ABB BALDOR RELIANCE

Customer information packet

EM2333T-8G

15HP, 1765RPM, 3PH, 60HZ, 254T, 0936M, TEFC, F1
Class - None
Division - Not Applicable

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9/7/2026 9:55:10 AM

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	**Starting Current**	282 A
Service Factor (S.F.)			1.15	**No-load Current**	18.9 A
NEMA Nom. Eff.	92.4	**Power Factor**	82	**Line-line Res. @ 25ºC**	0.119 Ω
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

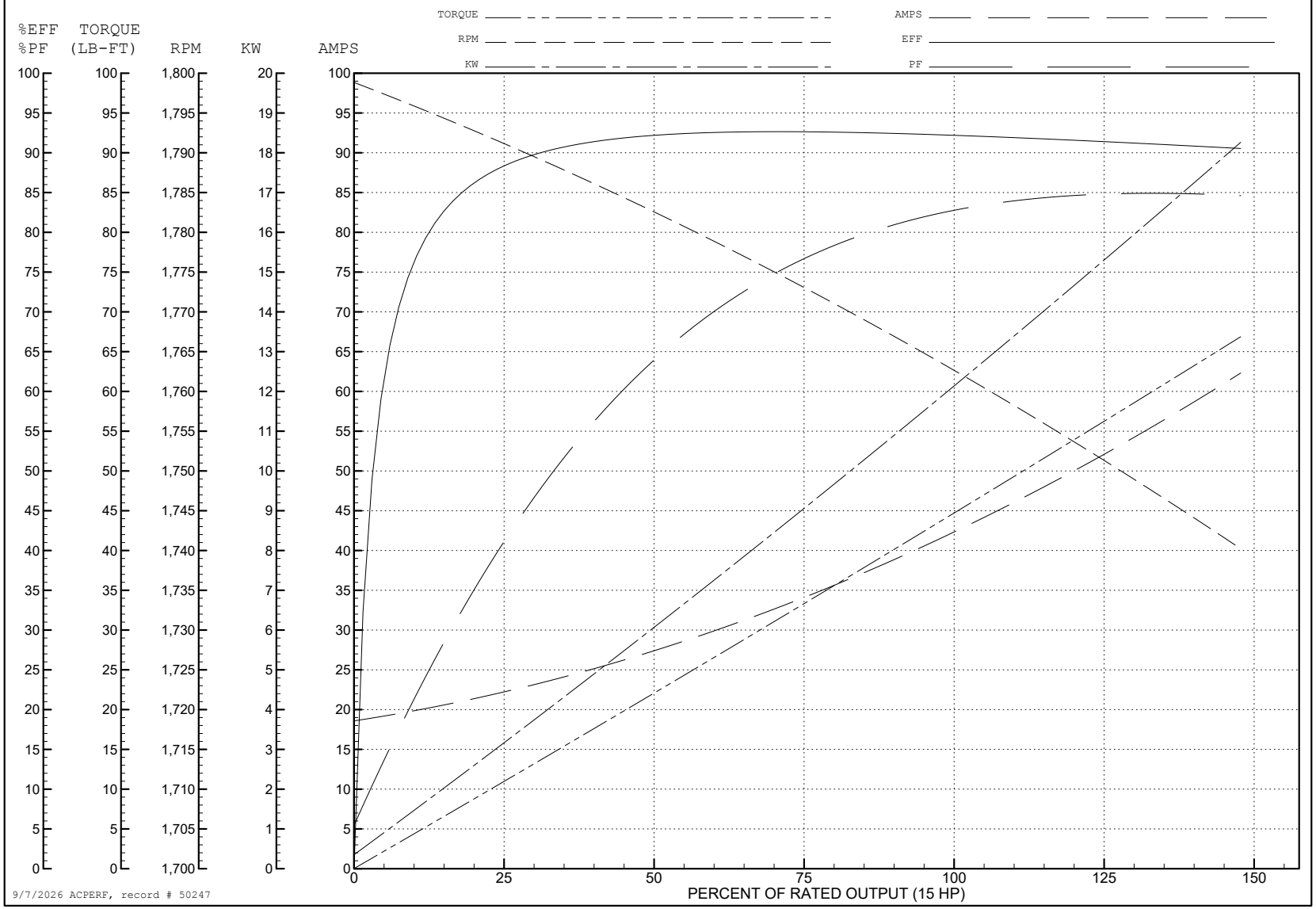
ABB Motors and Mechanical Inc.

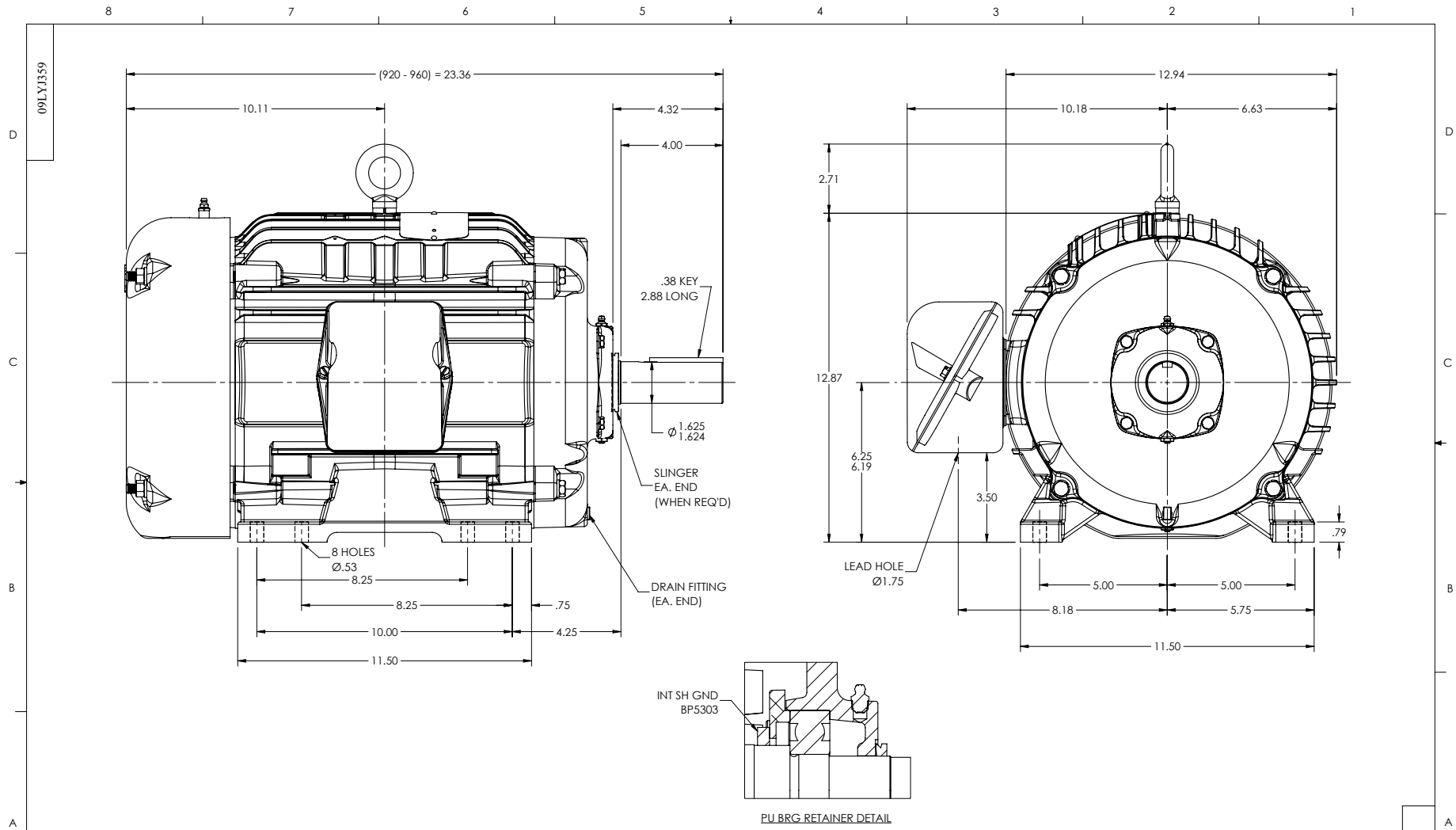
WINDING # 09WGX824

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

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

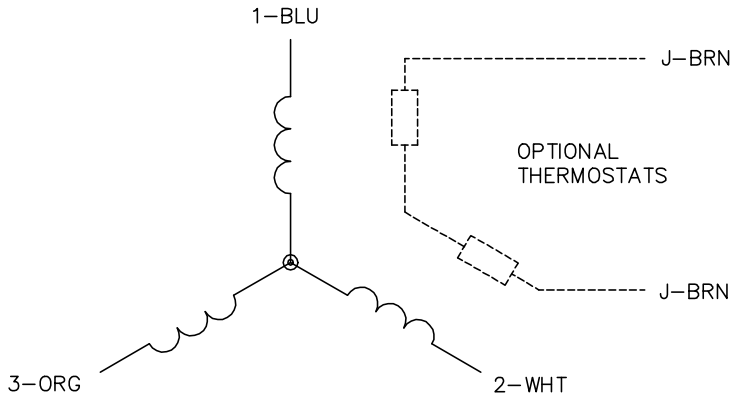
Typical performance - not guaranteed values.

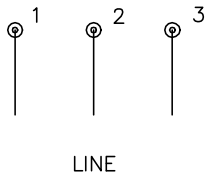



09LYJ359
(920 - 960) = 23.36
10.11
4.32
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
SLINGER
EA. END
(WHEN REQ'D)
8 HOLES
Ø.53
8.25
8.25
.75
10.00
4.25
11.50
DRAIN FITTING
(EA. END)
12.94
10.18
6.63
2.71
12.87
6.25
6.19
3.50
.79
LEAD HOLE
Ø1.75
5.00
5.00
8.18
5.75
11.50
INT SH GND
BP5303
PU BRG RETAINER DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REVISED TO UPDATE SLINGER LEADER
REV: K
VERSION: 10
REVISED: 10:12:59 09/19/2022
TDR: 000001197243
MODEL NO. 09LYJ359
REF: -
BY: USSADEL11
B
BALDOR - RELIANCE®
HORZ TEFC 254-6T W/INT SH GND
09LYJ359

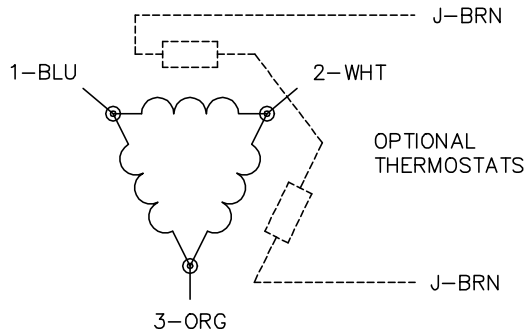
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

SH 1 of 1