

ABB BALDOR RELIANCE III

Customer information packet

EM2394T-5

15HP, 3525RPM, 3PH, 60HZ, 254T, 0930M, 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	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM (OLD LOGO) 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	14.100 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
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	14.1 a
Insulation Class	F

Part Detail

Revision	AQ
Type	AC
Mech. spec.	09P11
Base	
Status	PRD/A
Elec. spec.	09WGZ588
Layout	09LYP011
Eff. date	04-16-2024
CD Diagram	CD0006
Poles	02
Leads	3#12
Proprietary	False
Created date	04-29-2010

Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0930M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	23.36 IN
Power Factor	86
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	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3525 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.	EM2394T-5										
SPEC.	09P011Z588G1										
HP	15										
VOLTS	575										
AMP	14.1										
RPM	3525										
FRAME	254T		HZ	60				PH	3		
SER.F.	1.15	CODE	G	DES	B	CL	F				
NEMA-NOM-EFF	91	PF	86								
RATING	40C AMB-CONT										
CC	010A										
DE	6309		ODE	6208							
ENCL	TEFC	SN									
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 30974

Typical performance - not guaranteed values

Winding: 09WGZ588-R001			Type: 0930M		Enclosure: TEFC		
Nameplate Data			575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		15	Full Load Torque		22.1 LB-FT		
Volts		575	Start Configuration		direct on line		
Full Load Amps		14.1	Breakdown Torque		110 LB-FT		
R.P.M.		3525	Pull-up Torque		27.4 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		38 LB-FT	
NEMA Design Code		B	KVA Code	G	Starting Current		91.8 A
Service Factor (S.F.)		1.15	No-load Current		4.8 A		
NEMA Nom. Eff.		91	Power Factor	86	Line-line Res. @ 25°C		0.965 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		62°C
S.F. Amps					Temp. Rise @ S.F. Load		76°C
					Locked-rotor Power Factor		29.9
					Rotor inertia		0.766 LB-FT2

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	75	83	86	89	89	88
Efficiency	86.2	90.8	91.8	91.2	90.1	88.8	90.5
Speed	3583	3565	3544	3523	3499	3473	3509
Line amperes	5.82	8.04	11	14.1	17.3	21.2	16

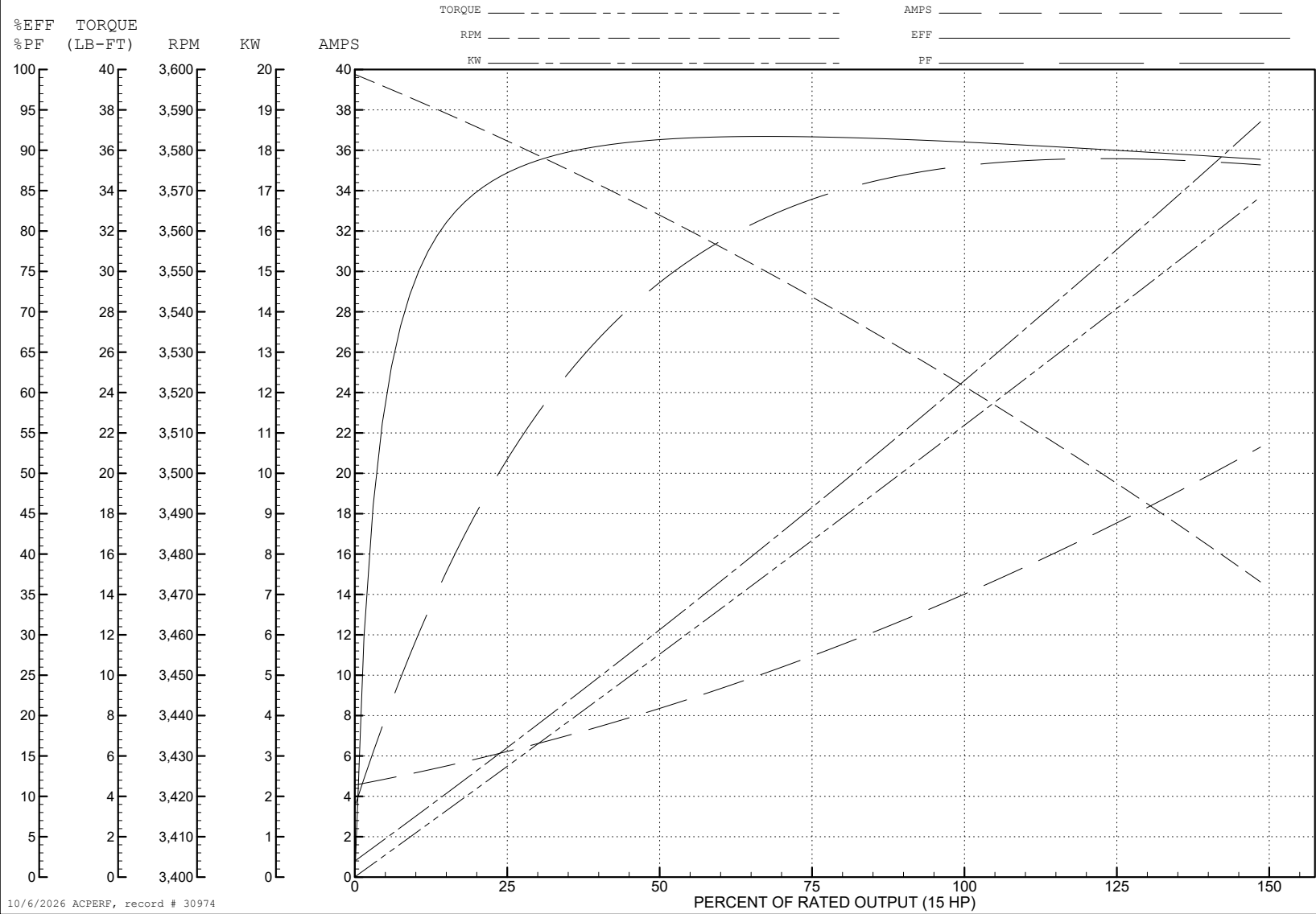
ABB Motors and Mechanical Inc.

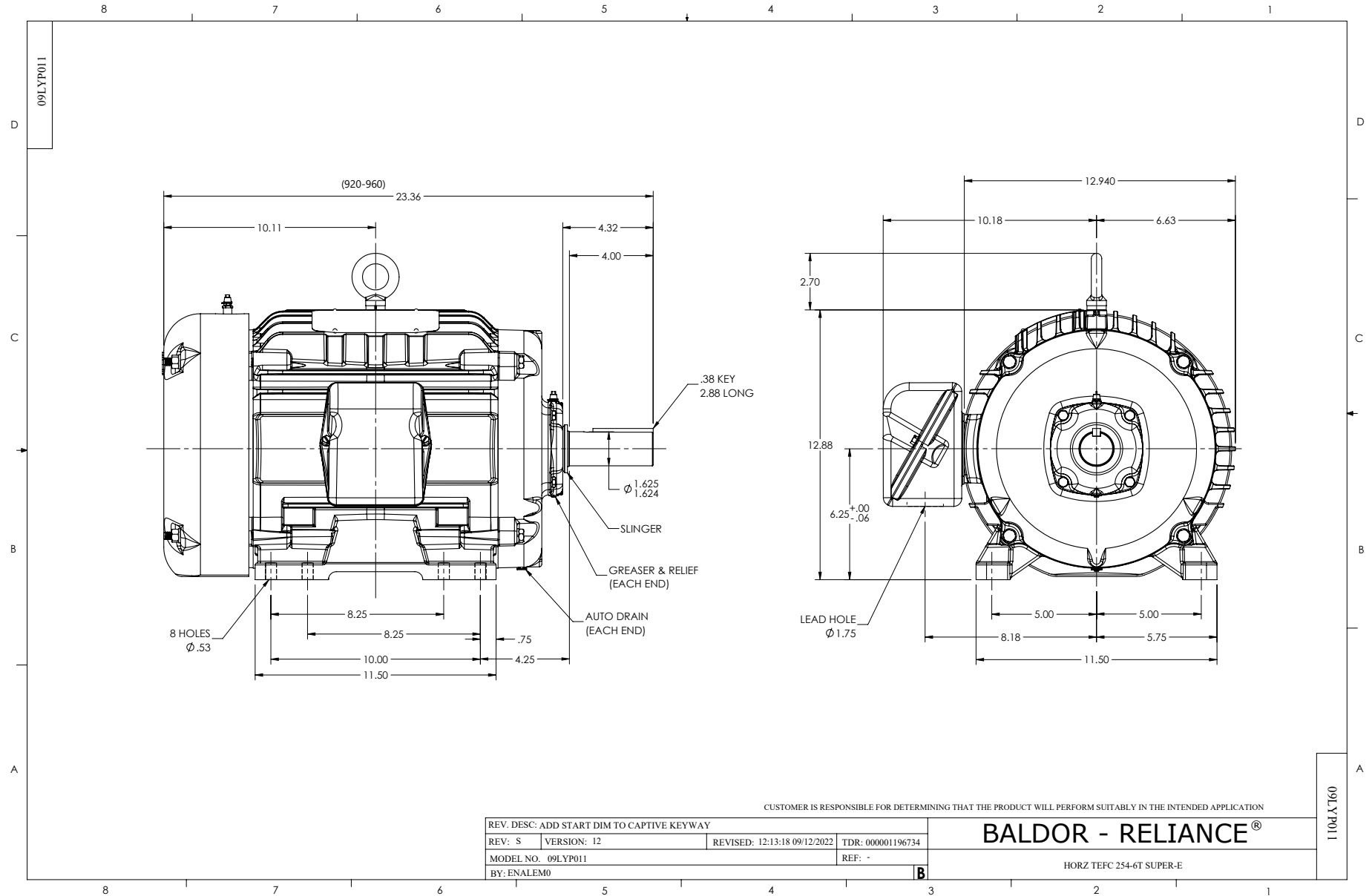
WINDING # 09WGZ588

Typical performance - not guaranteed values.

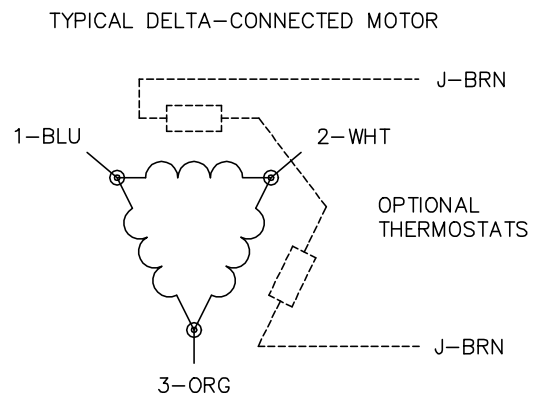
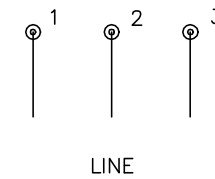
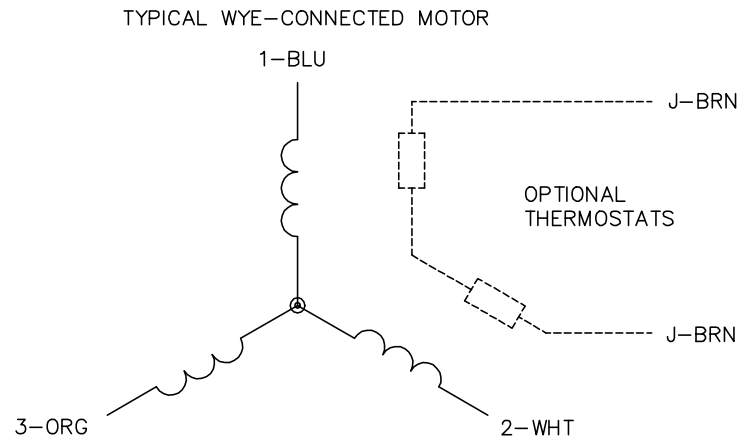
15 HP 3 PH 60 HZ 3525 RPM 575 V 0930M

TORQUES (LB-FT): PO=110 PU=27.4 LR=38 LRA=91.8





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

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