ABB BALDOR RELIANCE

Customer information packet

XT3106T

10HP, 1180RPM, 3PH, 60HZ, 256T, 0960M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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11/5/2026 10:14:35 AM

Specifications

Enclosure	TEFC
Frame	256T
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	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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	3
Current @ Voltage	30.000 A @ 208.0 V
	28.200 A @ 230.0 V
	14.100 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.	09WGT193
Layout	09LY-001-224
Eff. date	06-28-2024
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	11-04-2020

Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	14.1 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.36 IN
Power Factor	72
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	1180 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.	XT3106T							**I.P.**	54		
SPEC.	09-0000-2718							**ENCL**	TEFC		
FRAME	256T			**H.P.**	10						
VOLTS	230/460			**P.F.**	72						
F.L. AMPS	28.2/14.1					**RATING**	40C AMB-CONT				
R.P.M.	1180										
HZ.	60	**PH.**	3			**CLASS**	F				
SER.F.	1.15	**DES.**	B			**SL HZ**	1				
NEMA NOM. EFF.	91			**WK2**	4.82						
DE	6309			**ODE**	6208						
MAG. CUR.	13/6.5										
INV TYPE	PWM	**CHP**	60		**TO**	90		**T. CODE**	T3A		
CT	3	**TO**	60	**VT**	3	**TO**	60				
CC	010A	**SN**									
	USABLE AT 50HZ 7.5 HP 190/380V										
	26.2/13.1 A										

AC Induction Motor Performance Data
Record # 56878
Typical performance - not guaranteed values

Winding: 09WGT193-R008	**Type:** 0960M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	44.3 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			28.2/14.1	**Breakdown Torque**	121 LB-FT
R.P.M.			1180	**Pull-up Torque**	50.6 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	67 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	81 A
Service Factor (S.F.)			1	**No-load Current**	6.84 A
NEMA Nom. Eff.	91	**Power Factor**	72	**Line-line Res. @ 25ºC**	0.746 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	38°C
				Locked-rotor Power Factor	24.9
				Rotor inertia	4.82 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	36	57	67	72	74	75
Efficiency	85.8	90.7	91.9	91.7	91.1	89.4
Speed	1195	1191	1186	1181	1174	1166
Line amperes	7.45	9.13	11.4	14.1	17.3	21.1

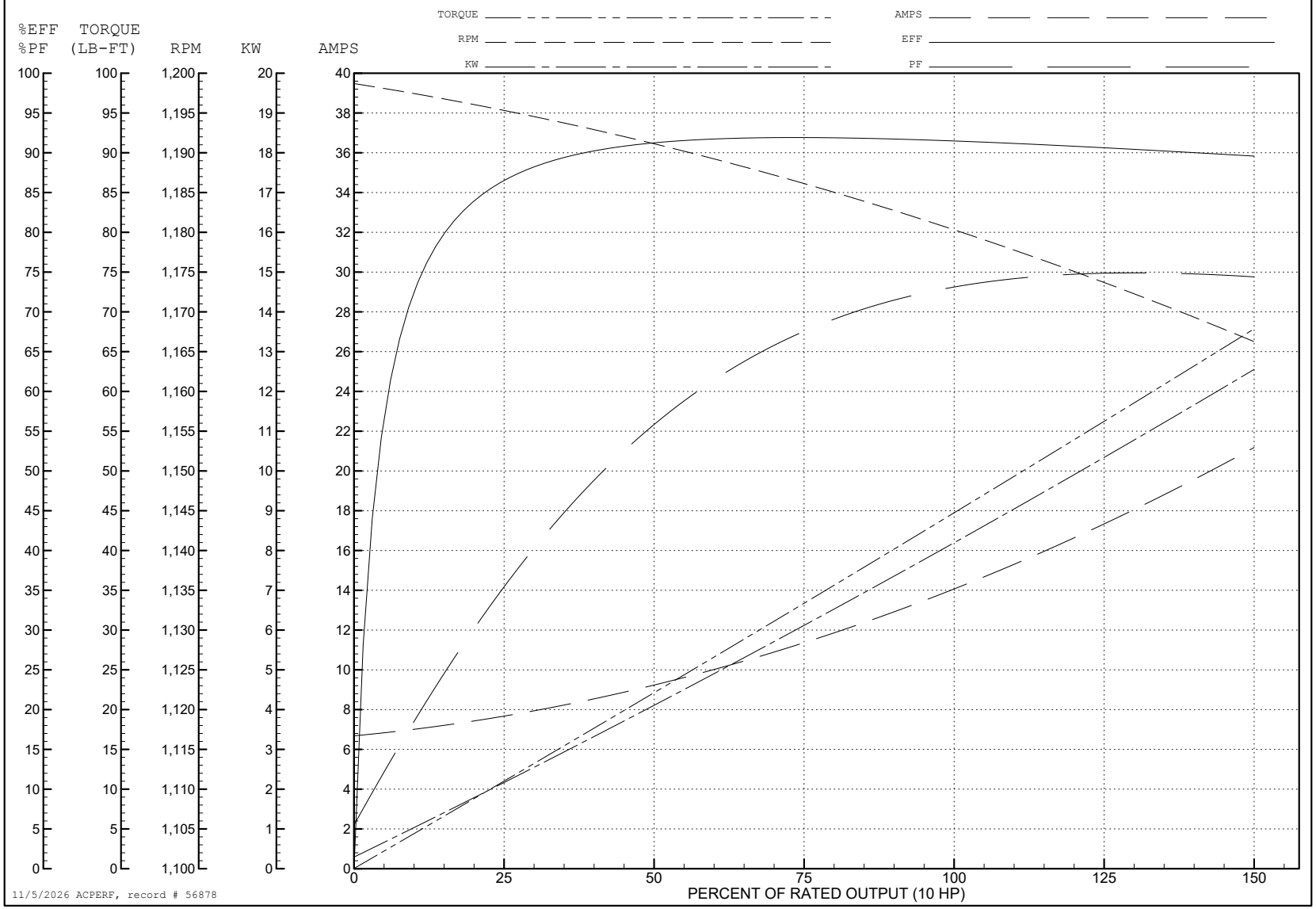
ABB Motors and Mechanical Inc.

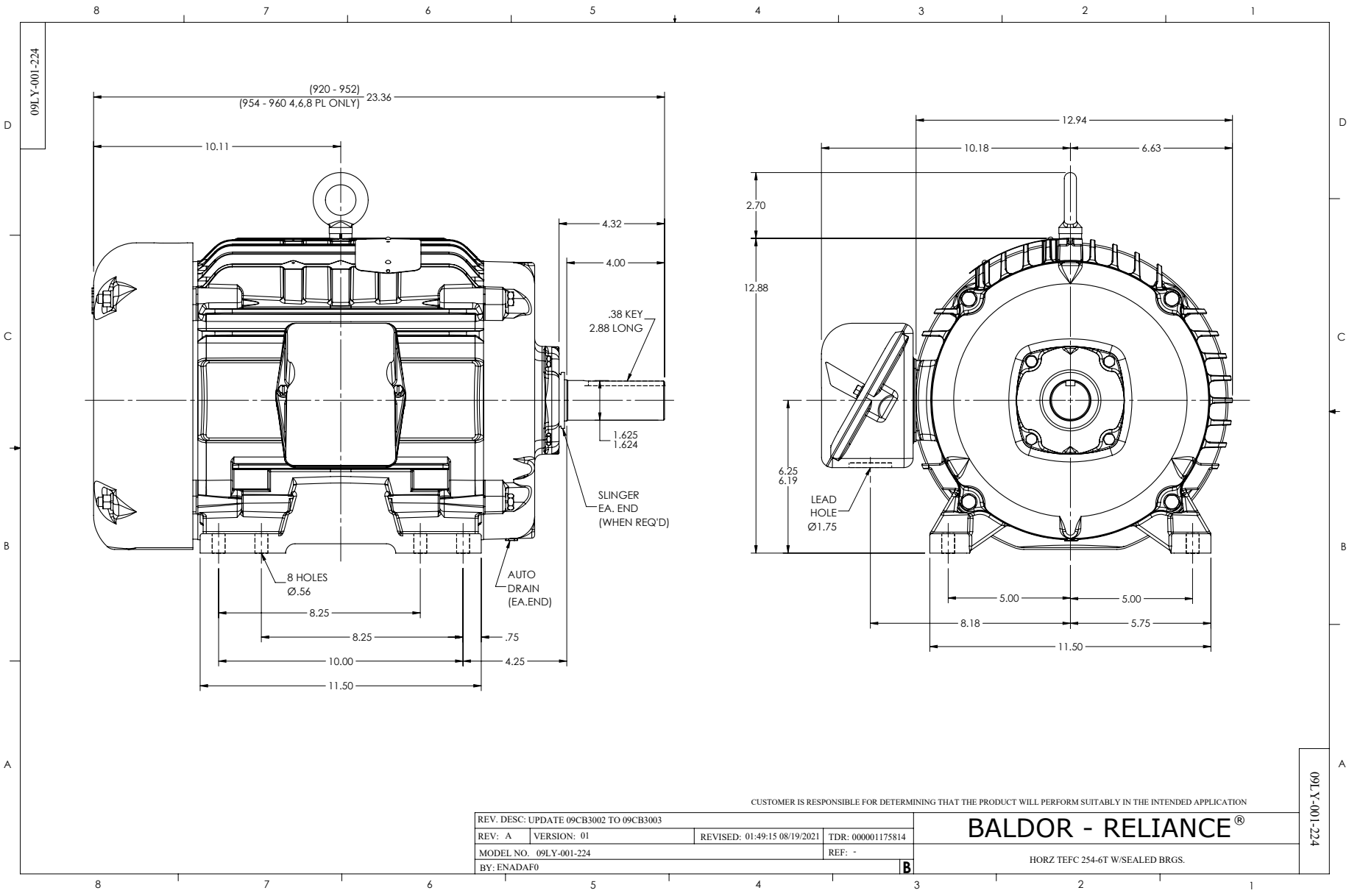
WINDING # 09WGT193

10 HP 3 PH 60 HZ 1180 RPM 460 V 0960M

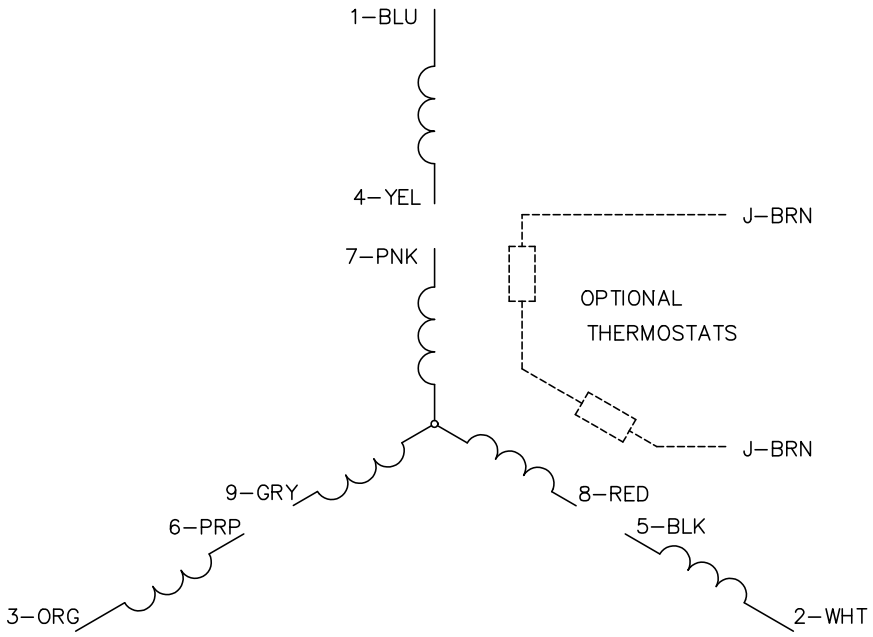
Typical performance - not guaranteed values.

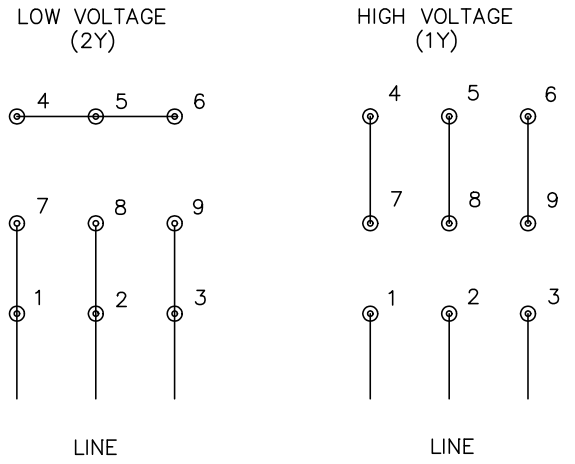
TORQUES(LB-FT): PO=121 PU=50.6 LR=67 LRA=81




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

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS