ABB BALDOR RELIANCE

Customer information packet

L1177T

15HP, 1760RPM, 1PH, 60HZ, 254T, 0956LC, TEFC
Class - None
Division - Not Applicable

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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	Cap Start, Cap Run
Output @ Frequency	15.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	60.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
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	60.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	E

Part Detail

Revision	AN
Type	AC
Mech. spec.	09G373
Base	
Status	PRD/A
Elec. spec.	09WGZ143
Layout	09LYG373
Eff. date	02-08-2024
CD Diagram	CD1084
Poles	04
Leads	2#6 A PH 12" long,2#12 B PH Y
Proprietary	False
Created date	11-18-2005

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 6 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0956LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.36 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
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	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L								
CAT.NO.	L1177T							
SPEC.	09G373Z143G1							
HP	15							
VOLTS	230							
AMP	60							
RPM	1760							
FRAME	254T	**HZ**	60			**PH**	1	
SER.F.	1.00	**CODE**	E	**DES**	L	**CLASS**	F	
NEMA-NOM-EFF	86.5	**PF**	96					
RATING	40C AMB-CONT							
CC								
DE	6309	**ODE**	6307					
ENCL	TEFC	**SN**						

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 21347
Typical performance - not guaranteed values

Winding: 09WGZ143-R001	**Type:** 0956LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			15	**Full Load Torque**	45.3 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			60	**Breakdown Torque**	114 LB-FT
R.P.M.			1760	**Pull-up Torque**	55 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	76.7 LB-FT
NEMA Design Code	L	**KVA Code**	E	**Starting Current**	304 A
Service Factor (S.F.)			1	**No-load Current**	7.93 A
NEMA Nom. Eff.	86.5	**Power Factor**	96	**Line-line Res. @ 25ºC**	0.11 Ω A Ph 0.415 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	80°C

Load Characteristics 230 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	89	95	96	96	95	94
Efficiency	80.5	87.6	88.3	86.9	83.8	79.3
Speed	1784	1768	1749	1727	1698	1664
Line amperes	17	29	42.7	57.9	75.8	97.2

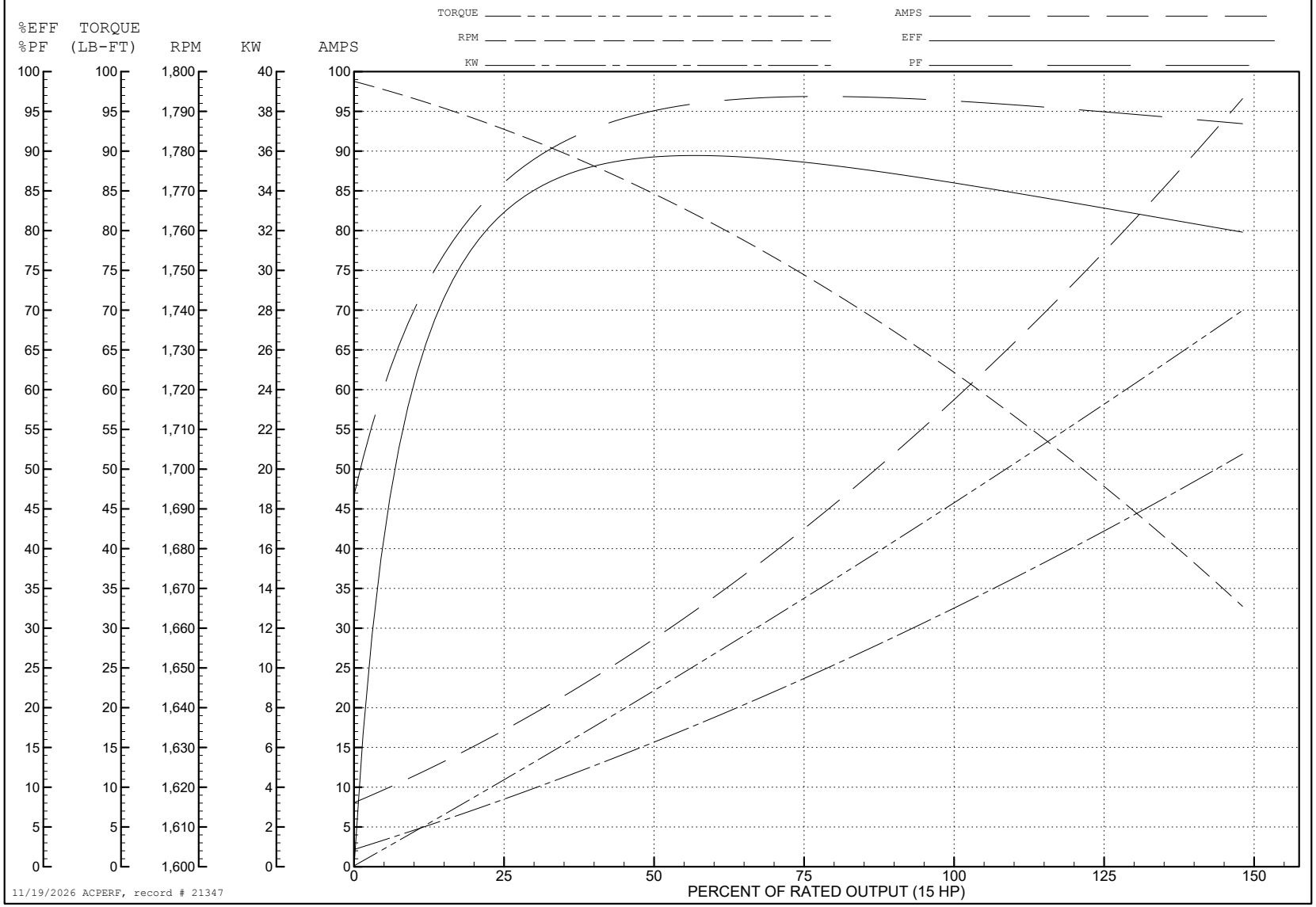
ABB Motors and Mechanical Inc.

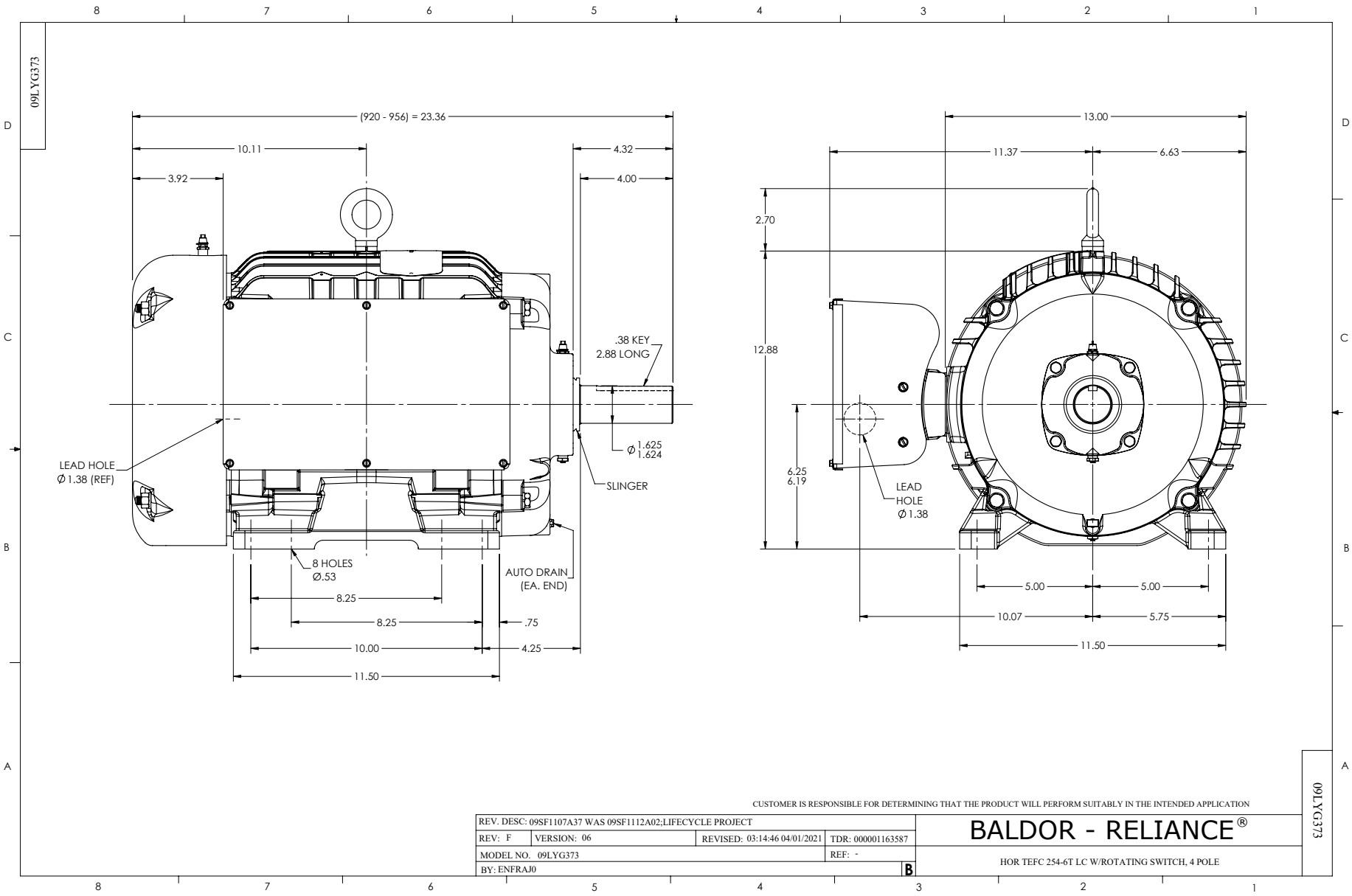
WINDING # 09WGZ143

15 HP 1 PH 60 HZ 1760 RPM 230 V 0956LC

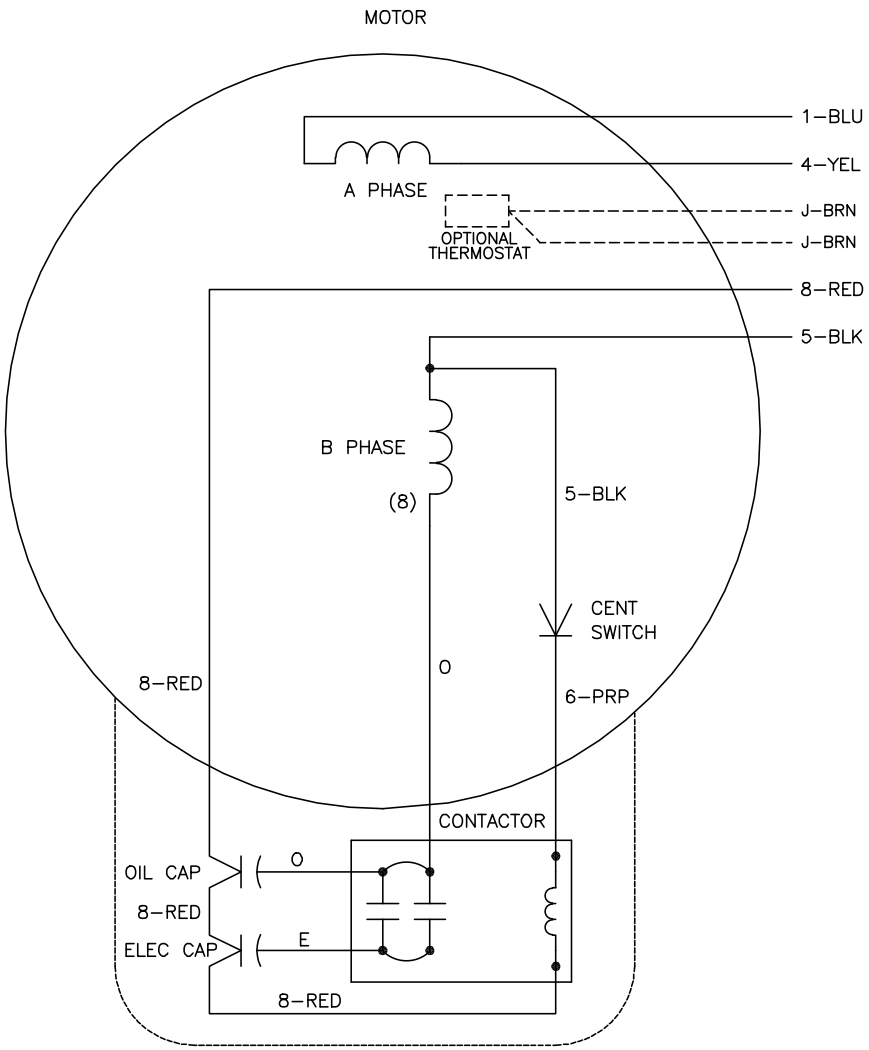
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=114 PU=55 LR=76.7 LRA=304




09LYG373
(920 - 956) = 23.36
10.11
4.32
3.92
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
LEAD HOLE
Ø 1.38 (REF)
SLINGER
8 HOLES
Ø.53
AUTO DRAIN
(EA. END)
8.25
8.25
.75
10.00
4.25
11.50
13.00
11.37
6.63
2.70
12.88
6.25
6.19
LEAD
HOLE
Ø 1.38
5.00
5.00
10.07
5.75
11.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: 09SF1107A37 WAS 09SF1112A02;LIFECYCLE PROJECT
REV: F
VERSION: 06
REVISED: 03:14:46 04/01/2021
TDR: 000001163587
MODEL NO. 09LYG373
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HOR TEFC 254-6T LC W/ROTATING SWITCH, 4 POLE
09LYG373

CD1084



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	4,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. USE GE CR353CB2AB1, OR FURNAS 45DG20AG, OR EQUIVALENT POTENTIAL RELAY.
5. DRESS LEADS AWAY FROM RELAY TO AVOID INTERFERENCE.
6. CAPS AND RELAY MAY BE SEPERATELY MOUNTED.
7. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD1084

REV. DESC: CHG 'RELAY' TO 'CONTACTOR'		
REV. LTR: E	VERSION: 02	TDR: 000001259046
FILE: \AAA\00029\485	REVISED: 01:02:57 07/08/2025	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

TYPE LC, SV, REV, 4LD, RELAY W/CENT SW, ON/OFF SW

SH 1 of 1