

ABB BALDOR RELIANCE III

Customer information packet

XL18322T

3HP, 3450RPM, 1PH, 60HZ, 184T, 3634L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	184T
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, Induction Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 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	14.500 A @ 230.0 V 29.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	76.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	14.5 a
Insulation Class	F

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGA0038
Layout	36LYN003
Eff. date	02-22-2024
CD Diagram	CD0001
Poles	02/02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	04-28-2021

IP Rating	NONE
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	17.42 IN
Power Factor	87
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	3450 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.	36-0000-0518								
CAT.NO.	XL18322T								
HP	3		T. CODE		T3C				
VOLTS	115/230								
AMPS	29/14.5								
RPM	3450								
HZ	60		PH	1	CL	F			
SER.F.	1.15		DES	L		CODE	G		
RATING	40C AMB-CONT								
FRAME	184T		NEMA-NOM-EFF					76	
		PF	87						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 88067

Typical performance - not guaranteed values

Winding: 36WG0201			Type: 3634L		Enclosure: XPFC	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		3	Full Load Torque		4.5 LB-FT	
Volts		115/230	Start Configuration		Unknown	
Full Load Amps		28.6/14.3	Breakdown Torque		11.9 LB-FT	
R.P.M.		3450	Pull-up Torque		6.08 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		8.41 LB-FT
NEMA Design Code		L	KVA Code		H	Starting Current
Service Factor (S.F.)		1.15	No-load Current		9.19 A	
NEMA Nom. Eff.		76	Power Factor		87	Line-line Res. @ 25°C
						0.156 Ω A Ph 0.85 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps		33.2/16.6			Temp. Rise @ S.F. Load	
					Locked-rotor Power Factor	
					Rotor inertia	

Load Characteristics 115 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	79	87	90	91	91	91
Efficiency	67.4	78.5	82	82.9	82.6	81.4	82.7
Speed	3576	3556	3534	3509	3482	3451	3493
Line amperes	11.6	15.6	20.6	26.2	32.4	39.3	29.9

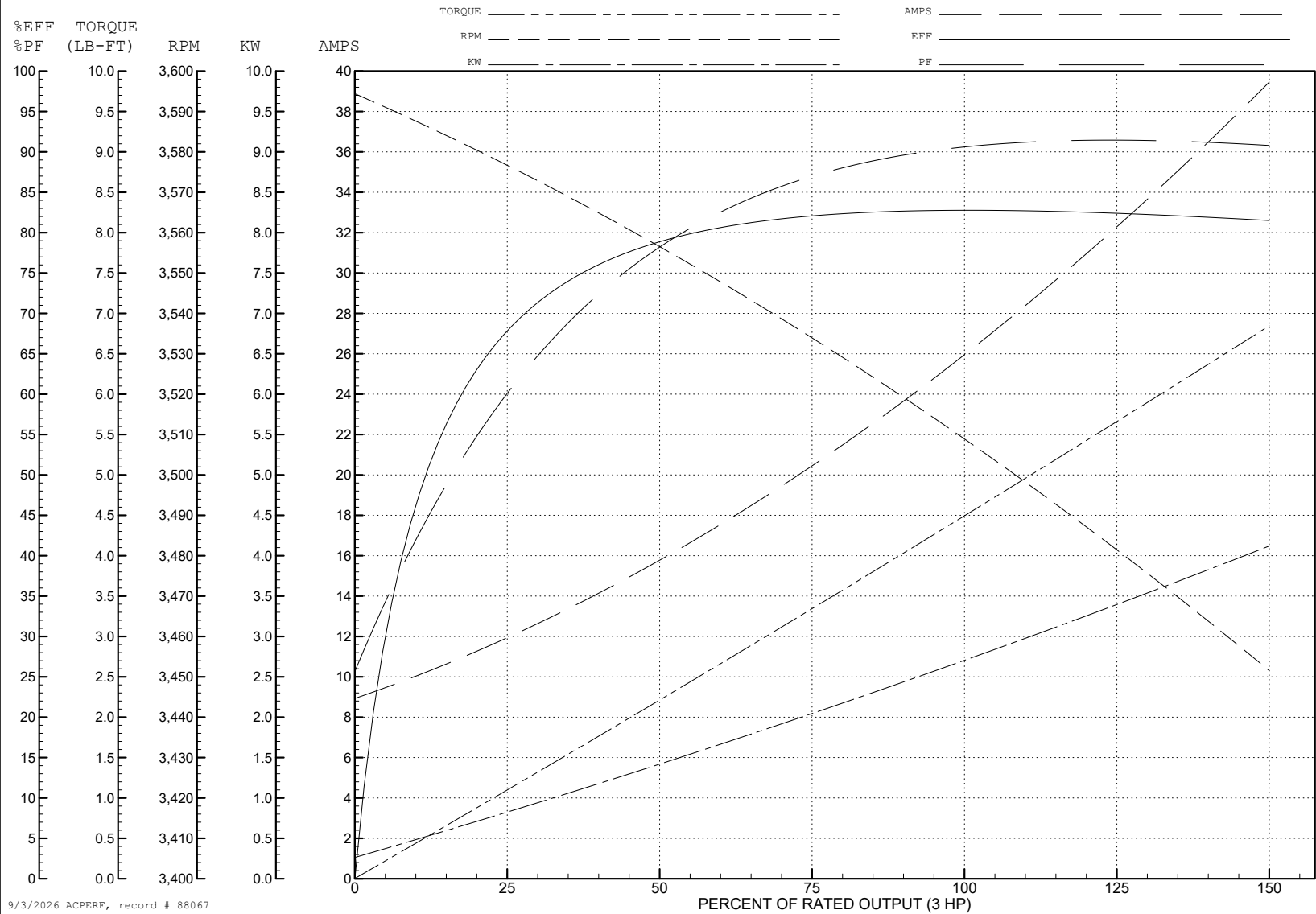
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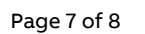
WINDING # 36WG0201

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 115 V 3634L

TORQUES (LB-FT): PO=11.9 PU=6.08 LR=8.41 LRA=134





CD0001

