

ABB BALDOR RELIANCE III

Customer information packet

L3609T-50

3/2.2KW IEC60034-30, 1440RPM, 1PH, 50HZ, 18

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184T
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	2.200 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	C UR US WEEE UKCA CURUS CE
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	12.000 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.3 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a

Part Detail

Revision	G
Type	AC
Mech. spec.	36E004
Base	
Status	PRD/A
Elec. spec.	36WGQ058
Layout	36LYE004
Eff. date	07-17-2025
CD Diagram	CD0017A02
Poles	04
Leads	2#14 A PH,2#16 B PH Y
Proprietary	False
Created date	03-13-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.06 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1440 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1372L									
CAT.NO.	L3609T-50								
SPEC.	36E004Q058								
HP	3/2.2kw IEC60034-30								
VOLTS	220								
AMP	12								
R.P.M. (1/MIN)	1440								
FRAME	184T		HZ		50		PH		1
SER.F.	1.15	CODE		G	DES	-	CL	F	
NEMA-NOM-EFF	84.3	PF		98					
RATING	40C AMB-S1 CONT								
CC			IP 4, IC411 44KG						
DE	6206		ODE		6205				
ENCL	TEFC	SN							
	IE2-50HZ 85 (75%),83 (50%)								

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 101576

Typical performance - not guaranteed values

Winding: 36WGQ058-R001			Type: 3646LC		Enclosure: TEFC			
Nameplate Data			220 V, 50 Hz: Single Voltage Motor					
Rated Output (KW)		2.2	Full Load Torque		10.7 LB-FT			
Volts		220	Start Configuration		direct on line			
Full Load Amps		12	Breakdown Torque		25.1 LB-FT			
R.P.M.		1440	Pull-up Torque		17.2 LB-FT			
Hz	50	Phase	1	Locked-rotor Torque		31.3 LB-FT		
NEMA Design Code		-	KVA Code	G	Starting Current		78.6 A	
Service Factor (S.F.)		1.15		No-load Current		1.66 A		
NEMA Nom. Eff.		84.3	Power Factor		98	Line-line Res. @ 25°C		0.85023 Ω A Ph 1.4968 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		60°C		
S.F. Amps				Temp. Rise @ S.F. Load		79°C		

Load Characteristics 220 V, 50 Hz, 2.2 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	96	98	98	98	97	96	97
Efficiency	71.2	83.7	86.2	85.4	82.4	76.9	83.6
Speed	1488.2	1476.5	1463.5	1448	1428.2	1398.5	1436
Line amperes	3.64	6.09	8.84	11.9	15.6	20.3	14.1

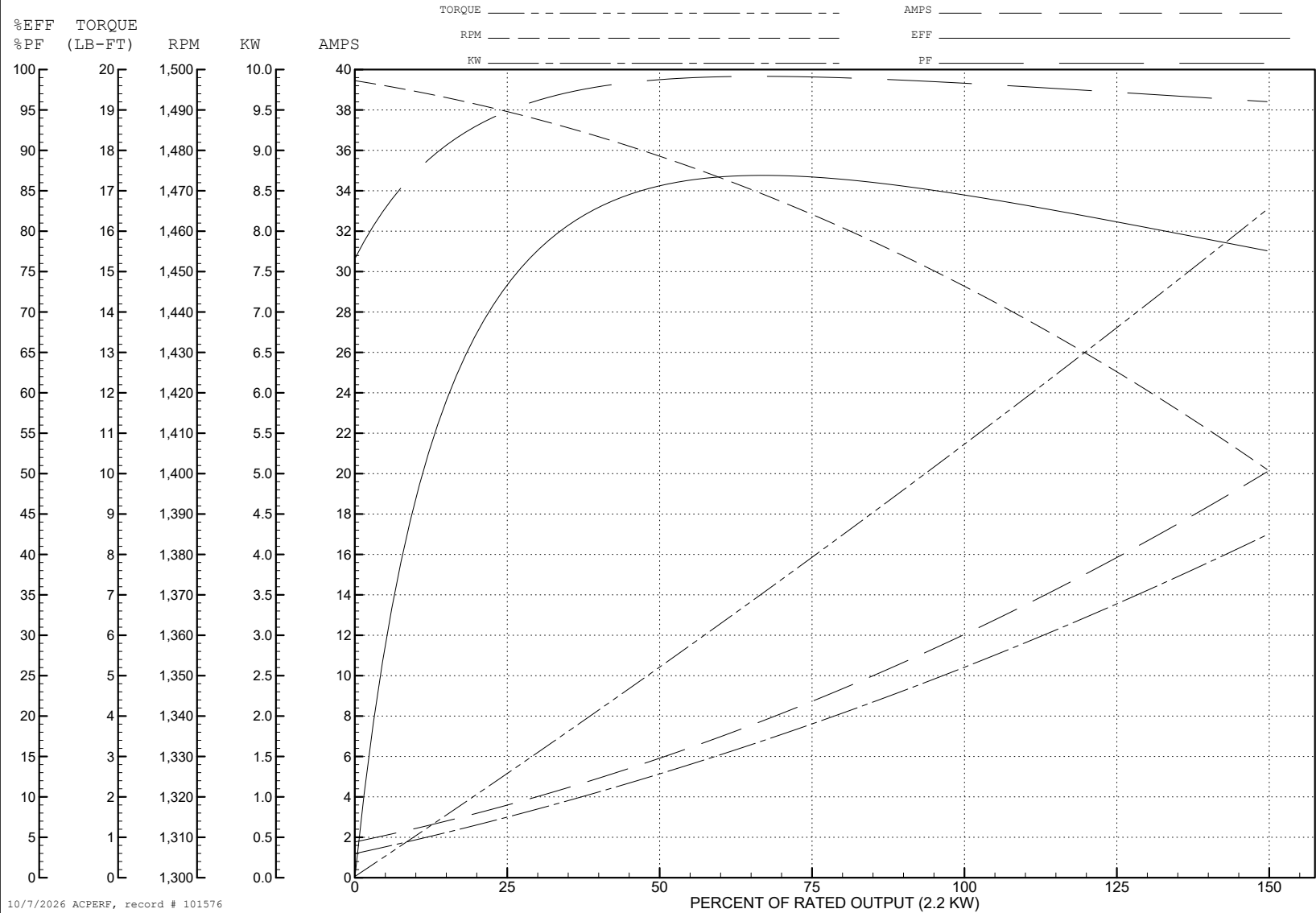
ABB Motors and Mechanical Inc.

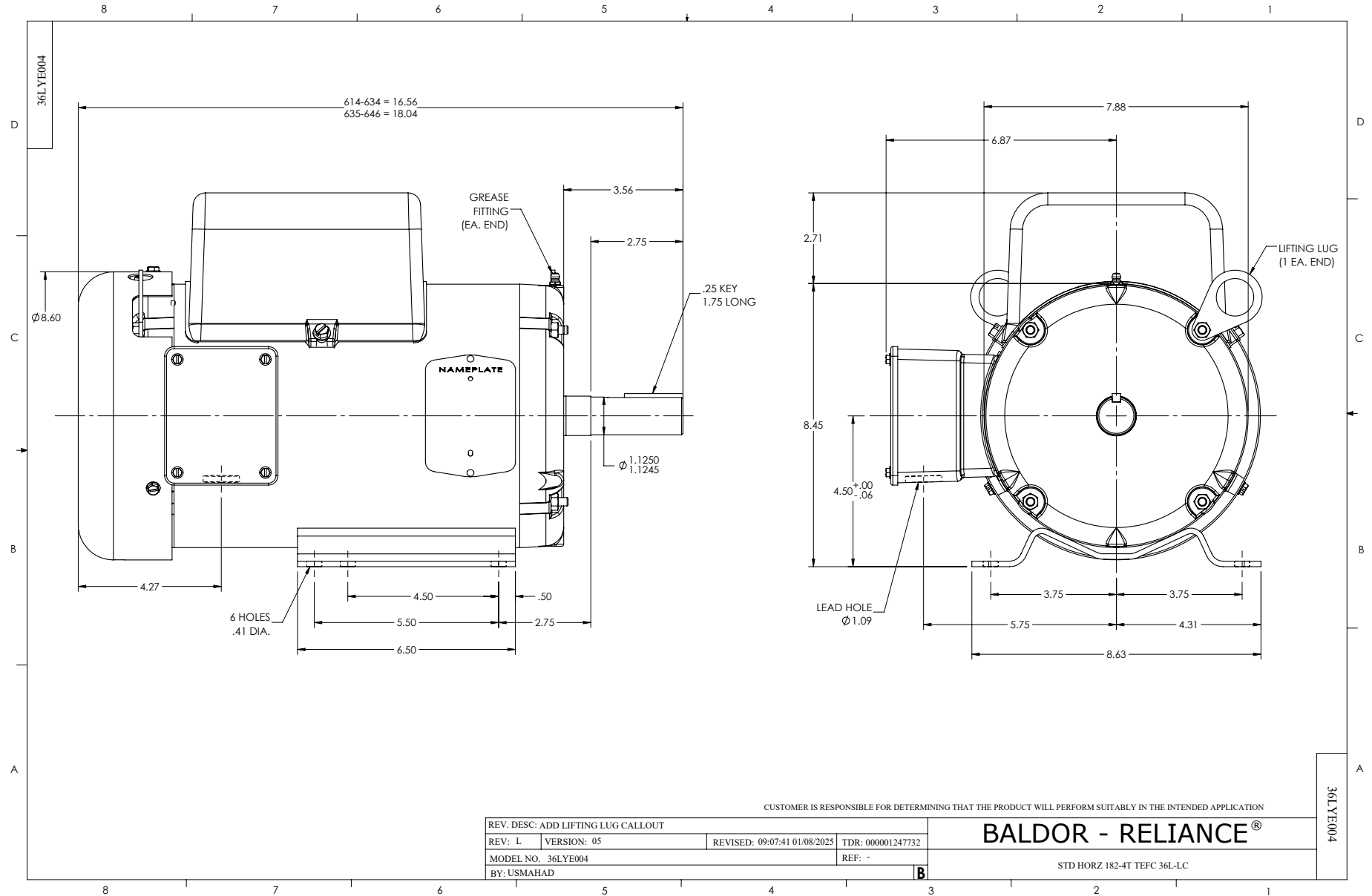
WINDING # 36WGQ058

Typical performance - not guaranteed values.

2.2 KW 1 PH 50 HZ 1440 RPM 220 V 3646LC

TORQUES (LB-FT): PO=25.1 PU=17.2 LR=31.3 LRA=78.6





CD0017A02

