ABB BALDOR RELIANCE

Customer information packet

GDL1610T

10HP, 1740RPM, 1PH, 60HZ, 215TZ, 3748LC, ODTF
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODTF
Frame	215TZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	10.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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	38.000 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	38.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	Q
Type	AC
Mech. spec.	37M329
Base	
Status	PRD/A
Elec. spec.	37WGT875
Layout	37LYM329
Eff. date	02-08-2024
CD Diagram	CD1084
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	11-14-2014

KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3748LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.85 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	Included
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1740 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.	GDL1610T								
SPEC.	37M329T875G1								
HP	10								
VOLTS	230								
AMP	38								
RPM	1740								
FRAME	215TZ	**HZ**	60			**PH**	1		
SER.F.	1.00	**CODE**	F	**DES**	L	**CLASS**	F		
NEMA-NOM-EFF	86.5	**PF**	98						
RATING	40C AMB-CONT								
CC									
DE	6307	**ODE**	6206						
ENCL	ODTF	**SN**							

Accessories

Part number	Description	Multiplier
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 37141
Typical performance - not guaranteed values

Winding: 37WGT875-R001	**Type:** 3748LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	29.8 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			38	**Breakdown Torque**	84 LB-FT
R.P.M.			1740	**Pull-up Torque**	56.4 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	76.8 LB-FT
NEMA Design Code	L	**KVA Code**	F	**Starting Current**	234 A
Service Factor (S.F.)			1	**No-load Current**	4.37 A
NEMA Nom. Eff.	86.5	**Power Factor**	98	**Line-line Res. @ 25ºC**	0.17 Ω A Ph 0.488 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	96°C

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	96	98	98	98	97	95
Efficiency	75.4	86.2	87.7	86.8	84.1	79.4
Speed	1788	1775	1759	1741	1720	1696
Line amperes	10.7	18.9	28	37.7	49.1	64.9

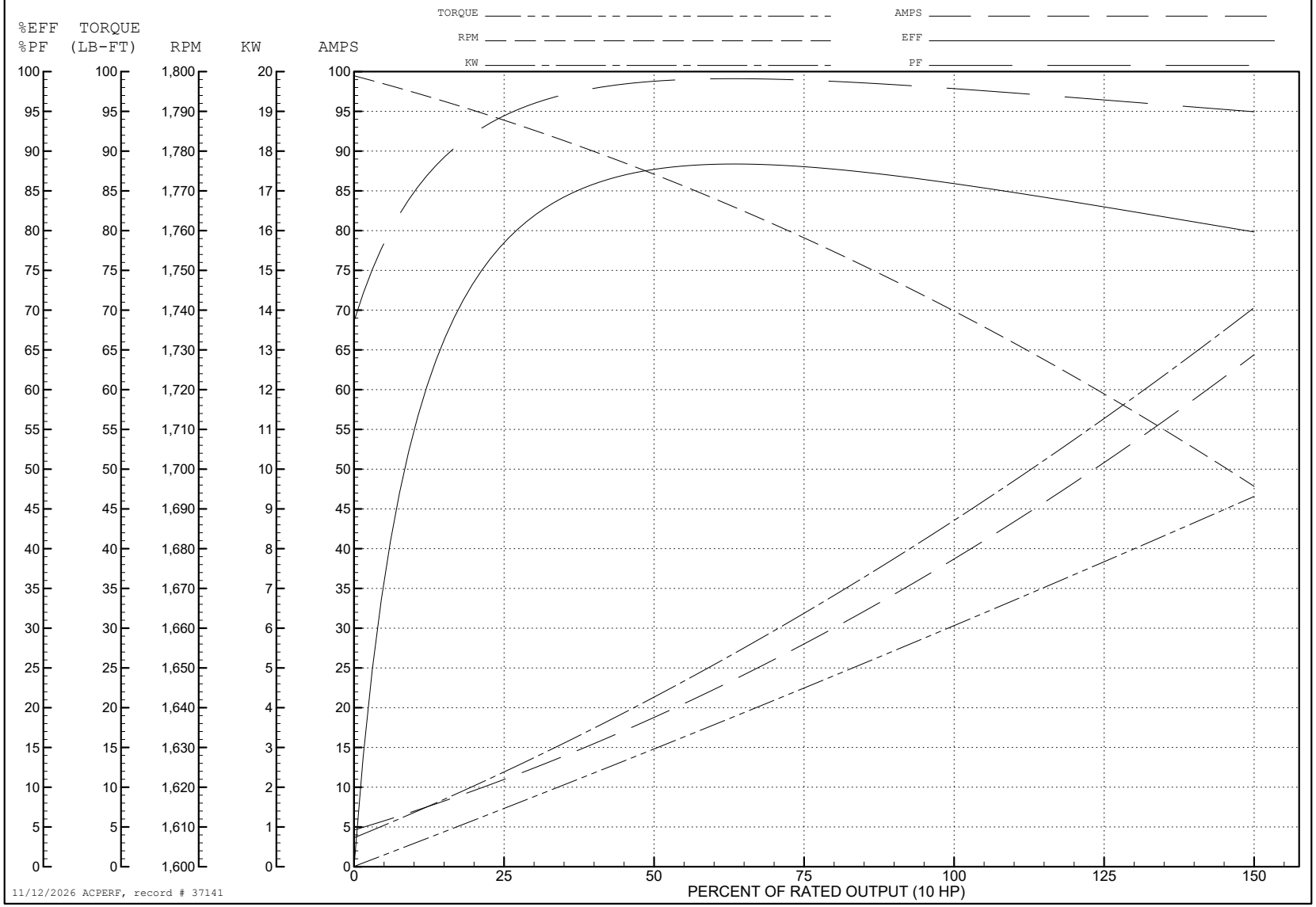
ABB Motors and Mechanical Inc.

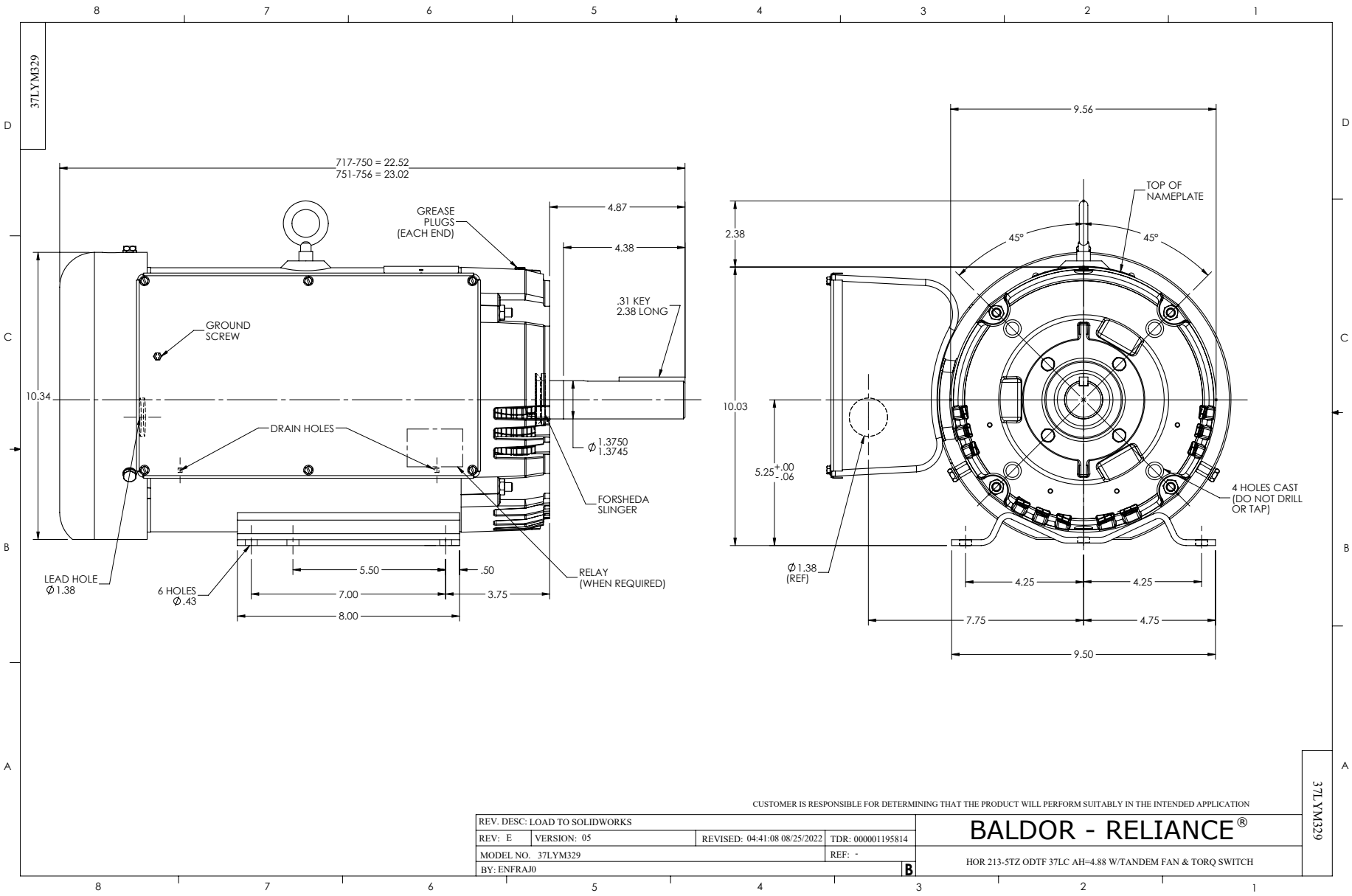
WINDING # 37WGT875

10 HP 1 PH 60 HZ 1740 RPM 230 V 3748LC

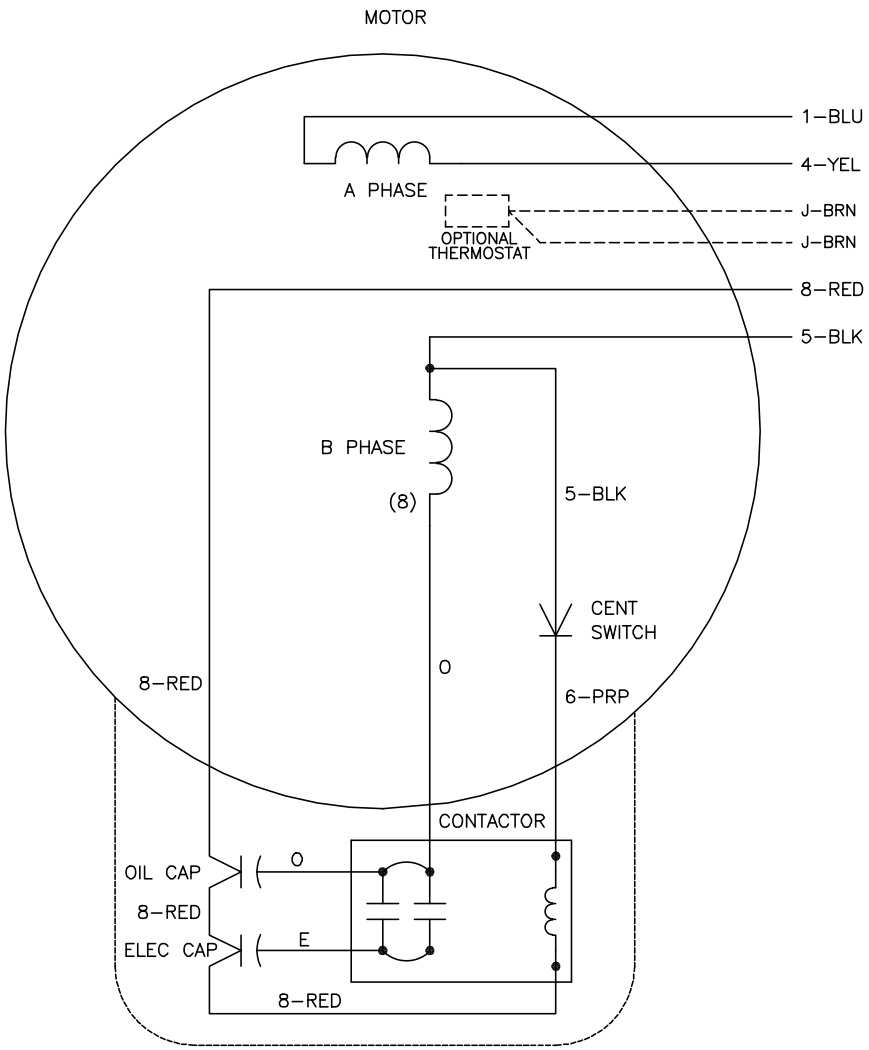
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=84 PU=56.4 LR=76.8 LRA=234




37LYM329
717-750 = 22.52
751-756 = 23.02
GREASE PLUGS (EACH END)
4.87
4.38
.31 KEY 2.38 LONG
GROUND SCREW
10.34
DRAIN HOLES
Ø1.3750 1.3745
FORSHEDA SLINGER
RELAY (WHEN REQUIRED)
LEAD HOLE Ø1.38
6 HOLES Ø.43
5.50
.50
7.00
3.75
8.00
9.56
TOP OF NAMEPLATE
45°
45°
2.38
10.03
5.25 +.00 -.06
4 HOLES CAST (DO NOT DRILL OR TAP)
Ø1.38 (REF)
4.25
4.25
7.75
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD TO SOLIDWORKS
REV: E
VERSION: 05
REVISED: 04:41:08 08/25/2022
TDR: 000001195814
MODEL NO. 37LYM329
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HOR 213-5TZ ODTF 37LC AH=4.88 W/TANDEM FAN & TORQ SWITCH
37LYM329

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

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