

BALDOR • RELIANCE

Customer information packet

EM3667T-BG

1.5HP, 1170RPM, 3PH, 60HZ, 182T, TEFC, F1

Class - None

Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.

2/16/2025 10:26:55 PM

Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Iron
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	CSA CSA EEV NEMA PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.000 A @ 230.0 V 2.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a

Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGW969
Layout	06LYK800
Eff. date	04-29-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	04-11-2019

Insulation Class	H
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0630M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.24 IN
Power Factor	65
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1170 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3441LUA

CAT.NO.	EM3667T-BG						
SPEC	06-0000-0090						
HP	1.5						
VOLTS	230/460						
AMPS	5/2.5						
RPM	1170						
FRAME	182T		HZ	60		PH	3
SF	1.15	CODE	K	DES	B	CLASS	H
NEMA NOM. EFF	87.5	PF	65				
RATING	40C AMB-CONT						
CC	010A						
ENCL	TEFC	SER					
DE	6206	ODE	6205				
VPWM INVERTER READY							
CT6-60H(10:1)VT3-60H(20:1	50HZ 1.5HP 190/380V 5.8/2.9A						SF1.0

AC Induction Motor Performance Data

Record # 75471

Typical performance - not guaranteed values

Winding: 06WGW969-R006		Type: 0630M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5	Full Load Torque	6.77 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	5/2.5	Breakdown Torque	24 LB-FT	
R.P.M.	1170	Pull-up Torque	12.5 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	15.8 LB-FT
NEMA Design Code	B KVA Code	K	Starting Current	16.19 A
Service Factor (S.F.)	1.15	No-load Current	1.63 A	
NEMA Nom. Eff.	87.5 Power Factor	65	Line-line Res. @ 25°C	7.01 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	26°C	
S.F. Amps		Temp. Rise @ S.F. Load	31°C	
		Locked-rotor Power Factor	30.4	
		Rotor inertia	0.282 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	44	56	64	69	73	67
Efficiency	76.3	84.8	86.8	87.5	87.1	85.8	87.3
Speed	1194	1187	1179	1172	1163	1153	1167
Line amperes	1.7	1.9	2.18	2.51	2.92	3.38	2.76

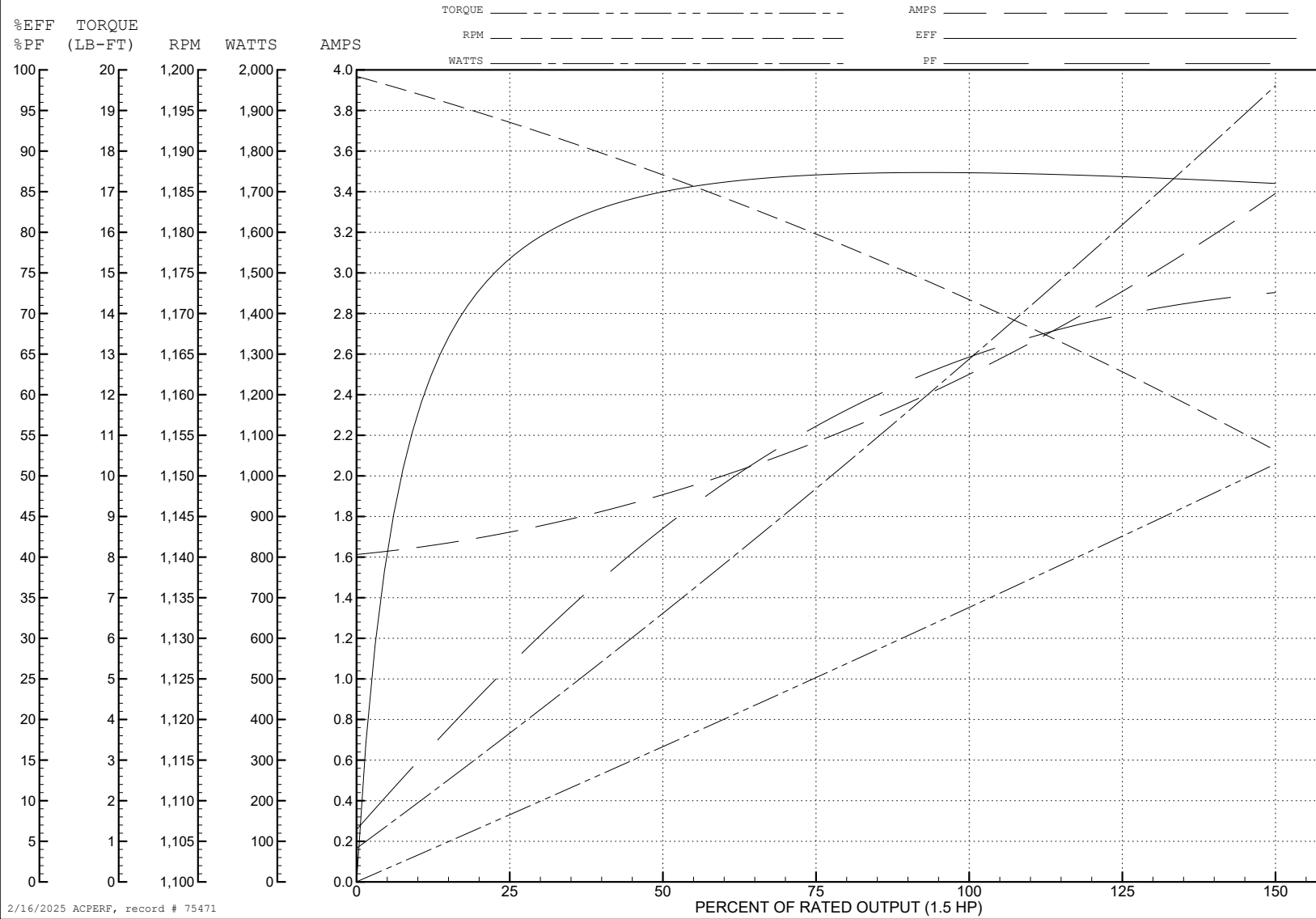
ABB Motors and Mechanical Inc.

WINDING # 06WGW969

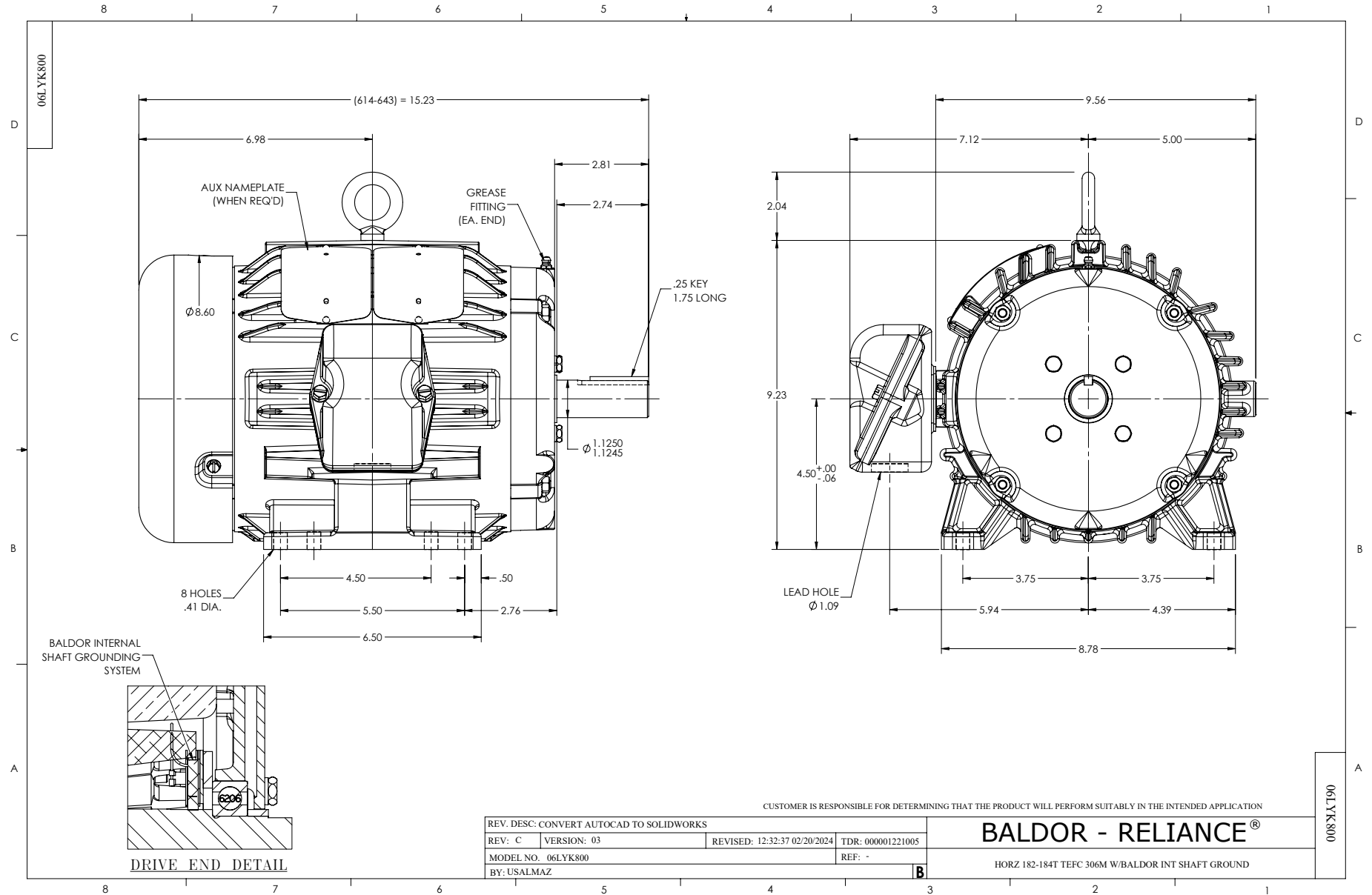
Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 0630M

TORQUES (LB-FT): PO=24 PU=12.5 LR=15.8 LRA=16.19



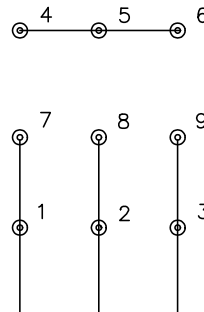
2/16/2025 ACPERF, record # 75471



CD0005

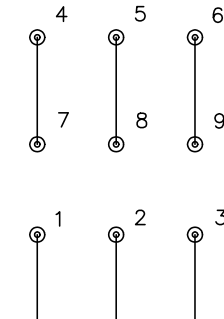


LOW VOLTAGE
(2Y)



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
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS