

ABB BALDOR RELIANCE III

Customer information packet

EJMM3212T

5HP, 3455RPM, 3PH, 60HZ, 182JM, 3620M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	182JM
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM
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	12.200 A @ 230.0 V 13.500 A @ 208.0 V 6.080 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.1 a

Part Detail

Revision	A
Type	AC
Mech. spec.	36G687
Base	
Status	PRD/A
Elec. spec.	36WGZ652
Layout	36LYG687
Eff. date	01-07-2026
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	11-06-2025

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3620M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.12 IN
Power Factor	91
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3455 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

NP3553LUA									
CAT.NO.	EJMM3212T								
SPEC.	36G687Z652								
HP	5								
VOLTS	230/460								
AMPS	12.2/6.08								
RPM	3455								
FRAME	182JM	HZ	60	PH	3				
SF	1.15	CODE	J	DES	A	CLASS	F		
NEMA NOM. EFF	86.5	PF	91						
RATING	40C AMB-CONT								
CC	010A								
ENCL	OPSB	SN							
DE	6207	ODE	6205						
VPWM INVERTER READY	SFA 14/7								
CT30-60(2:1) VT3-60(20:1)									
USABLE AT	50HZ 5HP 190/380V 15.2/7.6A								SF1.0

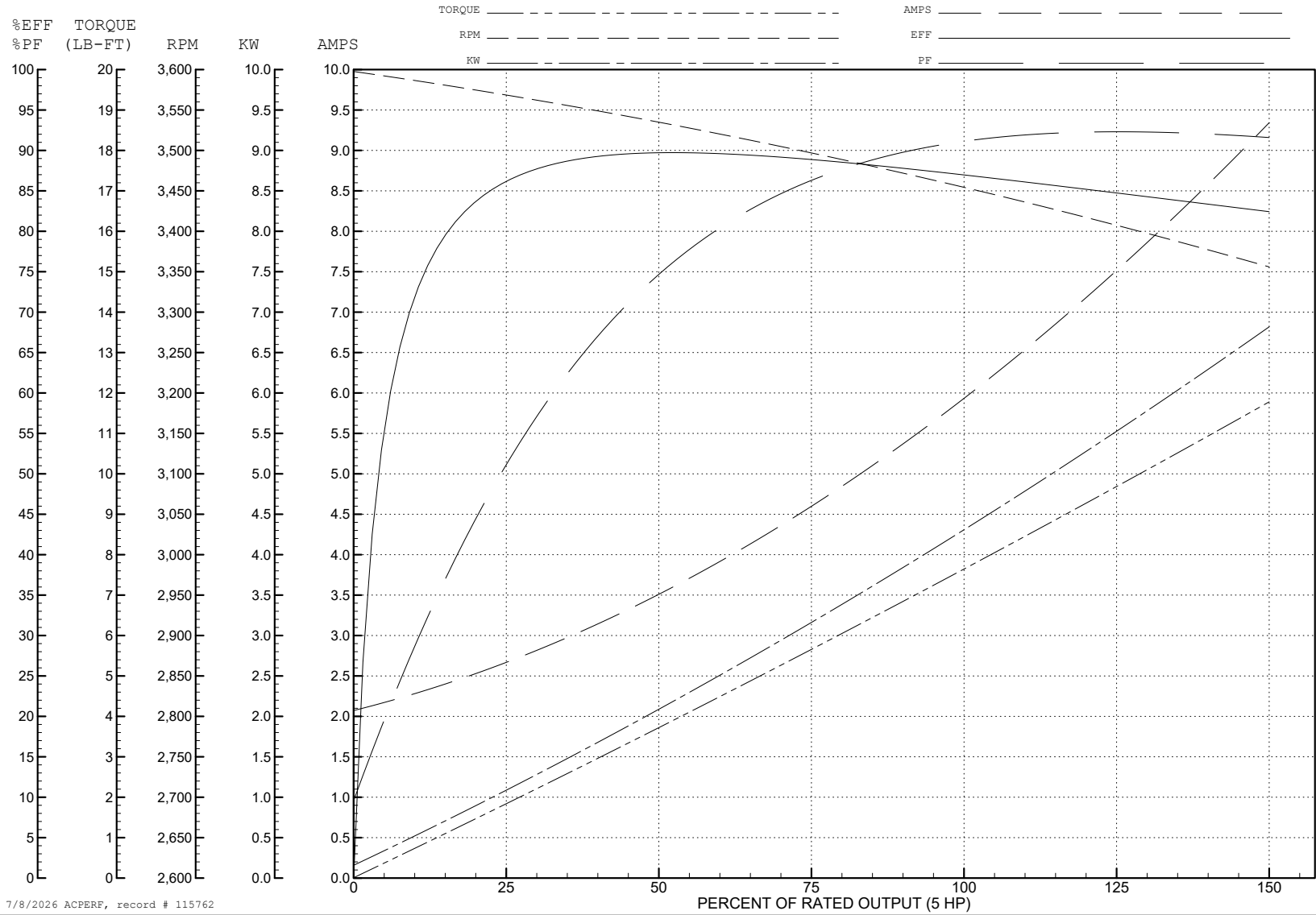
ABB Motors and Mechanical Inc.

WINDING # 36WGZ652

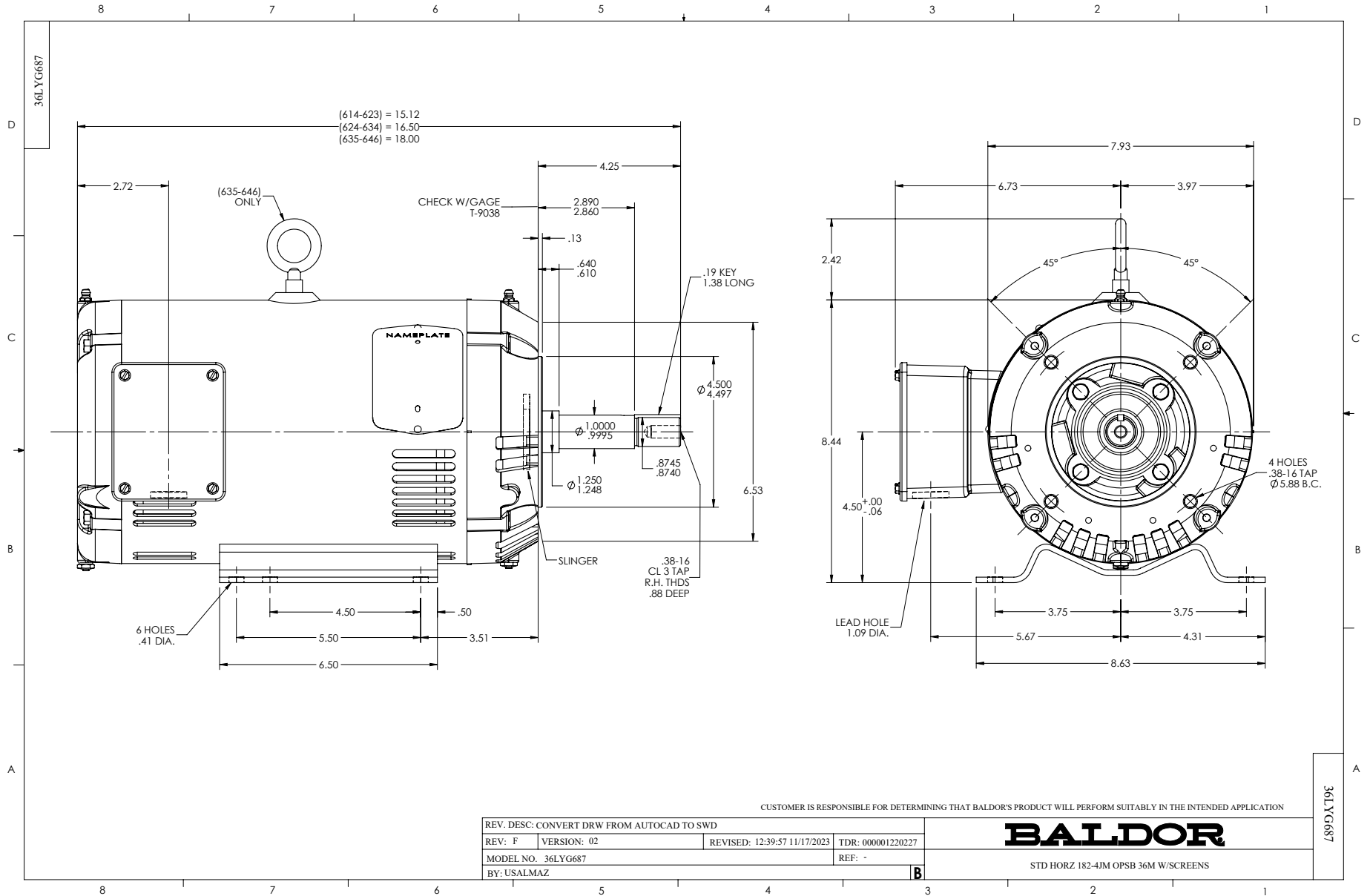
Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 3455 RPM 460 V 3620M

TORQUES (LB-FT): PO=26.8 PU=17.6 LR=18.8 LRA=42.5



7/8/2026 ACPERF, record # 115762



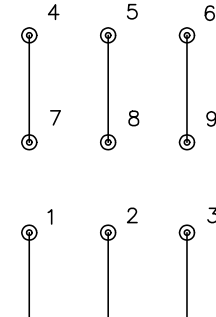
CD0005



LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



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