

ABB BALDOR RELIANCE III

Customer information packet

CXL21542

5HP, 1740RPM, 1PH, 60HZ, 215C, 3726LC, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	215C
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	Cap Start, Cap Run
Output @ Frequency	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	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	19.700 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T2C
Heater Indicator	No Heater
High Voltage Full Load Amps	19.7 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0036
Layout	37LY-000-351
Eff. date	03-19-2026
CD Diagram	CD0017A02
Poles	04
Leads	2#12 A PH,2#14 B PH
Proprietary	False
Created date	04-23-2021

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3726LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.56 IN
Power Factor	96
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1740 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1426XPSL									
NO.		CC							
SER.									
SPEC.	37-0000-0350								
CAT.NO.	CXL21542								
HP	5		T. CODE	T3C					
VOLTS	230								
AMPS	20								
RPM	1740								
HZ	60		PH	1	CL	F			
SER.F.	1.15		DES	L	CODE	G			
RATING	40C AMB-CONT								
FRAME	215C		NEMA-NOM-EFF						84
		PF	96						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 88068

Typical performance - not guaranteed values

Winding: 37WGA0036-R001			Type: 3726LC		Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		5	Full Load Torque		15.18 LB-FT			
Volts		230	Start Configuration		direct on line			
Full Load Amps		20	Breakdown Torque		30.2 LB-FT			
R.P.M.		1740	Pull-up Torque		31.5 LB-FT			
Hz	60 Phase	1	Locked-rotor Torque		35.3 LB-FT			
NEMA Design Code		L	KVA Code	G	Starting Current		130 A	
Service Factor (S.F.)		1.15	No-load Current		3.78 A			
NEMA Nom. Eff.		84	Power Factor		96	Line-line Res. @ 25°C		0.463 Ω A Ph 1.7 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		63°C		
S.F. Amps				Temp. Rise @ S.F. Load		79°C		
				Locked-rotor Power Factor		91		
				Rotor inertia		0.639 lb-ft²		

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	82	92	95	96	96	94	96
Efficiency	67.5	81	85.2	85.5	83.7	80.1	84.4
Speed	1788	1775	1761	1746	1727	1702	1735
Line amperes	7.14	10.85	15.12	19.97	25.25	32.22	23.1

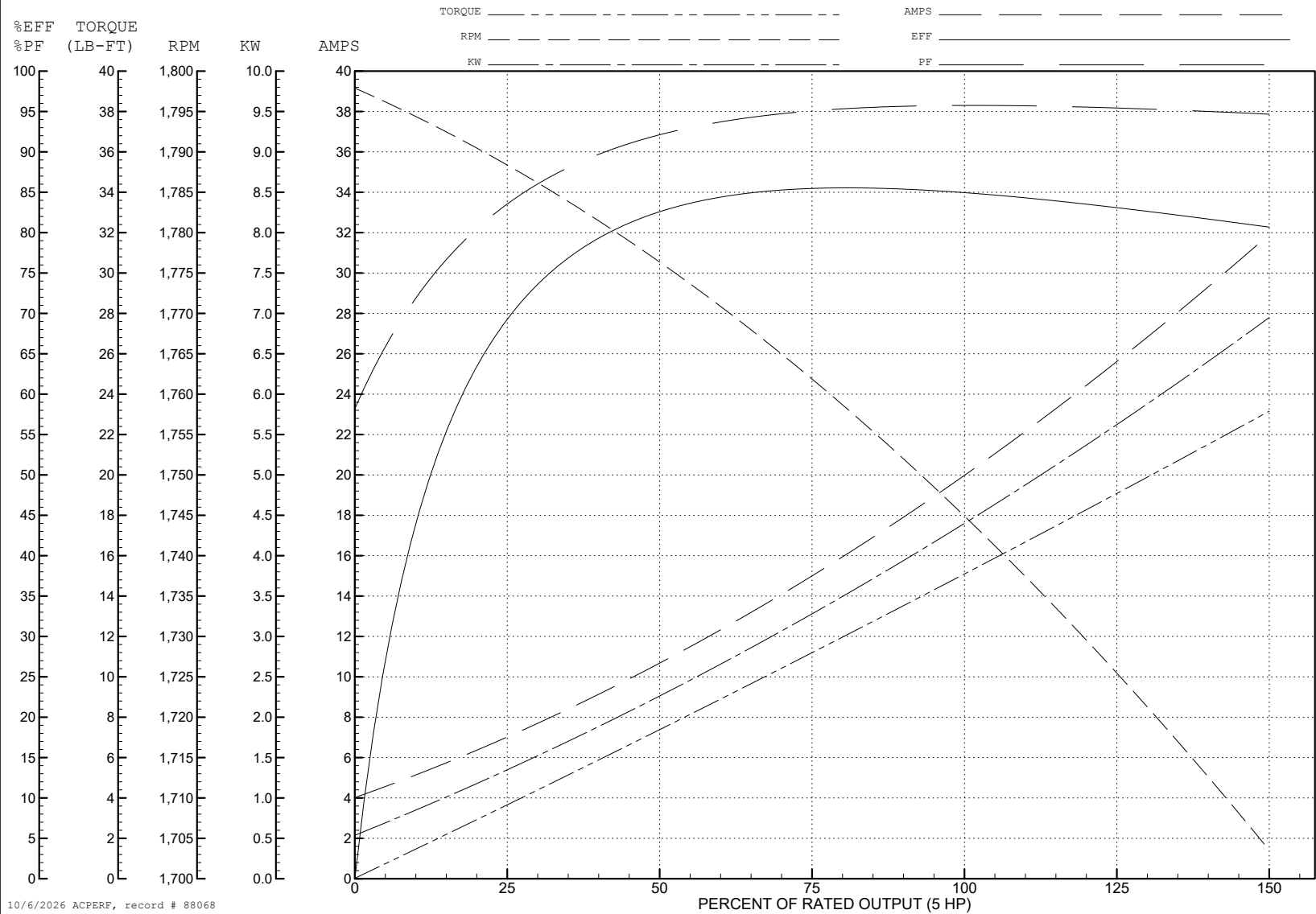
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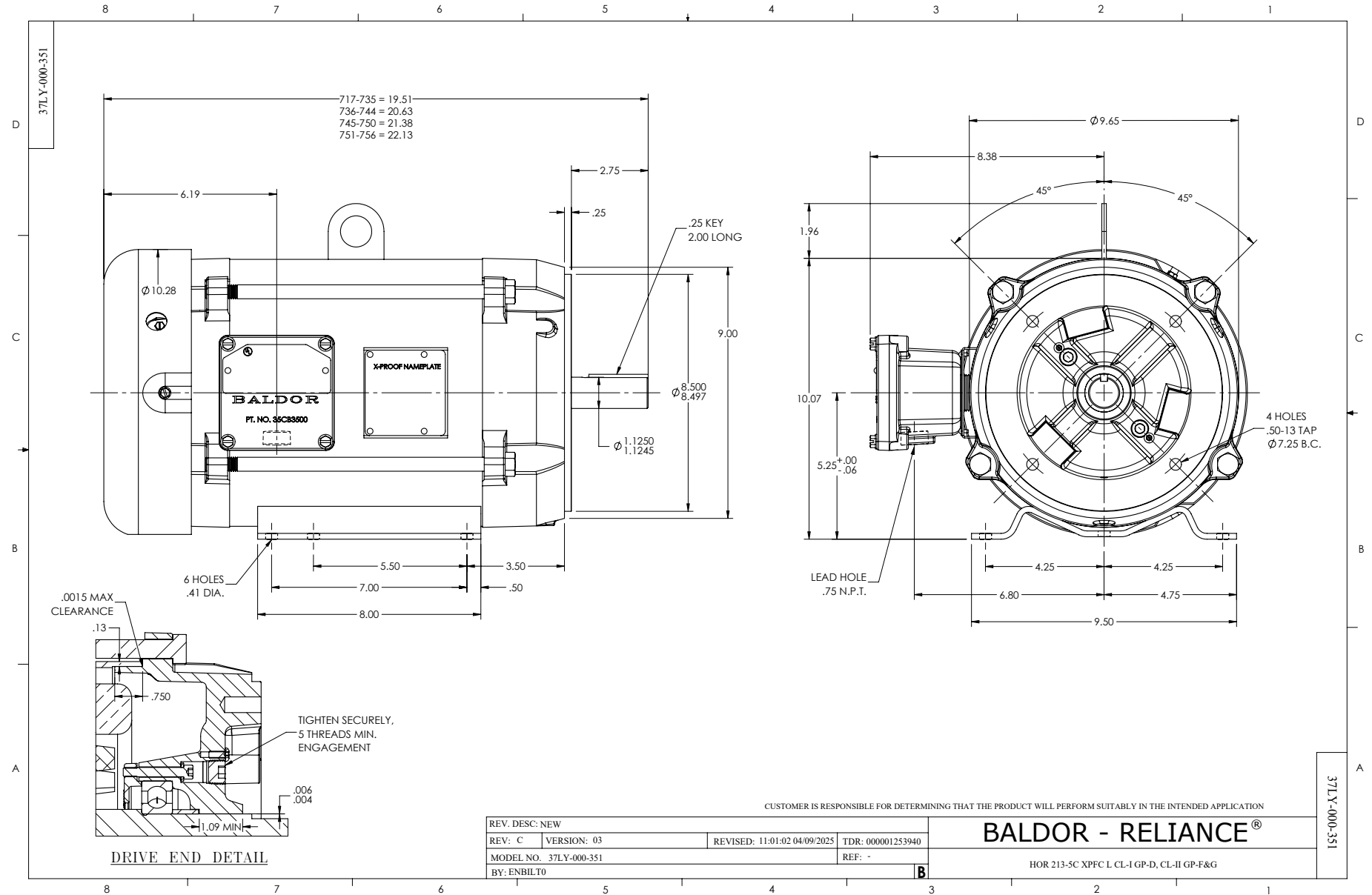
WINDING # 37WGA0036

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1740 RPM 230 V 3726LC

TORQUES (LB-FT): PO=30.2 PU=31.5 LR=35.3 LRA=130





CD0017A02

