

ABB BALDOR RELIANCE III

Customer information packet

XL18162

1HP, 1140RPM, 1PH, 60HZ, 184, 3634L, 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	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ 208.0 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	15.100 A @ 115.0 V 7.400 A @ 208.0 V 7.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	67.0 %
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.	36WGA0040
Layout	36LYN007
Eff. date	10-10-2025
CD Diagram	CD0001
Poles	06
Leads	6#16
Proprietary	False
Created date	05-05-2021

High Voltage Full Load Amps	7.4 a
Insulation Class	F
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	3634L
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.92 IN
Power Factor	63
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1140 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.	36-0000-0520								
CAT.NO.	XL18162								
HP	1		T. CODE	T3C					
VOLTS	115/208-230								
AMPS	15.1/7.4-7.5								
RPM	1140								
HZ	60		PH	1		CL	F		
SER.F.	1.15		DES	L		CODE	K		
RATING	40C AMB-CONT								
FRAME	184		NEMA-NOM-EFF					67	
		PF	63						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 88072

Typical performance - not guaranteed values

Winding: 36WG0608			Type: 3634L		Enclosure: XPFC	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		1	Full Load Torque		4.5 LB-FT	
Volts		115/208-230	Start Configuration		Unknown	
Full Load Amps		15.1/7.4-7.5	Breakdown Torque		11 LB-FT	
R.P.M.		1140	Pull-up Torque		8.91 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		12.7 LB-FT
NEMA Design Code		L	KVA Code		K	Starting Current
Service Factor (S.F.)		1.15	No-load Current		11.1 A	
NEMA Nom. Eff.		67	Power Factor		63	Line-line Res. @ 25°C
Rating - Duty		40C	AMB-CONT		0.417 Ω A Ph 1.84 Ω B Ph	
S.F. Amps		16.6/8.4-8.3	Temp. Rise @ Rated Load		69°C	
			Temp. Rise @ S.F. Load		77°C	
			Locked-rotor Power Factor		85.1	
			Rotor inertia		0.319 lb-ft²	

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	43	53	62	68	72	66
Efficiency	47.4	62.8	69.5	72.6	73.6	73.3	73.2
Speed	1192	1185	1177	1169	1160	1149	1164
Line amperes	11.4	12.1	13.1	14.5	16.3	18.5	15.6

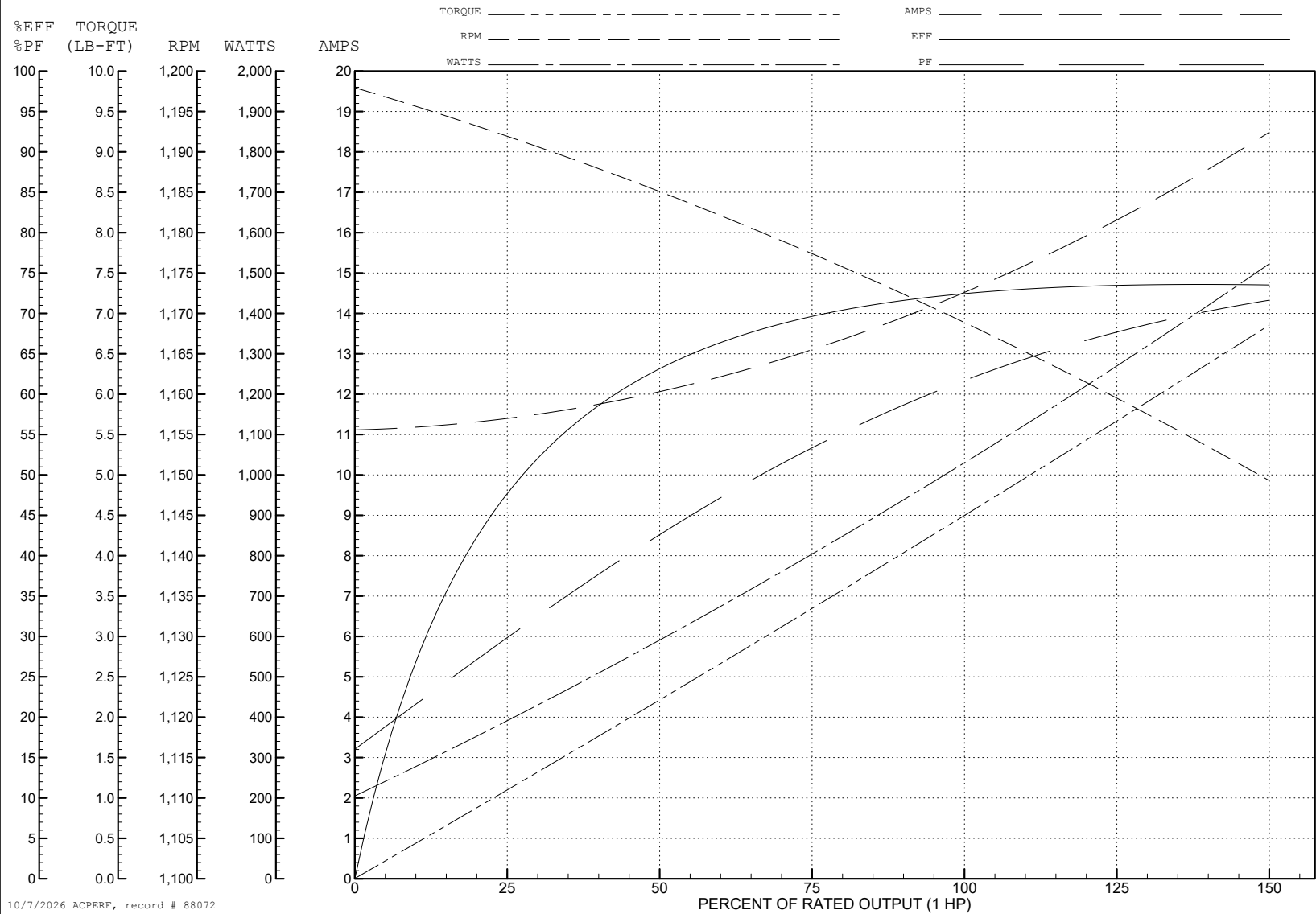
ABB Motors and Mechanical Inc.

WINDING # 36WG0608

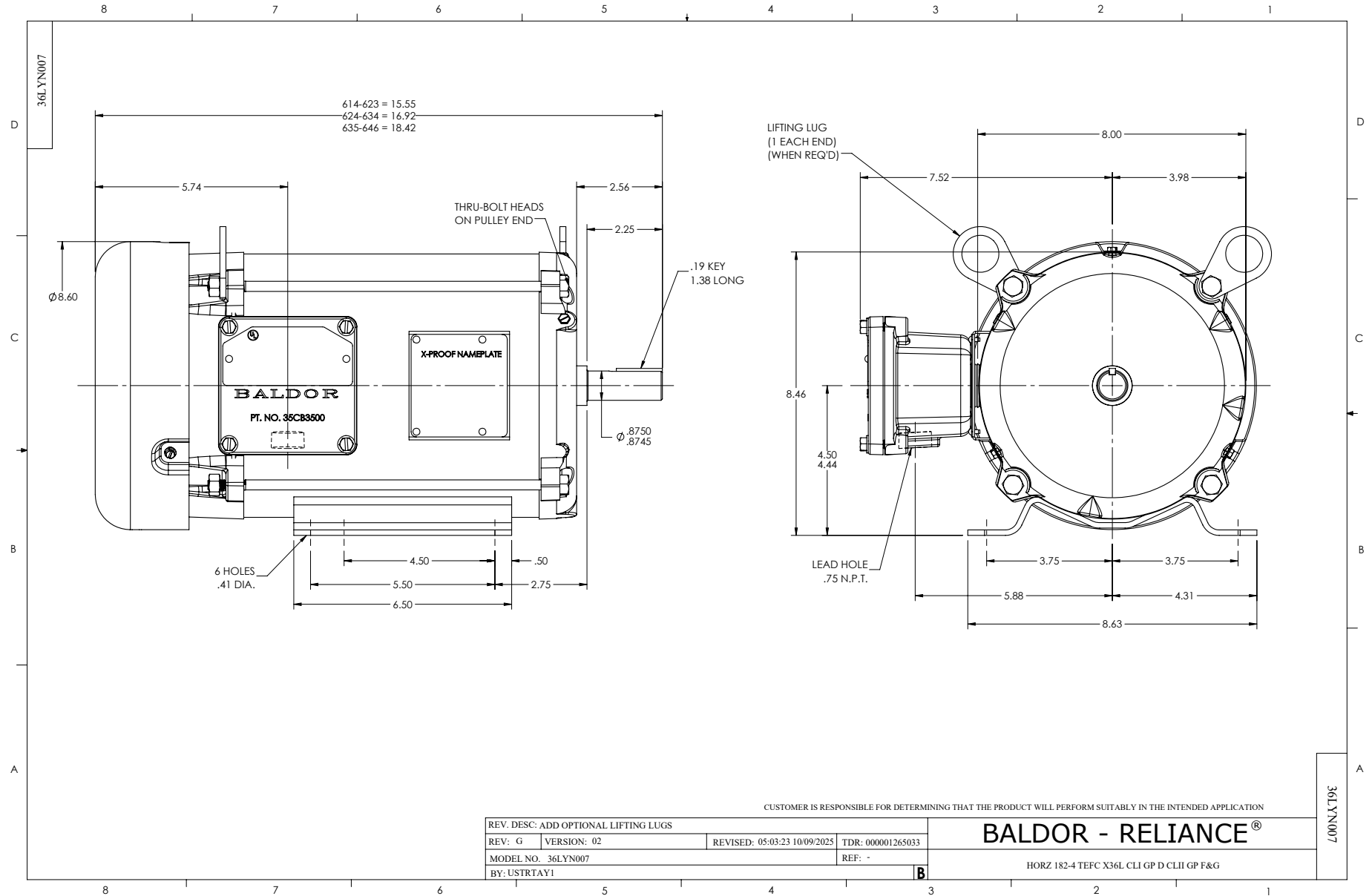
Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1140 RPM 115 V 3634L

TORQUES (LB-FT): PO=11 PU=8.91 LR=12.7 LRA=67.9



10/7/2026 ACPERF, record # 88072



CD0001

