ABB BALDOR RELIANCE

Customer information packet

L3711T

10HP, 3450RPM, 1PH, 60HZ, 215T, 3744LC, 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	3600 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	40.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.0 %
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	40.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H

Part Detail

Revision	L
Type	AC
Mech. spec.	37M230
Base	
Status	PRD/A
Elec. spec.	37WGW578
Layout	37LYM230
Eff. date	05-13-2024
CD Diagram	CD0086
Poles	02
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	02-09-2010

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3744LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.02 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	3450 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.	L3711T							
SPEC.	37M230W578							
HP	10							
VOLTS	230							
AMP	40							
RPM	3450							
FRAME	215T	**HZ**	60			**PH**	1	
SER.F.	1.00	**CODE**	H	**DES**	L	**CLASS**	F	
NEMA-NOM-EFF	82	**PF**	98					
RATING	40C AMB-CONT							
CC								
DE	6307	**ODE**	6206					
ENCL	TEFC	**SN**						

Accessories

Part number	Description	Multiplier
37-3301	C FACE KIT	P1

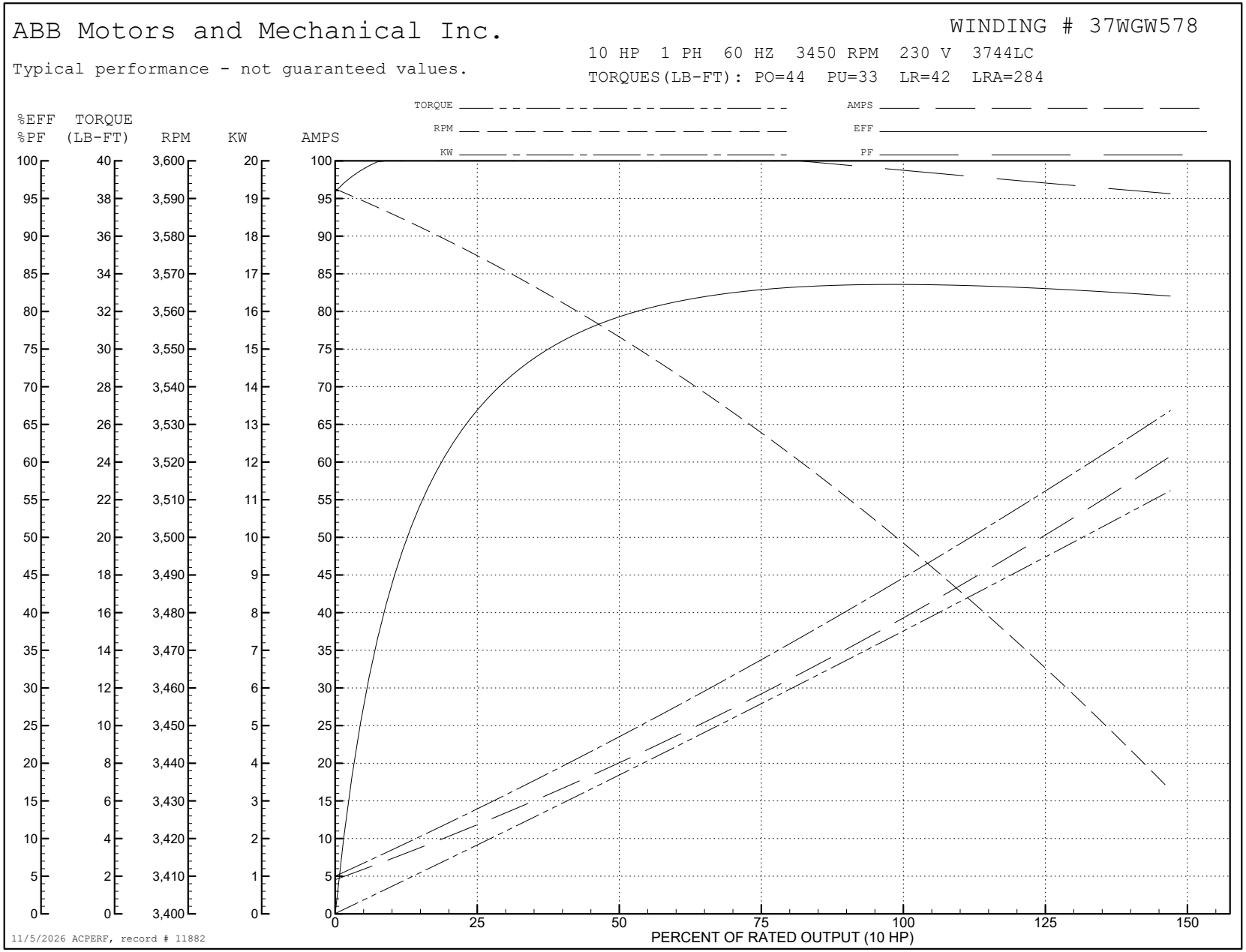
AC Induction Motor Performance Data
Record # 11882
Typical performance - not guaranteed values

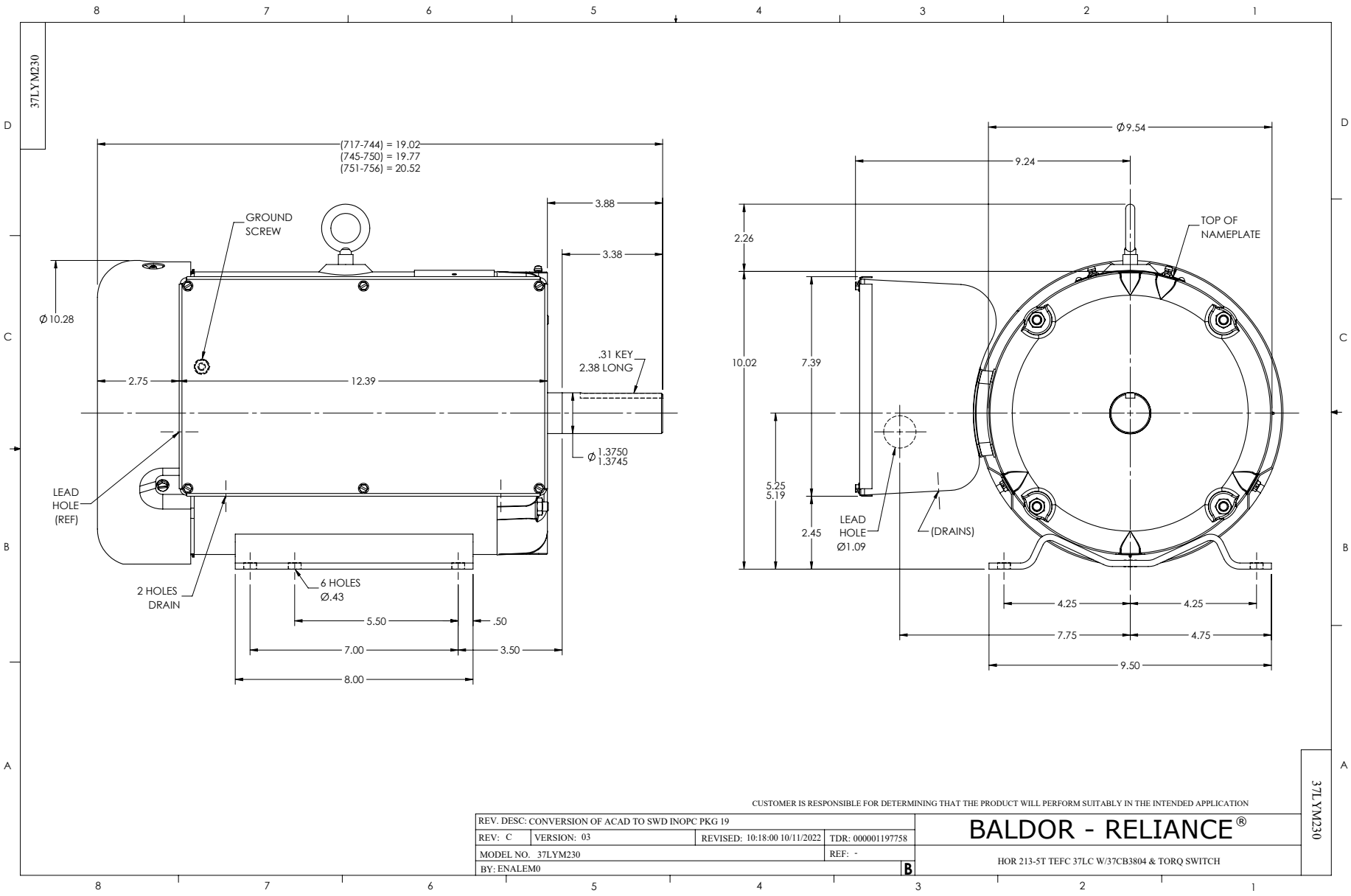
Winding: 37WGW578-R001	**Type:** 3744LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	15 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			40	**Breakdown Torque**	44 LB-FT
R.P.M.			3450	**Pull-up Torque**	33 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	42 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	284 A
Service Factor (S.F.)			1	**No-load Current**	4.3 A
NEMA Nom. Eff.	82	**Power Factor**	98	**Line-line Res. @ 25ºC**	0.174 Ω A Ph 0.681 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	102°C

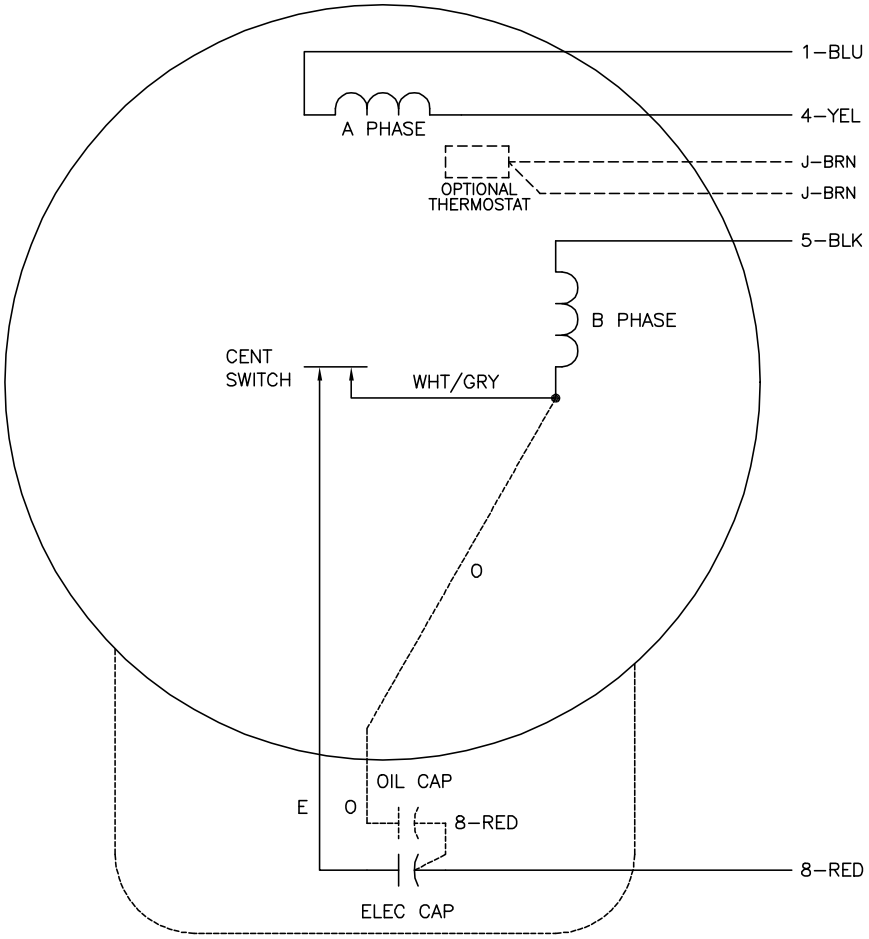
Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	99	99	99	99	98	97
Efficiency	66.6	78.9	82.9	83.9	83.4	81.8
Speed	3573	3551	3527	3500	3469	3431
Line amperes	12.2	20.6	29.5	39	49.4	61.1


ABB Motors and Mechanical Inc.
WINDING # 37WGW578
10 HP 1 PH 60 HZ 3450 RPM 230 V 3744LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=44 PU=33 LR=42 LRA=284
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
11/5/2026 ACPERF, record # 11882


37LYM230
(717-744) = 19.02
(745-750) = 19.77
(751-756) = 20.52
GROUND SCREW
3.88
3.38
Ø 10.28
.31 KEY
2.38 LONG
2.75
12.39
Ø 1.3750
1.3745
LEAD HOLE (REF)
2 HOLES DRAIN
6 HOLES Ø.43
5.50
.50
7.00
3.50
8.00
Ø 9.54
9.24
TOP OF NAMEPLATE
2.26
10.02
7.39
5.25
5.19
2.45
LEAD HOLE Ø1.09
(DRAINS)
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: C
VERSION: 03
REVISED: 10:18:00 10/11/2022
TDR: 000001197758
MODEL NO. 37LYM230
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5T TEFC 37LC W/37CB3804 & TORQ SWITCH
37LYM230

CD0086



	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. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
5. CAPACITORS MAY BE SEPERATELY MOUNTED.
6. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED CK TO PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: F	BY: JD	REVISED: 16:01:12 01/07/2002	TDR: 259409
9800CD		FILE: AAA00026904	REF: CD0086
		MTL: –	TYPE L OR LC, SV, REV, 4 LEADS, CAPS MAY BE SEP MTD

CD0086