

ABB BALDOR RELIANCE III

Customer information packet

EM2394T-G

15HP, 3525RPM, 3PH, 60HZ, 254T, TEFC, F1

Part Detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	M-09WG-Z602
Layout	09LYJ359
Eff. date	09-30-2026
CD Diagram	CD0180
Poles	02
Leads	9#12
Proprietary	False
Created date	05-09-2022

Nameplate

NP3441L											
CAT.NO.	EM2394T-G										
SPEC.	09-0000-3899										
HP	15										
VOLTS	230/460										
AMP	35/17.5										
RPM	3520										
FRAME	254T		HZ	60				PH	3		
SER.F.	1.15		CODE	G	DES	B		CL	H		
NEMA-NOM-EFF	91		PF	87							
RATING	DO_C AMB-CONT										
CC	010A										
DE	6309		ODE	6208							
ENCL	TEFC		SN								
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	SFA 39.7/19.9										

AC Induction Motor Performance Data

Record # 31412

Typical performance - not guaranteed values

Winding: 09WGZ602-R001			Type: 0930M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		15	Full Load Torque		22.1 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		35/17.5	Breakdown Torque		105 LB-FT		
R.P.M.		3525	Pull-up Torque		26.2 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque		36.3 LB-FT		
NEMA Design Code		B	KVA Code		G	Starting Current	110 A
Service Factor (S.F.)		1.15	No-load Current		5.58 A		
NEMA Nom. Eff.		91	Power Factor		87	Line-line Res. @ 25°C	0.68654 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		63°C		
S.F. Amps			Temp. Rise @ S.F. Load		78°C		
			Locked-rotor Power Factor		30		
			Rotor inertia		0.766 lb-ft²		

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	77	85	87	89	89	88
Efficiency	86.4	91	91.6	91	90	88.6	90.4
Speed	3582.7	3563.6	3542.7	3520.9	3495.8	3468.3	3506
Line amperes	6.93	9.78	13.5	17.5	21.6	26.4	20

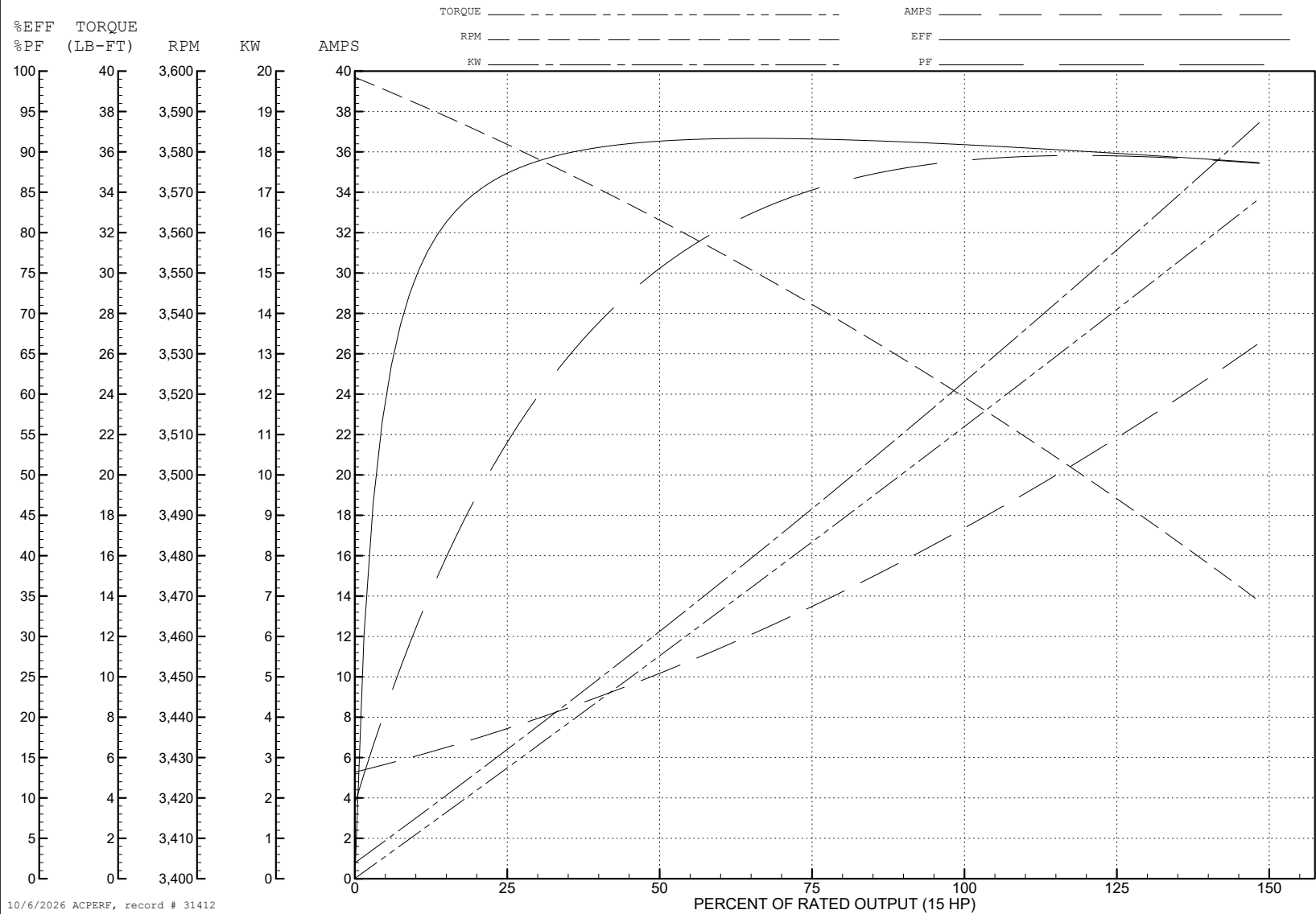
ABB Motors and Mechanical Inc.

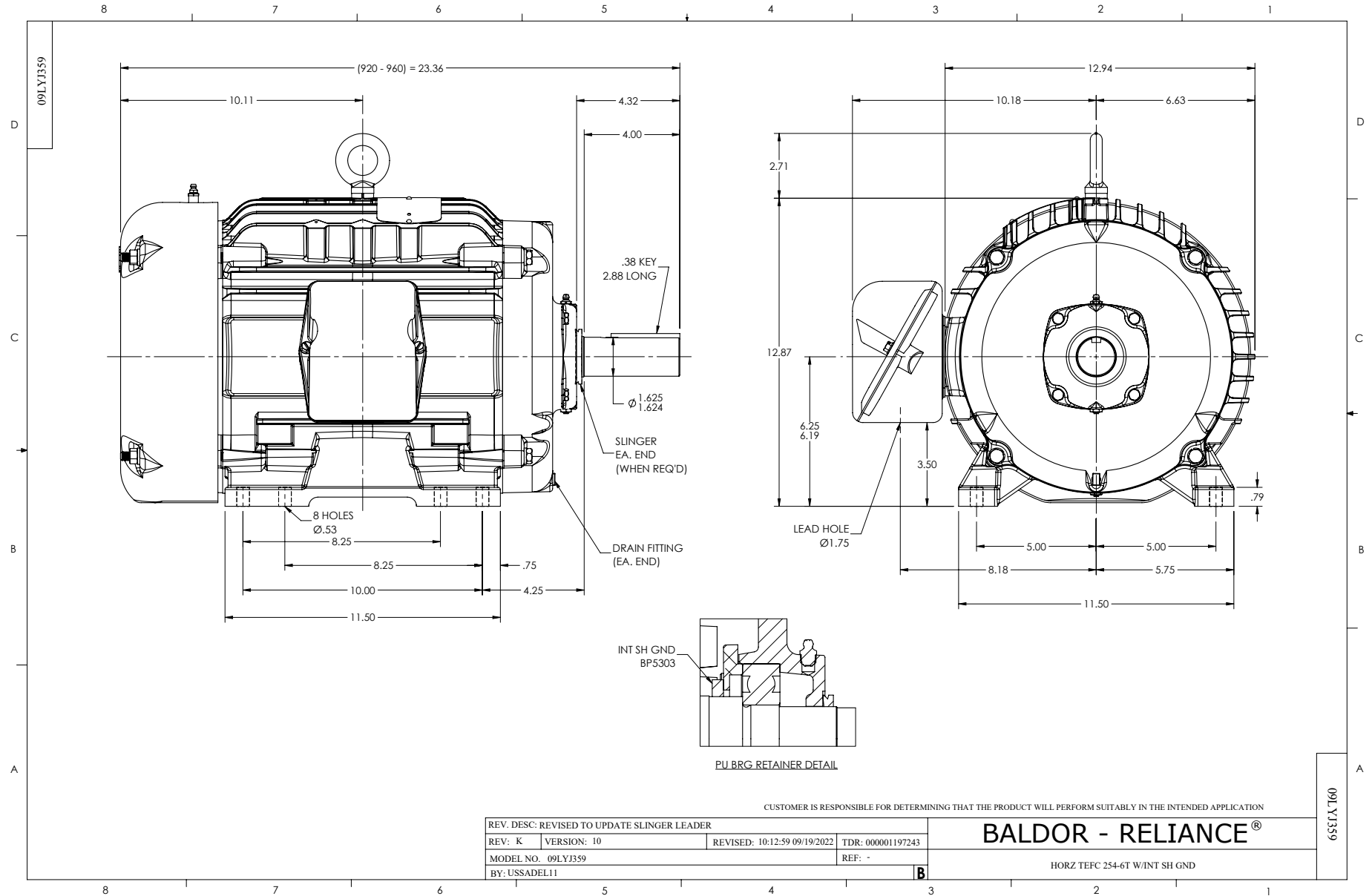
WINDING # 09WGZ602

Typical performance - not guaranteed values.

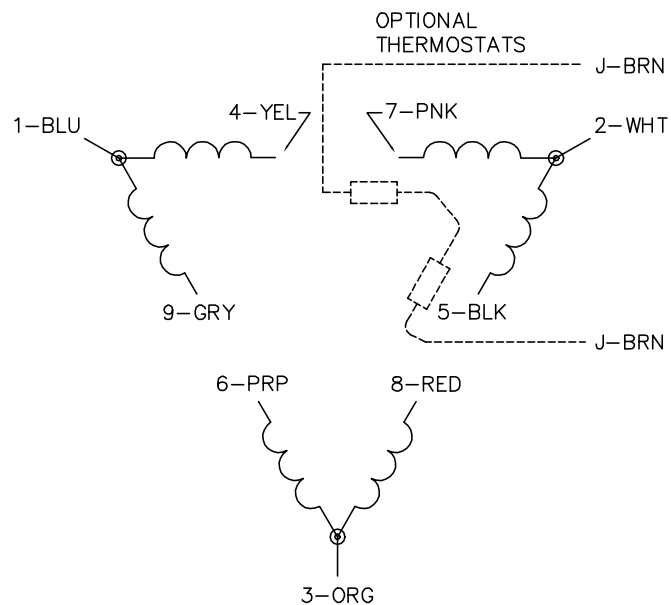
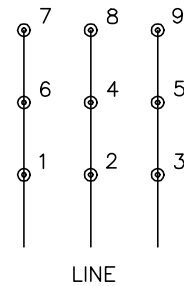
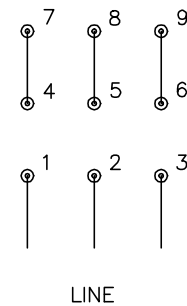
15 HP 3 PH 60 HZ 3525 RPM 460 V 0930M

TORQUES (LB-FT): PO=105 PU=26.2 LR=36.3 LRA=110





CD0180


 LOW VOLTAGE
(2D)

 HIGH VOLTAGE
(1D)

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.

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: -


BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1