

ABB BALDOR RELIANCE III

Customer information packet

EM2333T-8G

15HP, 1765RPM, 3PH, 60HZ, 254T, 0936M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
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	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
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	42.400 A @ 200.0 V 42.400 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	42.4 a

Part Detail

Revision	AK
Type	AC
Mech. spec.	09J359
Base	
Status	PRD/A
Elec. spec.	09WGX824
Layout	09LYJ359
Eff. date	03-12-2026
CD Diagram	CD0006
Poles	04
Leads	3#8
Proprietary	False
Created date	09-11-2013

Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0936M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.30 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1765 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

NP3441L											
CAT.NO.	EM2333T-8G										
SPEC.	09J359X824G2										
HP	15										
VOLTS	200										
AMP	42.4										
RPM	1765										
FRAME	254T		HZ	60				PH	3		
SER.F.	1.15	CODE	H	DES	B	CL	H				
NEMA-NOM-EFF	92.4	PF	82								
RATING	40C AMB-CONT										
CC	010A										
DE	6309		ODE	6208							
ENCL	TEFC	SN									
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											

AC Induction Motor Performance Data

Record # 50247

Typical performance - not guaranteed values

Winding: 09WGX824-R007			Type: 0936M		Enclosure: TEFC	
Nameplate Data			200 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		15	Full Load Torque		44.6 LB-FT	
Volts		200	Start Configuration		direct on line	
Full Load Amps		42.4	Breakdown Torque		165 LB-FT	
R.P.M.		1765	Pull-up Torque		68 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		79 LB-FT
NEMA Design Code		B	KVA Code		H	
Service Factor (S.F.)		1.15	Starting Current		282 A	
NEMA Nom. Eff.		92.4	Power Factor		82	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		63°C
S.F. Amps				Temp. Rise @ S.F. Load		77°C
				Locked-rotor Power Factor		35
				Rotor inertia		1.57 LB-FT2

Load Characteristics 200 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	66	76	82	84	85	83
Efficiency	87.7	91.9	92.6	92.4	91.6	90.4	91.9
Speed	1791	1782	1773	1763	1752	1740	1756
Line amperes	22	27	34.5	42.4	52	62	48.16

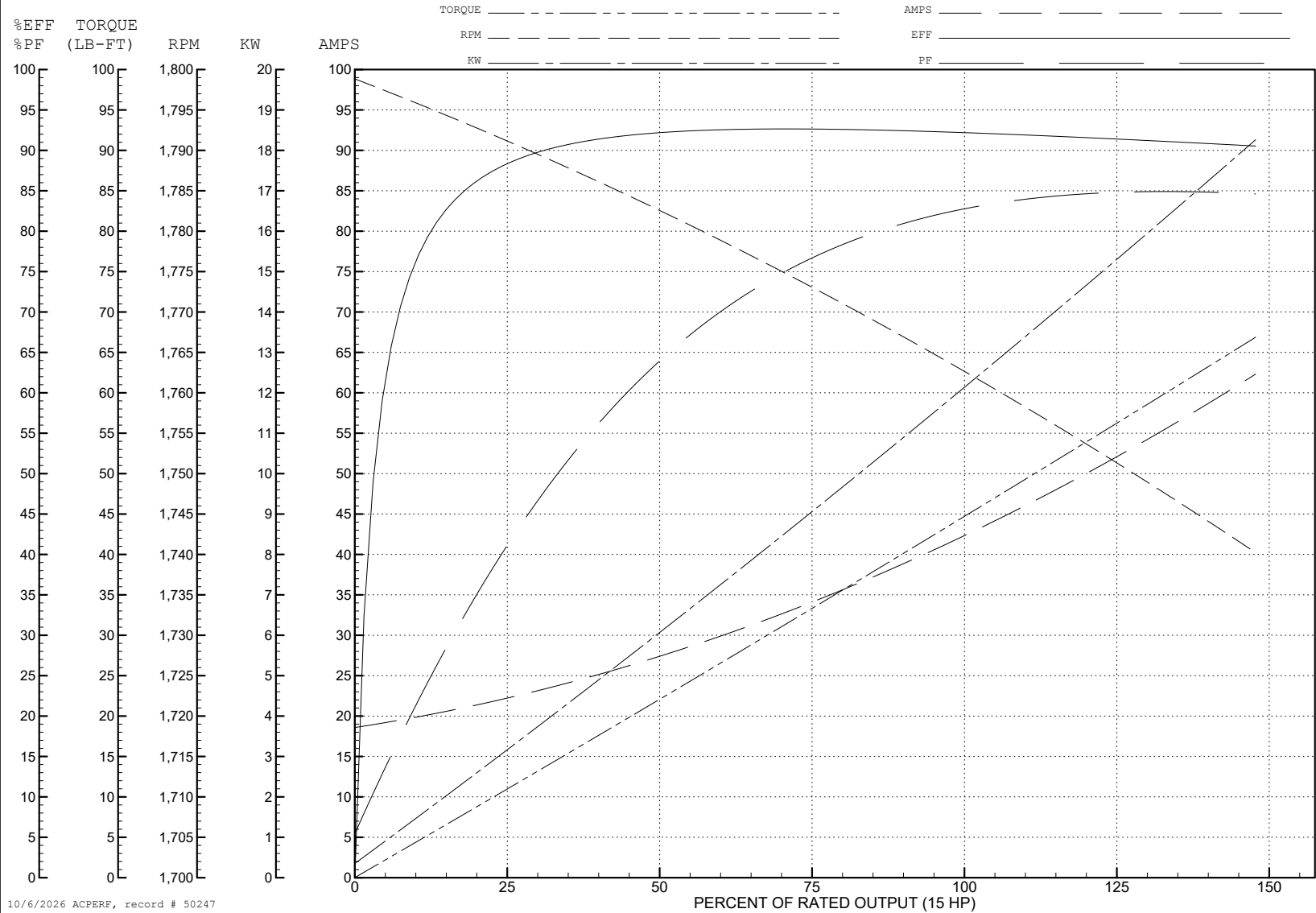
ABB Motors and Mechanical Inc.

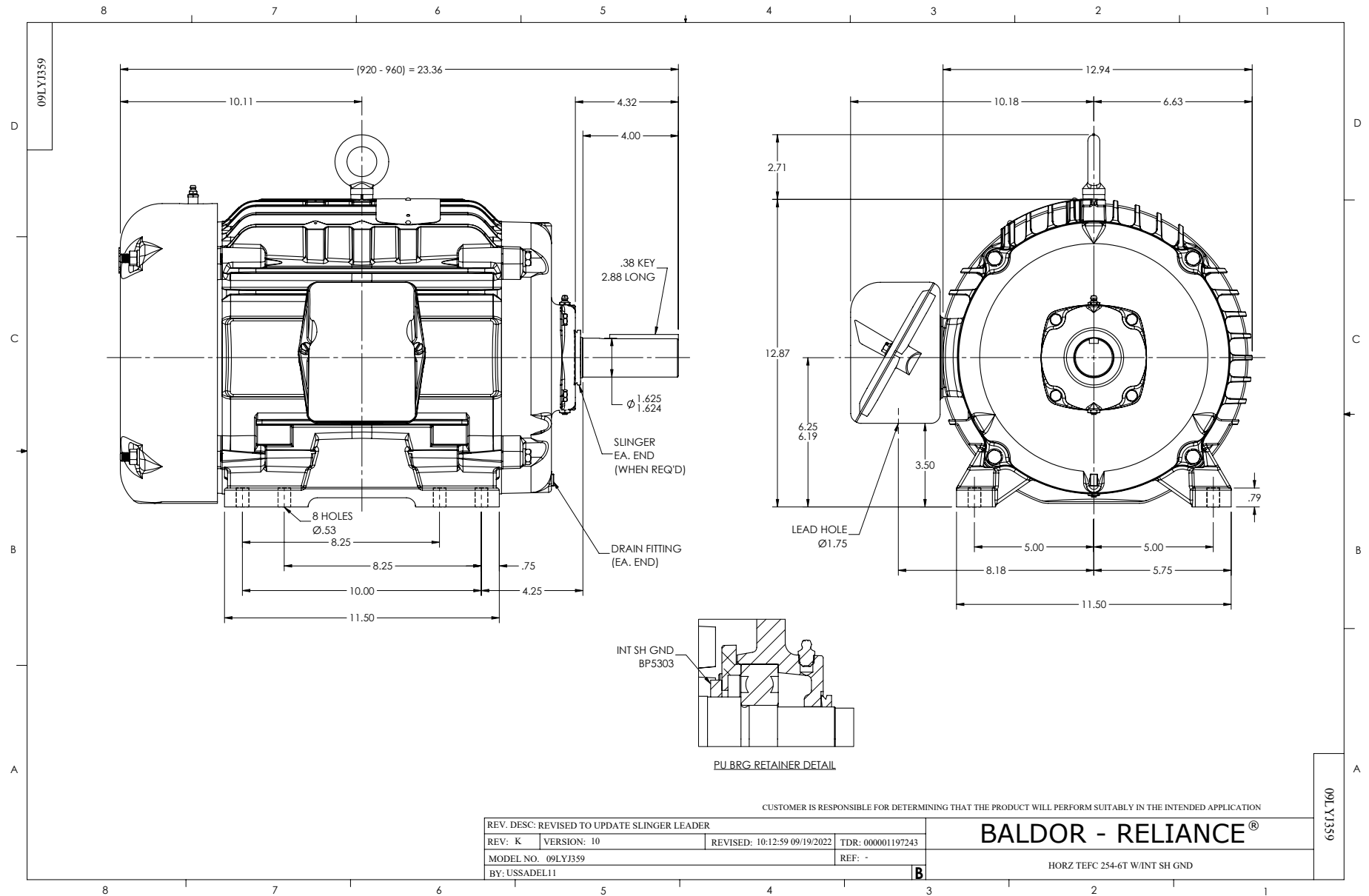
WINDING # 09WGX824

Typical performance - not guaranteed values.

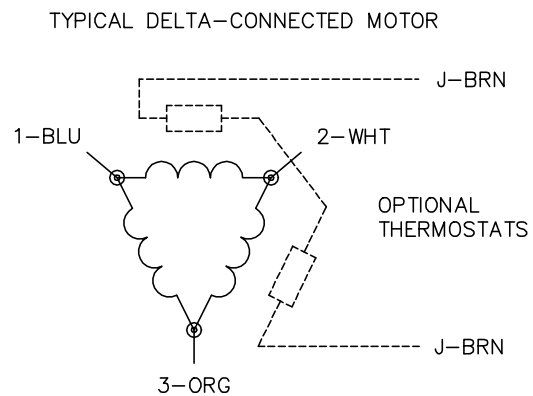
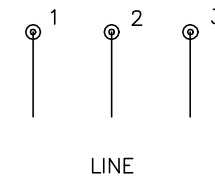
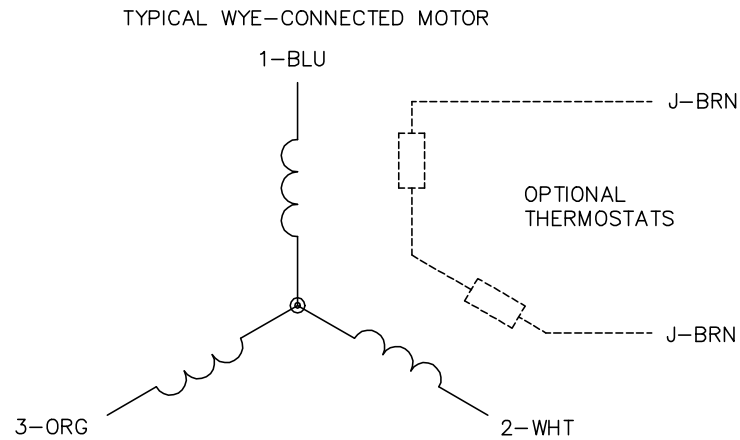
15 HP 3 PH 60 HZ 1765 RPM 200 V 0936M

TORQUES (LB-FT): PO=165 PU=68 LR=79 LRA=282





CD0006


NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

MTL: -


BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1