ABB BALDOR RELIANCE

Customer information packet

L3712T

10HP, 1740RPM, 1PH, 60HZ, 215T, 3748LC, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215T
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	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	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
KVA Code	F

Part Detail

Revision	S
Type	AC
Mech. spec.	37M293
Base	
Status	PRD/A
Elec. spec.	37WGT875
Layout	37LYM293
Eff. date	05-13-2024
CD Diagram	CD1084
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	01-07-2010

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No 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	20.52 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	No Slinger
Speed	1740 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

NP1256L								
CAT.NO.	L3712T							
SPEC.	37M293T875							
HP	10							
VOLTS	230							
AMP	38							
RPM	1740							
FRAME	215T	**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	TEFC	**SN**						

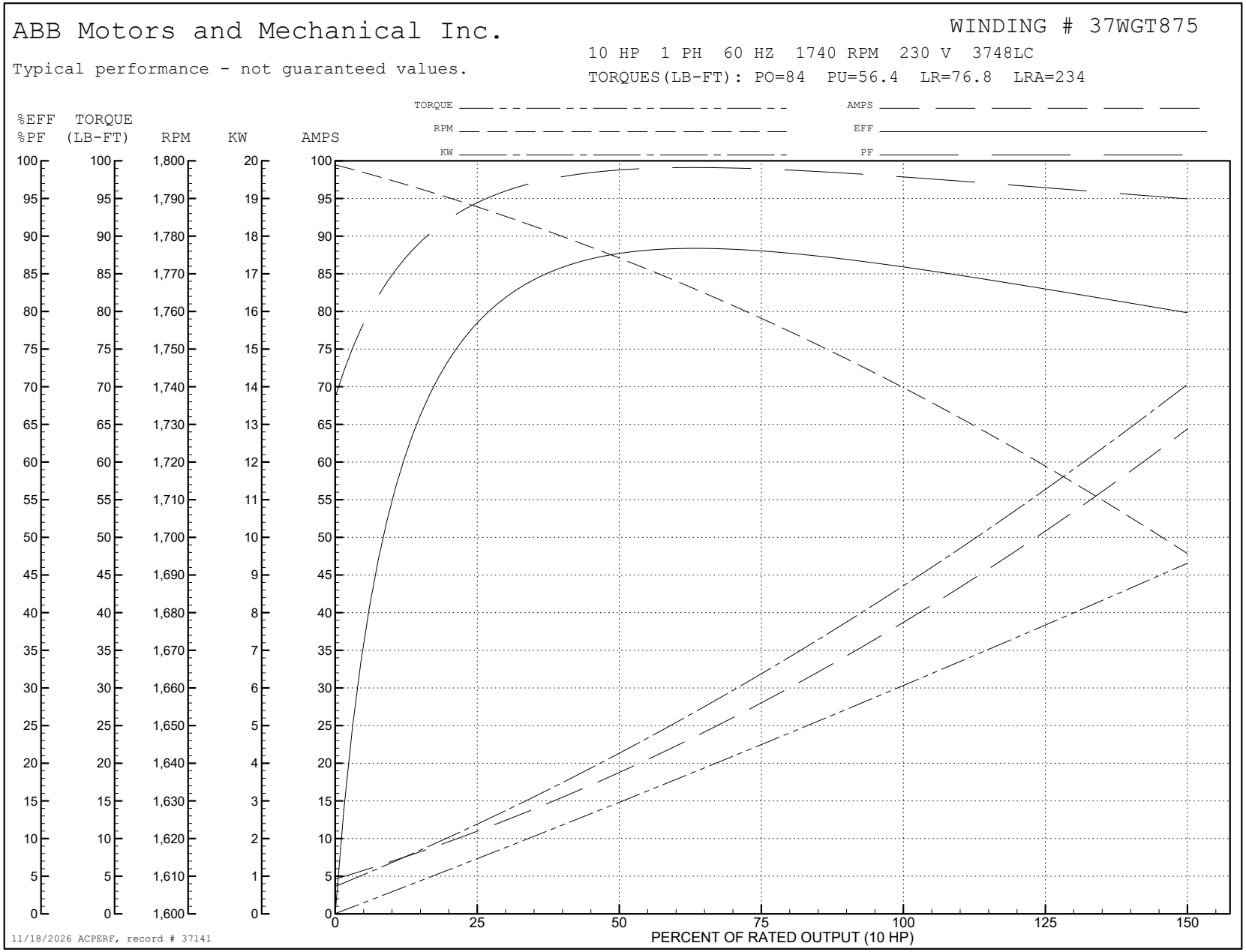
AC Induction Motor Performance Data
Record # 37141
Typical performance - not guaranteed values

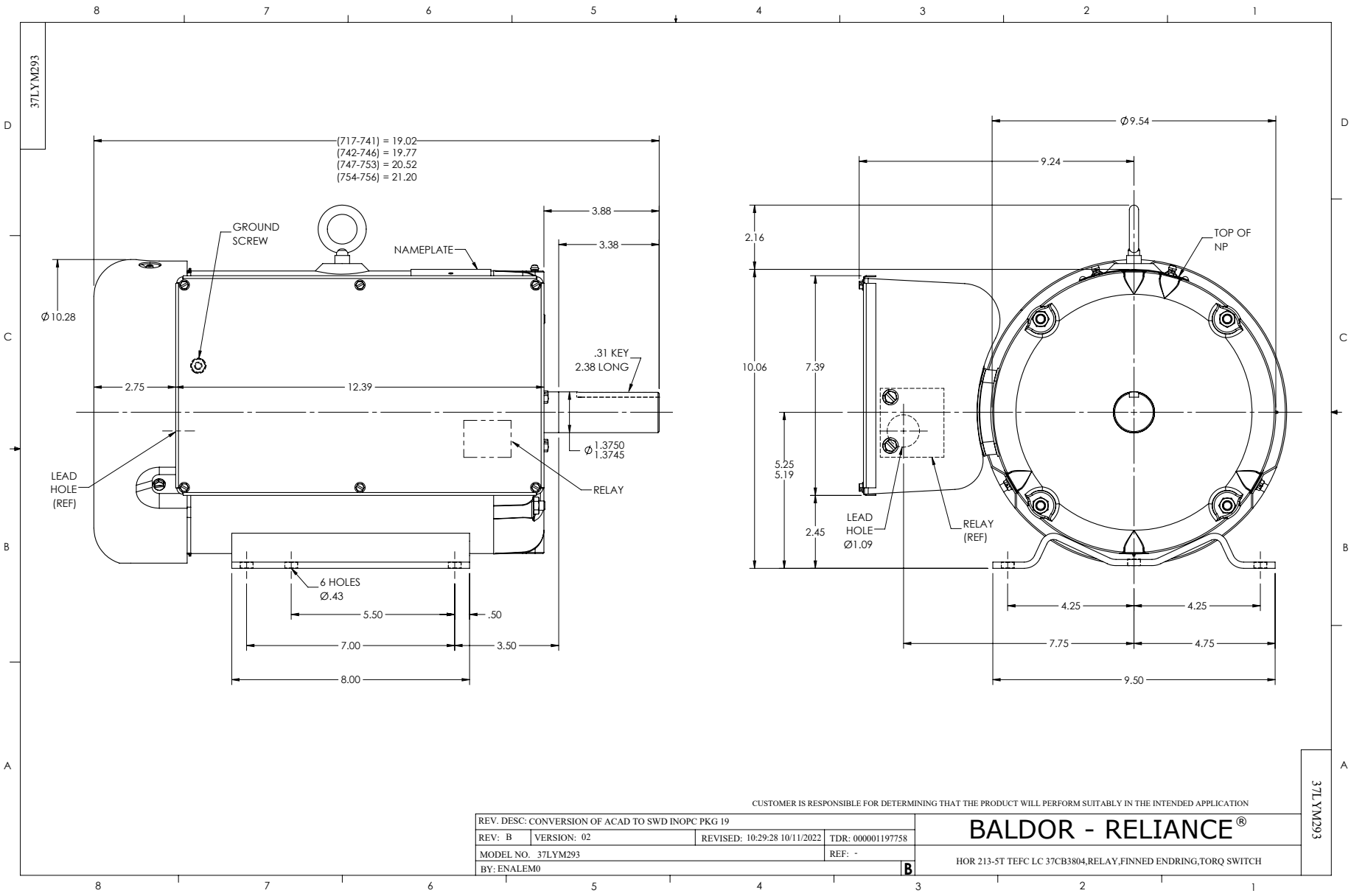
Winding: 37WGT875-R001	**Type:** 3748LC	**Enclosure:** TEFC

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

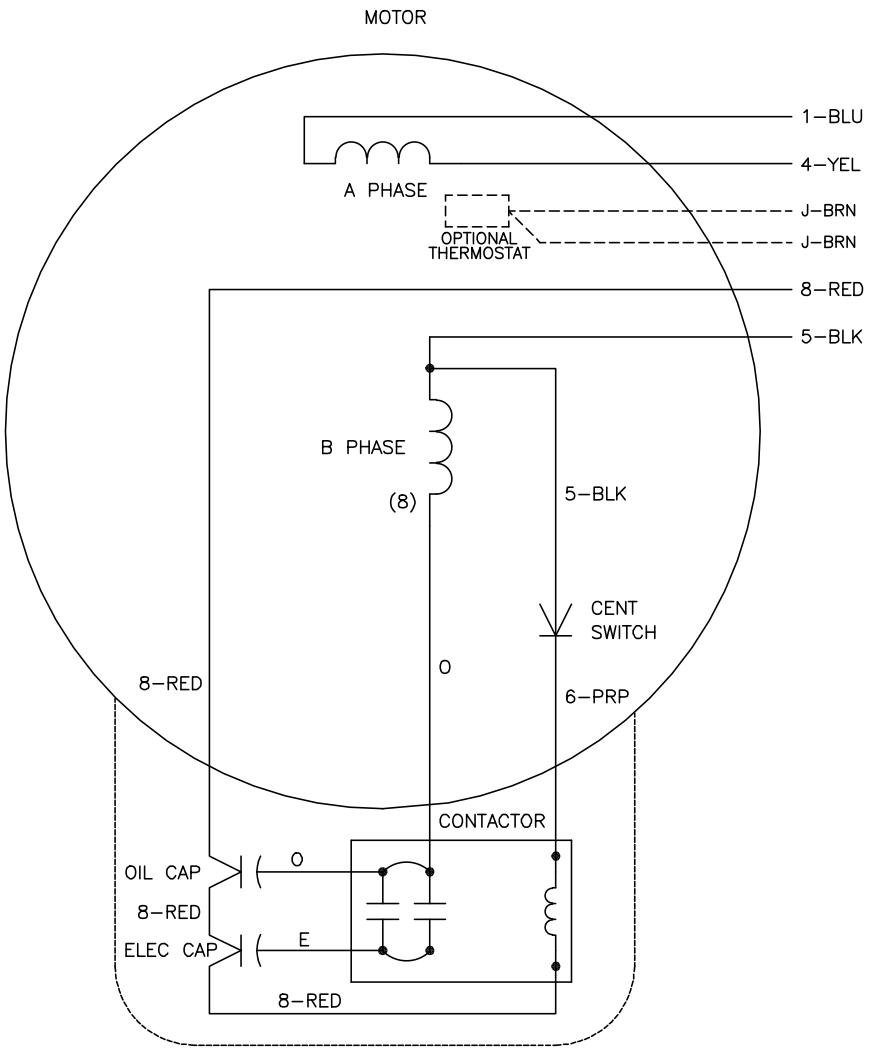
Load Characteristics 230 V, 60 Hz, 10 HP

% 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
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
11/18/2026 ACPERF, record # 37141


37LYM293
(717-741) = 19.02
(742-746) = 19.77
(747-753) = 20.52
(754-756) = 21.20
GROUND SCREW
NAMEPLATE
3.88
3.38
Ø10.28
.31 KEY
2.38 LONG
2.75
12.39
Ø1.3750
1.3745
LEAD HOLE (REF)
RELAY
6 HOLES Ø.43
5.50
.50
7.00
3.50
8.00
Ø9.54
9.24
2.16
TOP OF NP
10.06
7.39
5.25
5.19
2.45
LEAD HOLE Ø1.09
RELAY (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: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: B
VERSION: 02
REVISED: 10:29:28 10/11/2022
TDR: 000001197758
MODEL NO. 37LYM293
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5T TEFC LC 37CB3804,RELAY,FINNED ENDRING,TORQ SWITCH
37LYM293

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