

ABB BALDOR RELIANCE III

Customer information packet

XL181542

1.5HP, 1725RPM, 1PH, 60HZ, 184, 3628L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	184
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	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 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	9.500 A @ 230.0 V 19.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	AS
Type	AC
Mech. spec.	36N007
Base	
Status	PRD/A
Elec. spec.	36WG0079
Layout	36LYN007
Eff. date	10-10-2025
CD Diagram	CD0001
Poles	04
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	9.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X3628L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.92 IN
Power Factor	70
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 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.	36N07-79								
CAT.NO.	XL181542								
HP	1.5		T. CODE		T3C				
VOLTS	115/230								
AMPS	19/9.5								
RPM	1725								
HZ	60		PH	1	CL	F			
SER.F.	1.15		DES	L	CODE		L		
RATING	40C AMB-CONT								
FRAME	184		NEMA-NOM-EFF						70
		PF	70						
BLANK									

AC Induction Motor Performance Data

Record # 96049

Typical performance - not guaranteed values

Winding: 36WG0079-R011			Type: 3628L	Enclosure: XPFC			
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		4.5 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		19/9.5	Breakdown Torque		14 LB-FT		
R.P.M.		1725	Pull-up Torque		12 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		16 LB-FT	
NEMA Design Code		L	KVA Code	L	Starting Current		68 A
Service Factor (S.F.)		1.15		No-load Current		7.1 A	
NEMA Nom. Eff.		70	Power Factor	70	Line-line Res. @ 25°C		1.16 Ω A Ph 0.581 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		67°C	
S.F. Amps				Temp. Rise @ S.F. Load		76°C	

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	50	61	68	75	79	72
Efficiency	56.2	66.9	72.6	77.7	76.2	72.8	76.8
Speed	1784	1776	1764	1754	1742	1727	1747
Line amperes	7.3	7.8	8.8	9.6	10.9	12.6	10.4

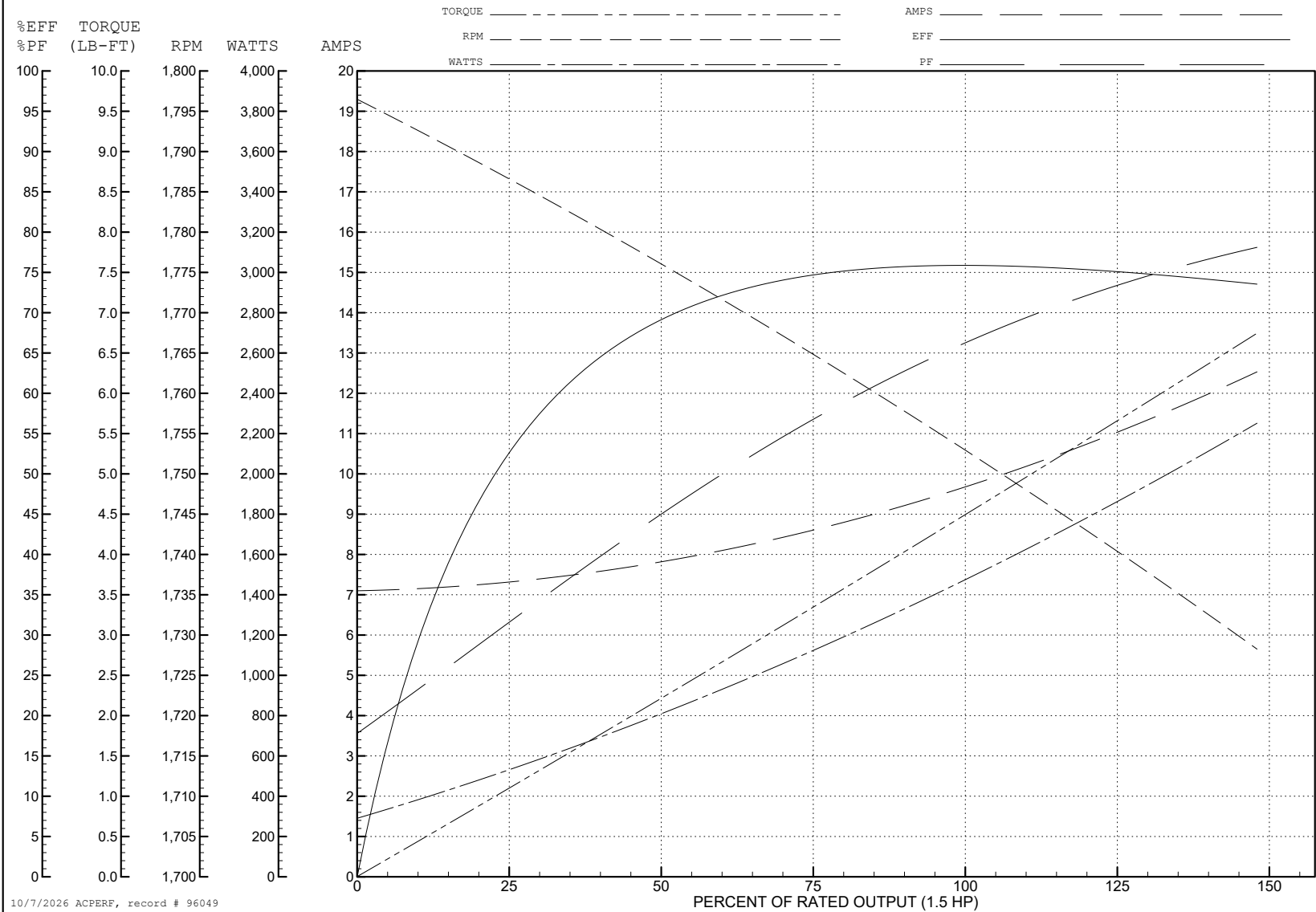
ABB Motors and Mechanical Inc.

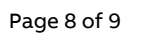
WINDING # 36WG0079

Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 1725 RPM 230 V 3628L

TORQUES (LB-FT): PO=14 PU=12 LR=16 LRA=68





CD0001

