

ABB BALDOR RELIANCE III

Customer information packet

HBEM3607T

32M 6P TEFC HOR 182T

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM WEEE CURUSEEV
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	2.400 A @ 460.0 V 4.800 A @ 230.0 V 5.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Electrically Isolated Bearings
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	G
Type	AC
Mech. spec.	36T429
Base	
Status	PRD/A
Elec. spec.	36WGS916
Layout	36LYT429
Eff. date	03-27-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	01-05-2022

High Voltage Full Load Amps	2.4 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.54 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1165 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

NP4246A01A01										
CAT #	HBEM3607T			WGT	72	LBS				
SPEC	36T429S916G1			ENCL	TEFC					
SER #				CC	010A	IP	54			
HP	1.5	MAG CUR		3/1.5						
VOLTS	230/460			NEMA NOM. EFF				87.5		
AMPS	4.8/2.4			PF	67					
RATING	40C AMB-CONT									
RPM	1165			MAX RPM		1800				
FRAME	182T	HZ	60	CODE	K	CLASS	H			
SER.F.	1.15	SF AMP	5.4/2.7		PH	3	DES	B		
DE	6206		ODE		6205					
LUBRICATION	POLYREX EM									
ID LOGO	INV TYPE:	VPWM	CHP	60	TO	90	1.5:1			
ID LOGO	WK2	0.301	CT	6	TO	60	10:1			
ID LOGO	SL HZ	1.75	VT	3	TO	60	20:1			
YR							ID.ABB/BALDOR/			

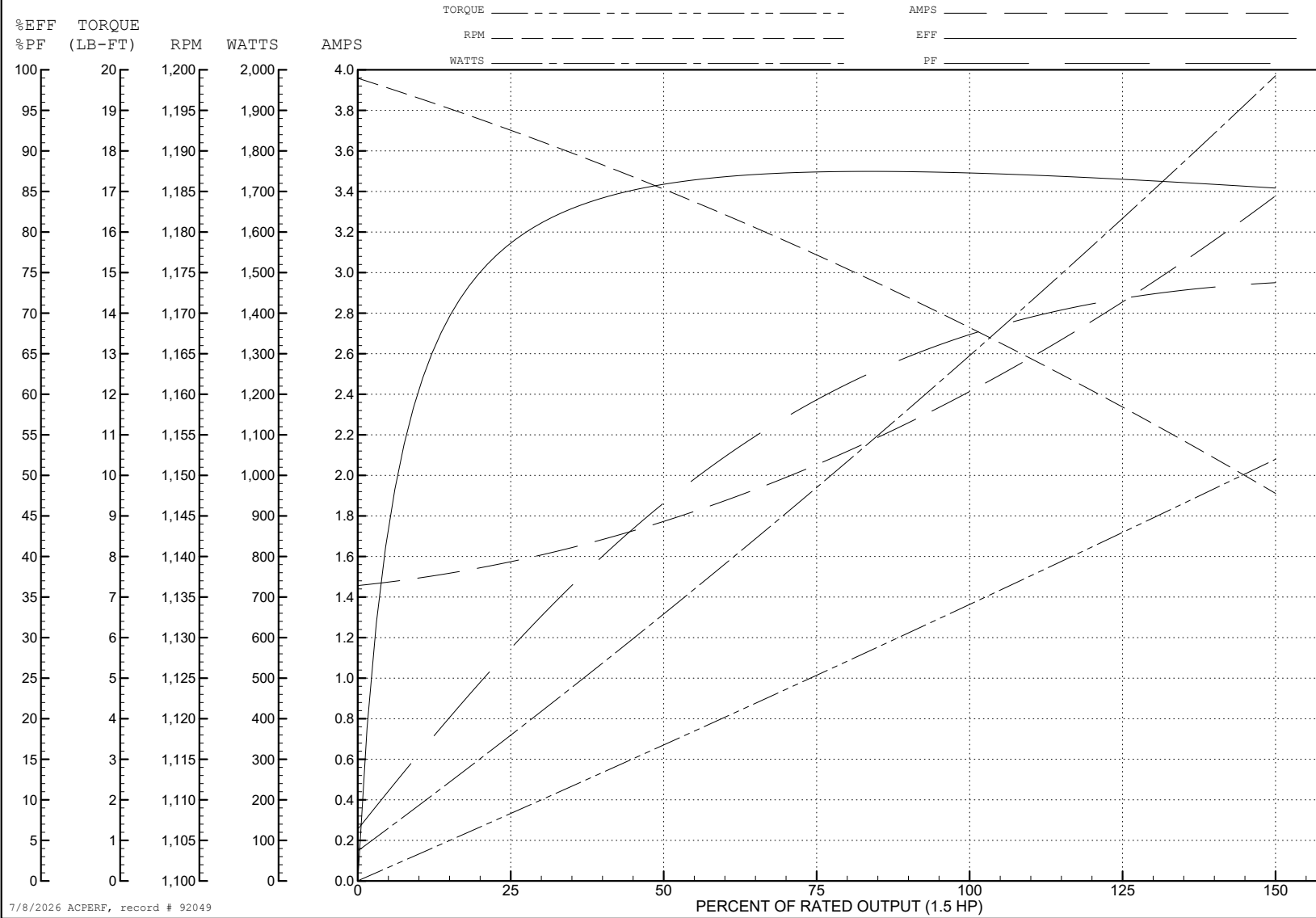
ABB Motors and Mechanical Inc.

WINDING # 36WGS916

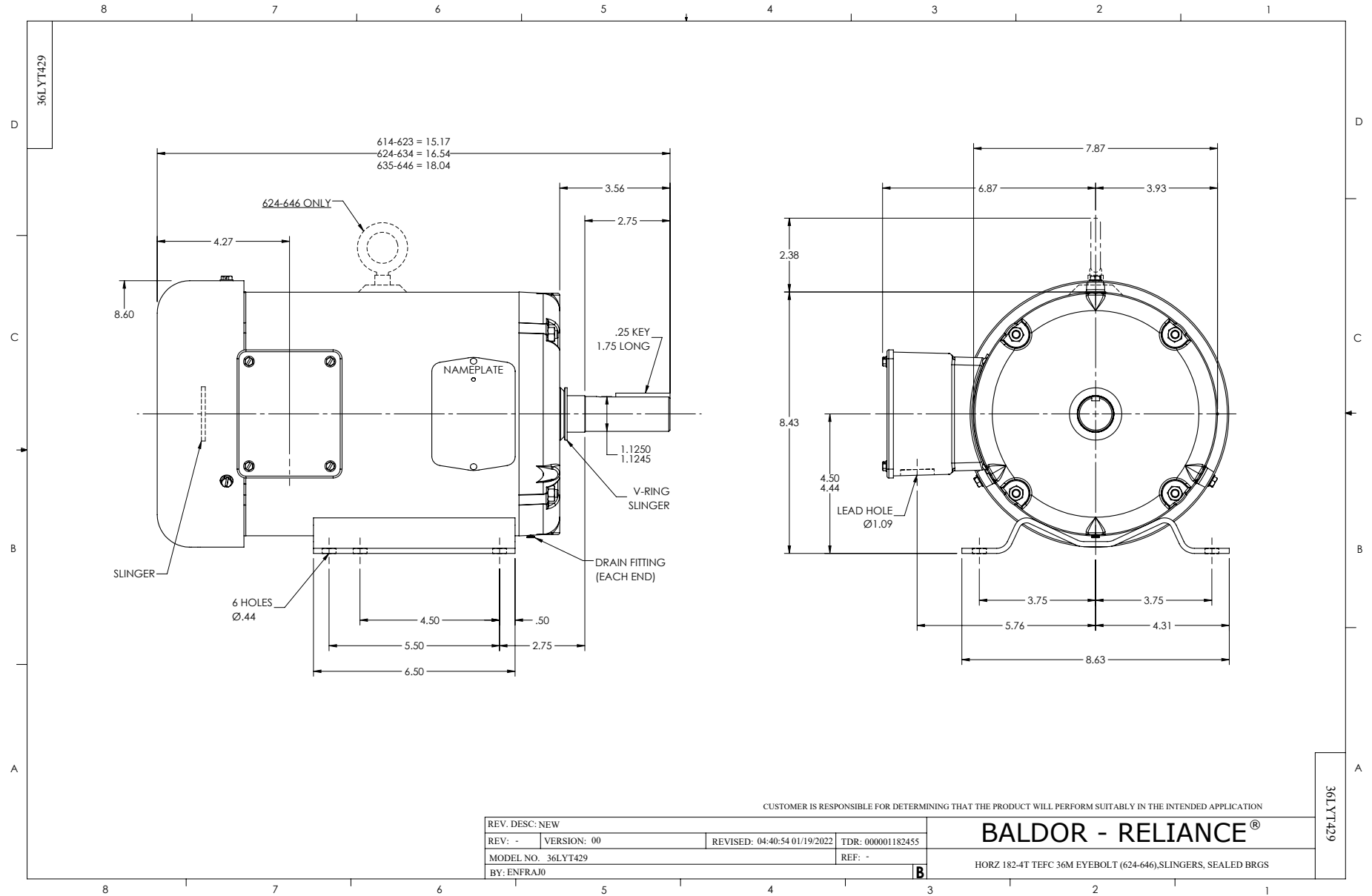
1.5 HP 3 PH 60 HZ 1165 RPM 460 V 3632M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=23.8 PU=12.5 LR=15.3 LRA=15.8



7/8/2026 ACPERF, record # 92049



CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS