

ABB BALDOR RELIANCE III

Customer information packet

XM050722A

.75HP, 3450RPM, 3PH, 60HZ, 56, 3413M, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56
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	Rigid
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	34LY5323
Eff. date	05-01-2024
CD Diagram	CD0007
Poles	02
Leads	12#18
Proprietary	False
Created date	03-10-2021

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	Standard
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	34-0000-0399								
CAT.NO.	XM050722A								
H.P.	.75		T. CODE		T3C				
VOLTS	208-230/460								
AMPS	2.7-2.6/1.3								
R.P.M.	3450								
HZ	60		PH	3	CLASS		B		
SER.F.	1.00		DES	B	CODE		K		
RATING	40C AMB-CONT								
FRAME	56		NEMA NOM. EFF					75	
		PF	73						
BLANK	NEMA MG-1 PART 5, IP54								

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

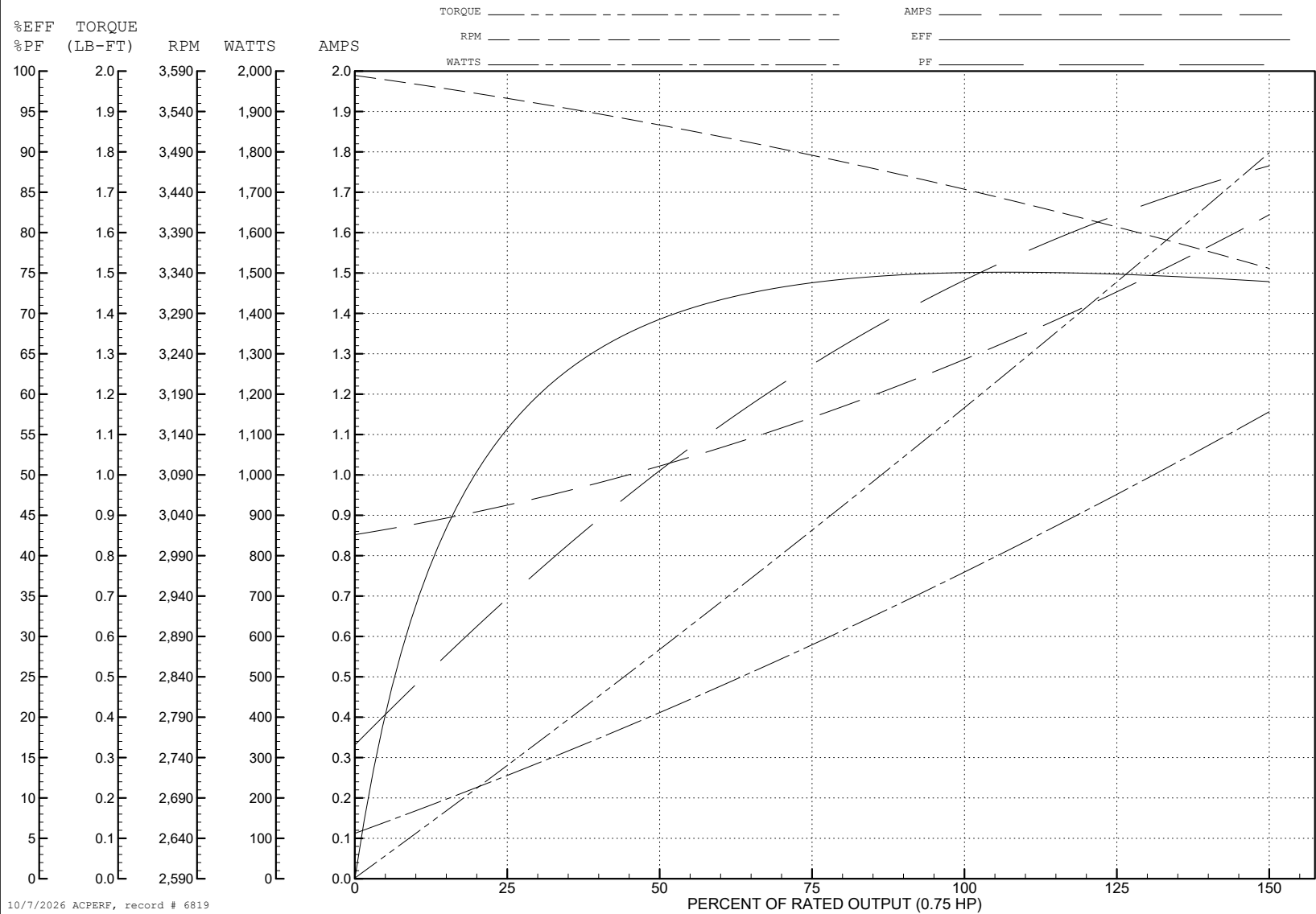
ABB Motors and Mechanical Inc.

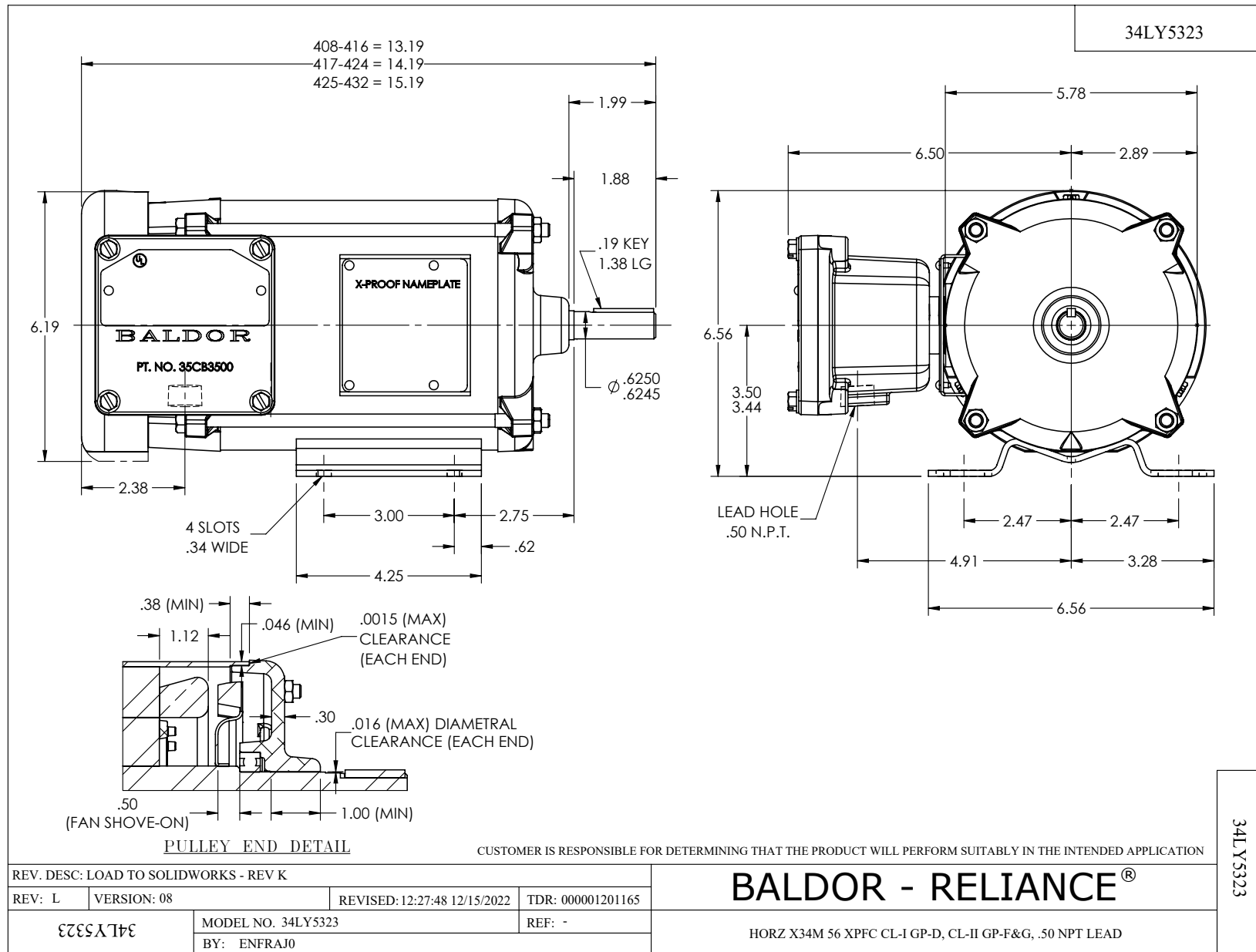
WINDING # 34WG5722

Typical performance - not guaranteed values.

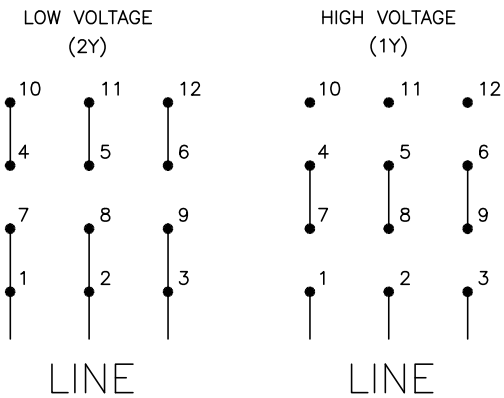
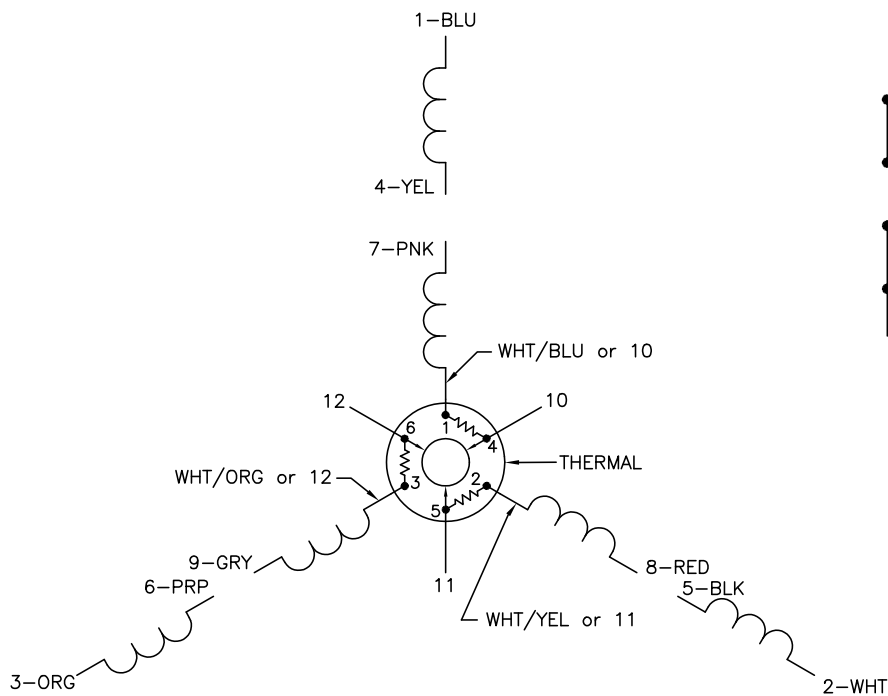
0.75 HP 3 PH 60 HZ 3450 RPM 460 V 3413M

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.

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