

ABB BALDOR RELIANCE III

Customer information packet

XL21542

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

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	215
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	T3C
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	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0036
Layout	37LY-000-362
Eff. date	03-19-2026
CD Diagram	CD0017A02
Poles	04
Leads	2#12 A PH,2#14 B PH
Proprietary	False
Created date	04-30-2021

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3726LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.76 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.	37-0000-0390								
CAT.NO.	XL21542								
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	215		NEMA-NOM-EFF						84
		PF	96						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 87412

Typical performance - not guaranteed values

Winding: 37WGT877-R001				Type: 3726LC		Enclosure: TEFC		
Nameplate Data				230 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		5		Full Load Torque		15.14 LB-FT		
Volts		230		Start Configuration		Unknown		
Full Load Amps		20.5		Breakdown Torque		35.4 LB-FT		
R.P.M.		1750		Pull-up Torque		34.2 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		38.3 LB-FT		
NEMA Design Code		L	KVA Code	H		Starting Current		133 A
Service Factor (S.F.)		1.15		No-load Current		6.54 A		
NEMA Nom. Eff.		84	Power Factor	93		Line-line Res. @ 25°C		0.41482 Ω A Ph 1.1316 Ω B Ph
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		64°C
S.F. Amps						Temp. Rise @ S.F. Load		77°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	73	87	92	93	94	93	94
Efficiency	66.3	80.1	84.7	85.3	84.1	81.1	84.6
Speed	1789.1	1777.2	1764.6	1751.5	1734.9	1713.8	1742
Line amperes	8.1	11.6	15.8	20.6	25.7	32.3	23.7

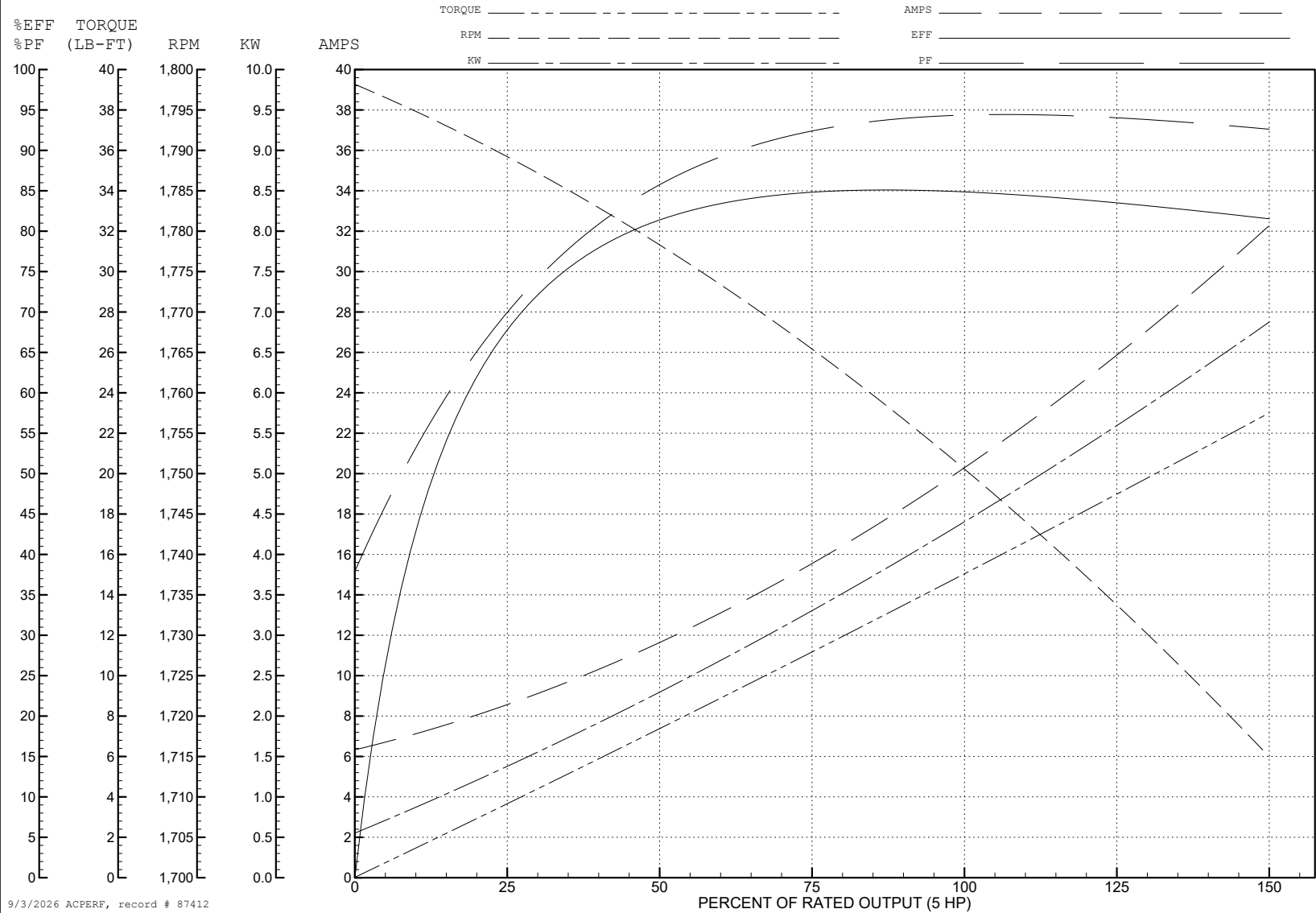
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WINDING # 37WGT877

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1750 RPM 230 V 3726LC

TORQUES (LB-FT): PO=35.4 PU=34.2 LR=38.3 LRA=133



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	
Service Factor (S.F.)		1.15	Starting Current		130 A	
NEMA Nom. Eff.		84	Power Factor		96	
Rating - Duty		40C	AMB-CONT		Line-line Res. @ 25°C	
S.F. Amps					0.463 Ω A Ph 1.7 Ω B Ph	
					Temp. Rise @ Rated Load	
					63°C	
					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

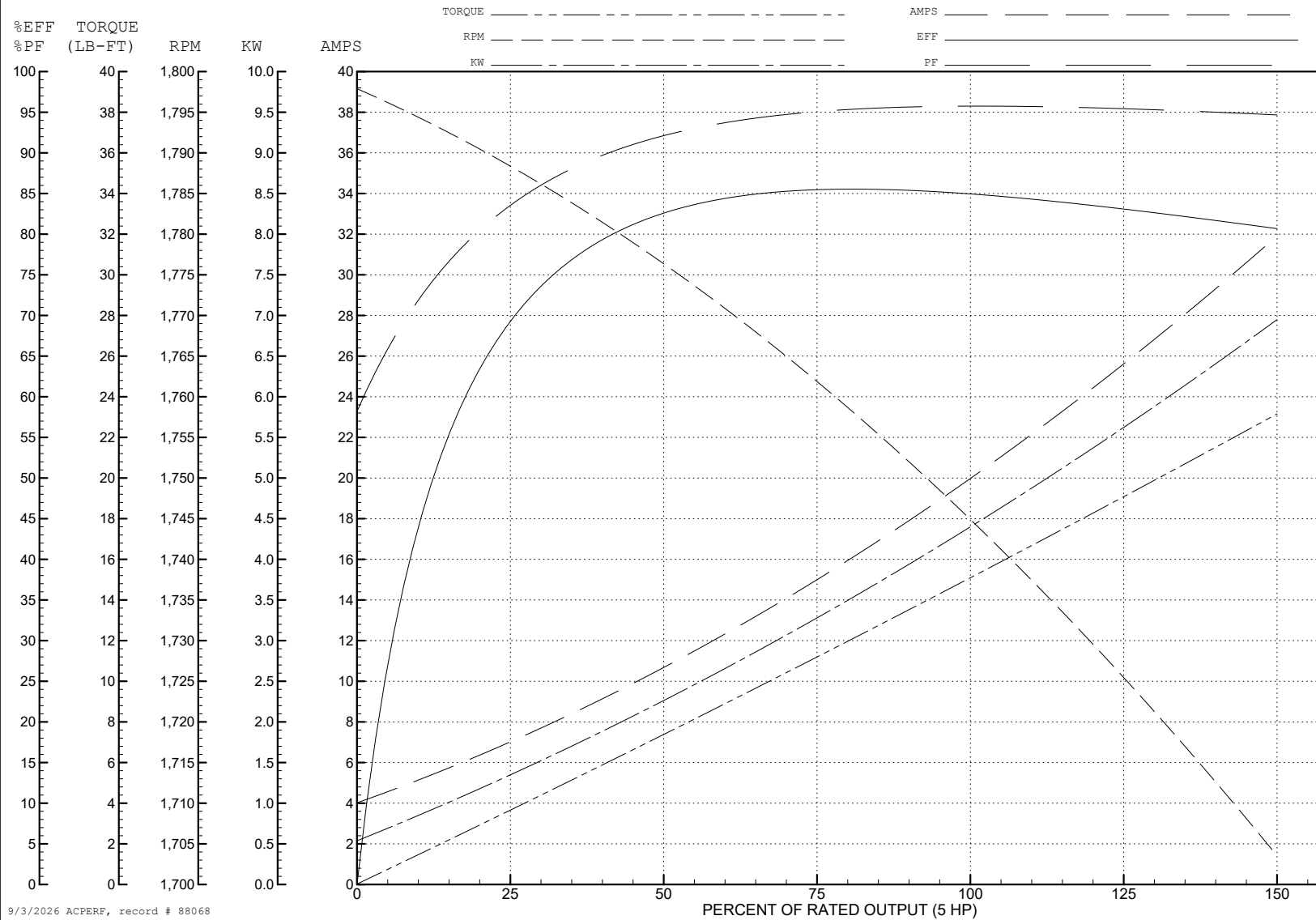
ABB Motors and Mechanical Inc.

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

