ABB BALDOR RELIANCE

Customer information packet

XT3152T

15HP, 3520RPM, 3PH, 60HZ, 254T, 0930M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/5/2026 9:23:06 AM

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CCSA US
	CSA EEV
	NEMA PREMIUM
	NEMA_PREMIUM
	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
Constant Torque Speed Range	6
Current @ Voltage	38.000 A @ 208.0 V
	35.000 A @ 230.0 V
	17.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGZ602
Layout	09LY-001-224
Eff. date	06-28-2024
CD Diagram	CD0180
Poles	02
Leads	9#12
Proprietary	False
Created date	11-20-2020

Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	17.5 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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	87
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3520 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

NP4163L									
CAT.NO.	XT3152T					**I.P.**	54		
SPEC.	09-0000-2754					**ENCL**	TEFC		
FRAME	254T		**H.P.**	15					
VOLTS	230/460		**P.F.**	87					
F.L. AMPS	35/17.5			**RATING**	40C AMB-CONT				
R.P.M.	3520								
HZ.	60	**PH.**	3	**CLASS**	F				
SER.F.	1.15	**DES.**	B	**SL HZ**	1.3				
NEMA NOM. EFF.	91	**WK2**	0.77						
DE	6309	**ODE**	6208						
MAG. CUR.	12.6/6.3								
INV TYPE	PWM	**CHP**	60	**TO**	90	**T. CODE**	T3A		
CT	6	**TO**	60	**VT**	6	**TO**	60		
CC	010A	**SN**							
	USABLE AT 50 HZ 10HP 190/380V 29.4/14.7A								

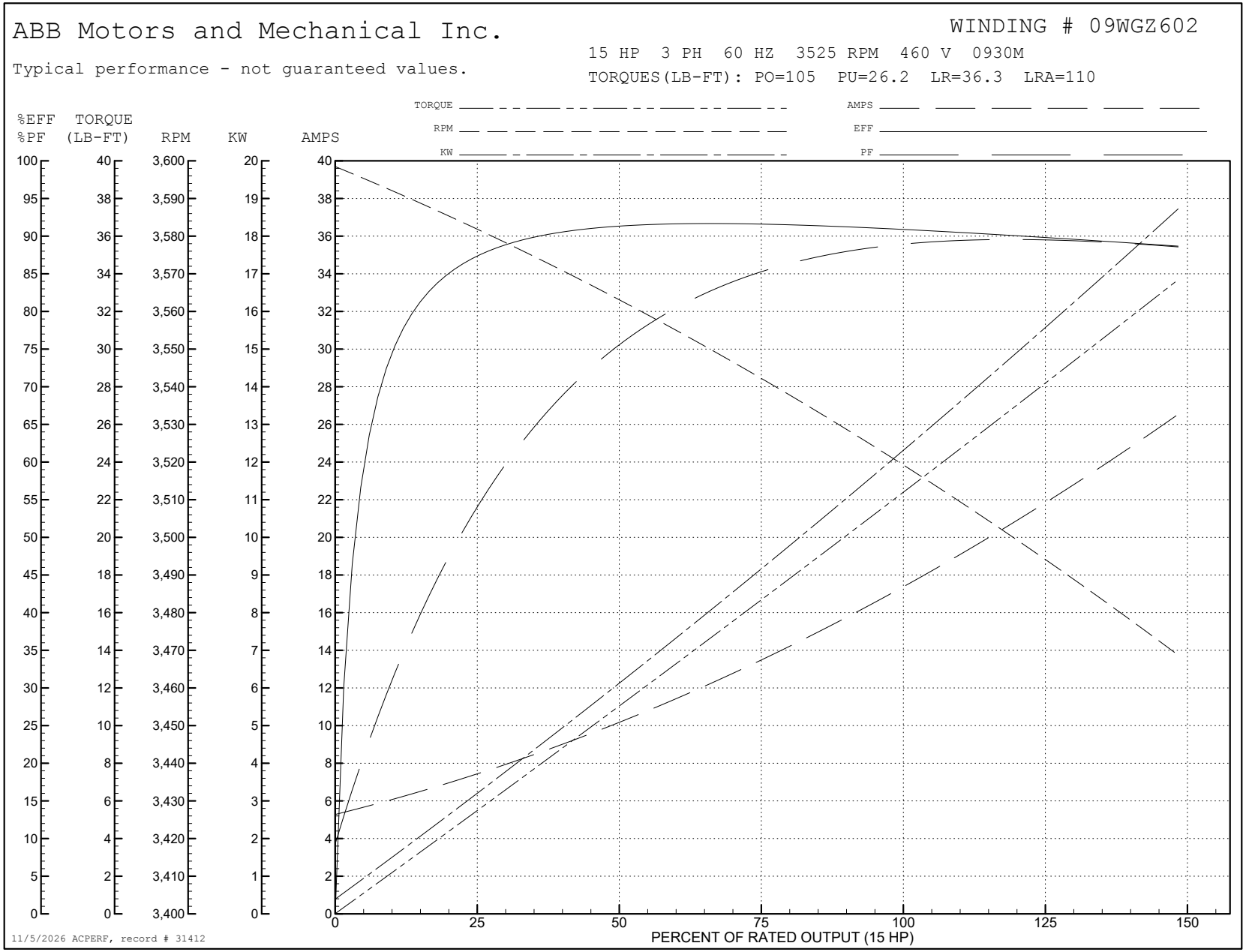
AC Induction Motor Performance Data
Record # 31412
Typical performance - not guaranteed values

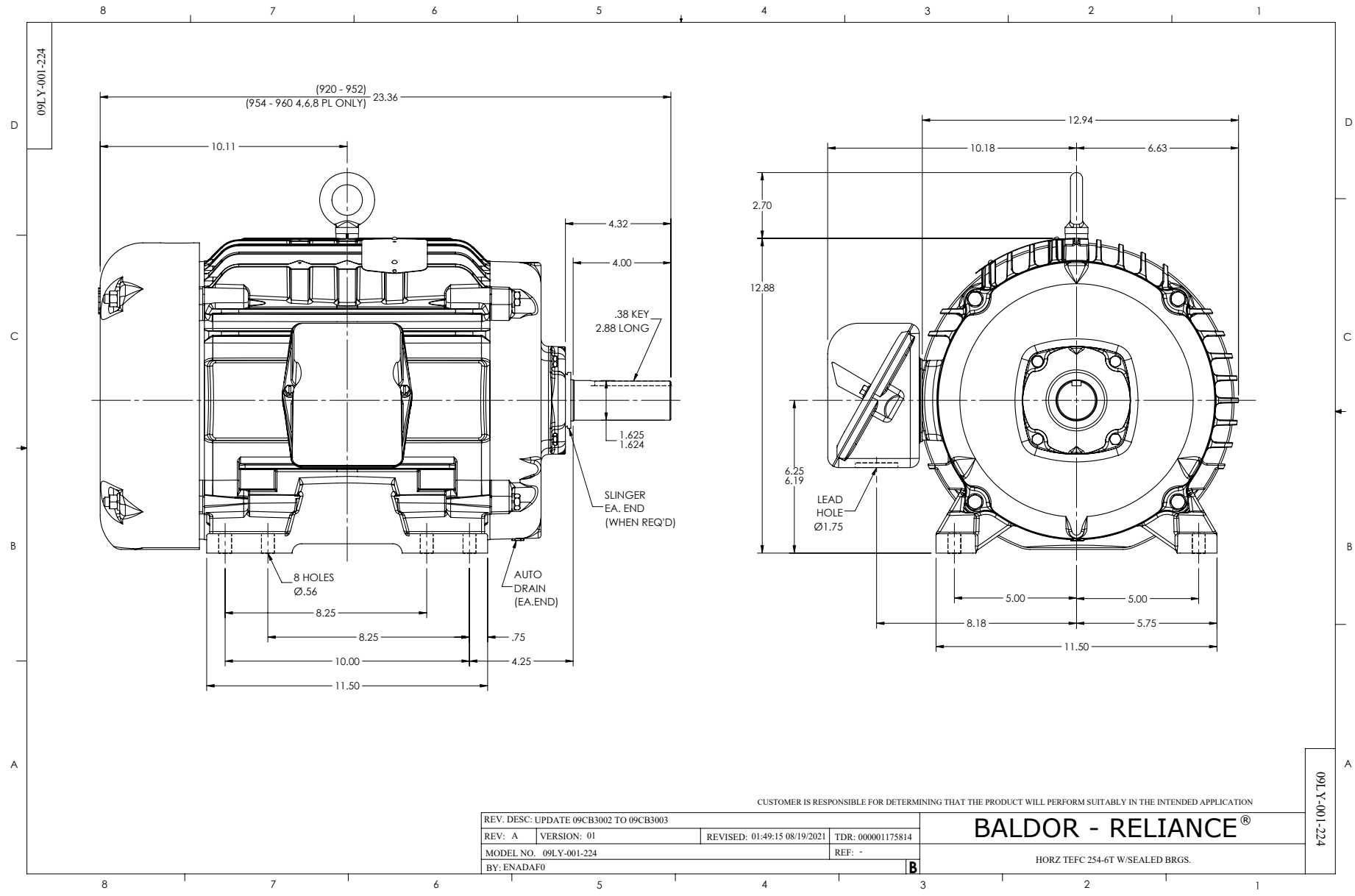
Winding: 09WGZ602-R001	**Type:** 0930M	**Enclosure:** TEFC

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. @ 25ºC**	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

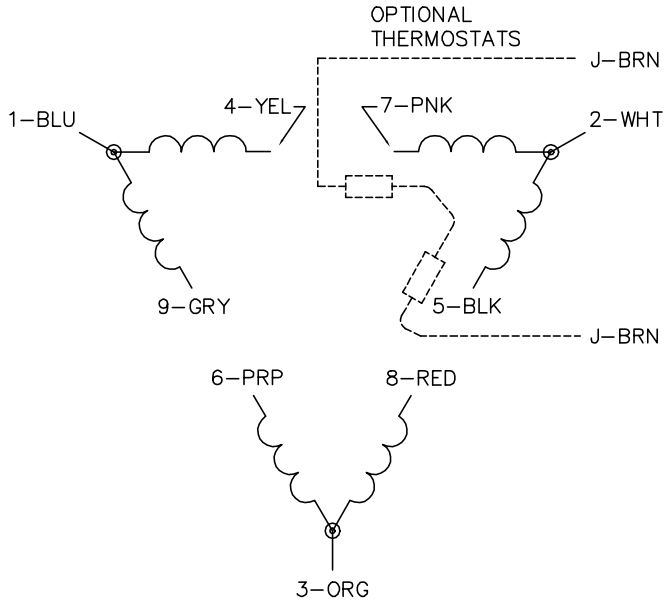
Load Characteristics 460 V, 60 Hz, 15 HP

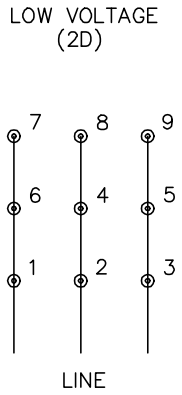
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	55	77	85	87	89	89	88
Efficiency	86.4	91	91.6	91	90	88.6	90.4
Speed	3582.7	3563.6	3542.7	3520.9	3495.8	3468.3	3506
Line amperes	6.93	9.78	13.5	17.5	21.6	26.4	20

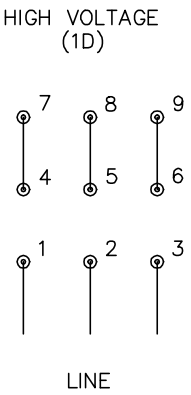

ABB Motors and Mechanical Inc.
WINDING # 09WGZ602
15 HP 3 PH 60 HZ 3525 RPM 460 V 0930M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=105 PU=26.2 LR=36.3 LRA=110
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (15 HP)
11/5/2026 ACPERF, record # 31412


09LY-001-224
(920 - 952)
(954 - 960 4,6,8 PL ONLY)
23.36
10.11
4.32
4.00
.38 KEY
2.88 LONG
1.625
1.624
SLINGER
EA. END
(WHEN REQ'D)
8 HOLES
Ø.56
AUTO
DRAIN
(EA.END)
8.25
8.25
.75
10.00
4.25
11.50
12.94
10.18
6.63
2.70
12.88
6.25
6.19
LEAD
HOLE
Ø1.75
5.00
5.00
8.18
5.75
11.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 09CB3002 TO 09CB3003
REV: A
VERSION: 01
REVISED: 01:49:15 08/19/2021
TDR: 000001175814
MODEL NO. 09LY-001-224
REF: -
BY: ENADAF0
B
BALDOR - RELIANCE®
HORZ TEFC 254-6T W/SEALED BRGS.
09LY-001-224

CD0180







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: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1