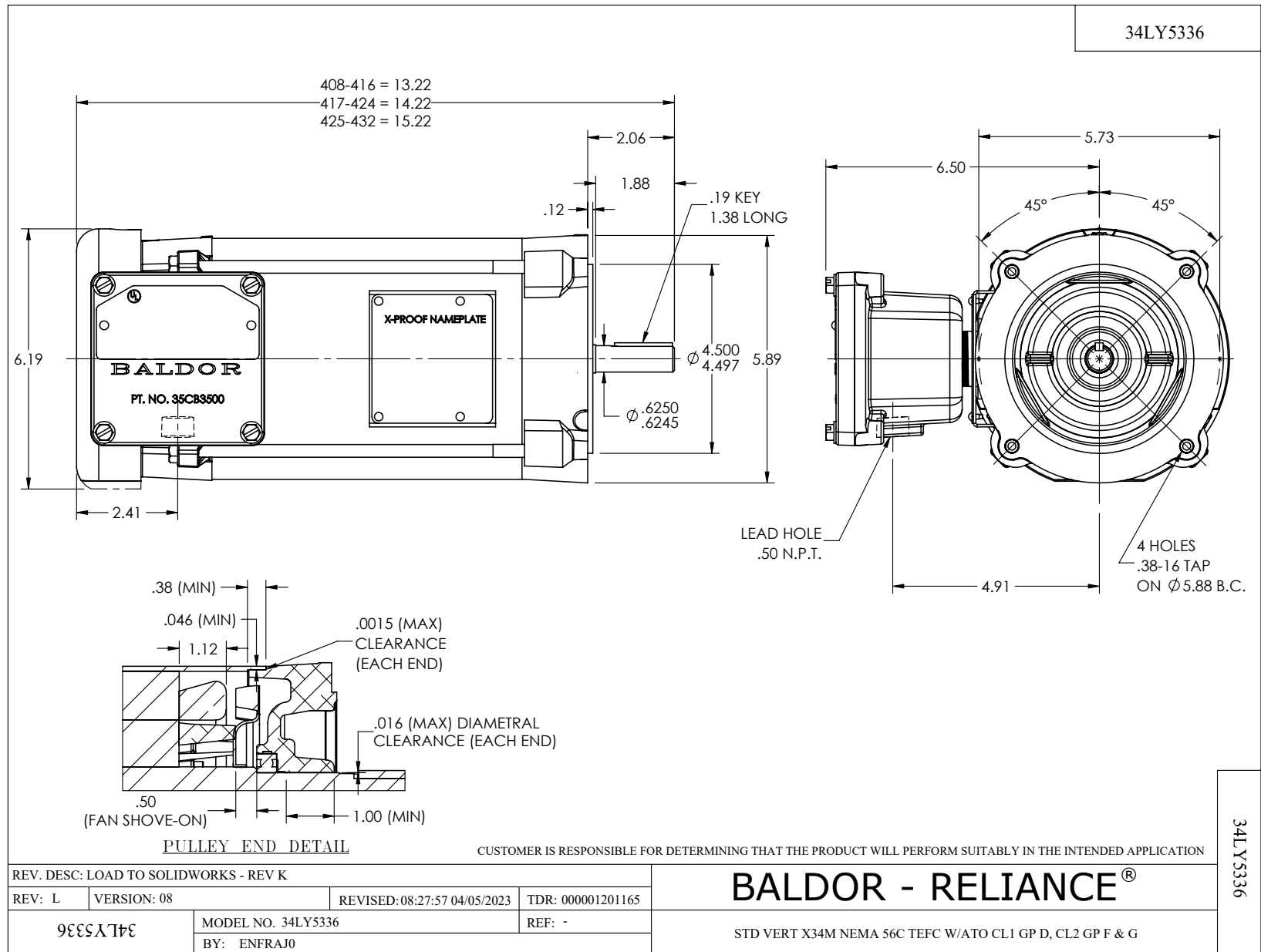
WINDING # 34WG5722

Typical performance - not guaranteed values.

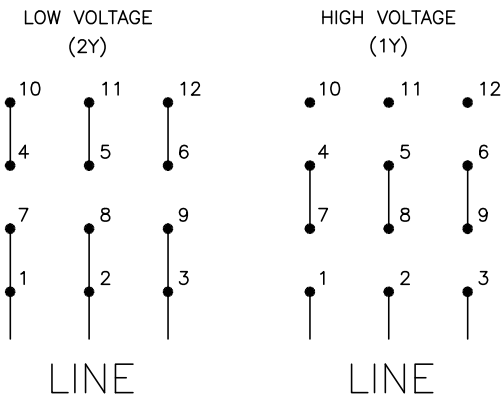
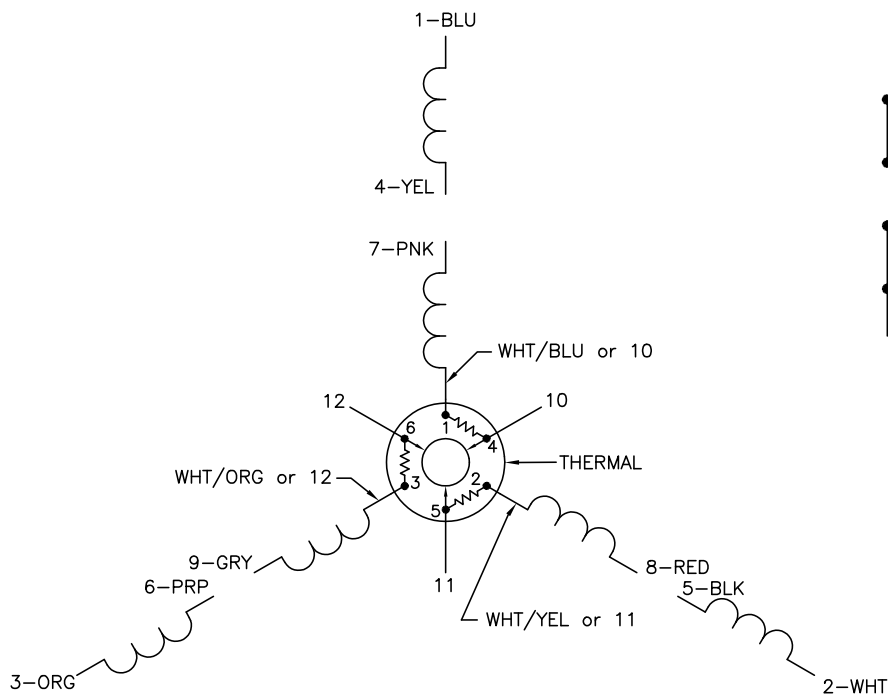
0.75 HP 3 PH 60 HZ 3450 RPM 460 V 3413M

TORQUES (LB-FT) : PO=4.8 PU=3.5 LR=3.9 LRA=7.6





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			
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

CD0007