ABB BALDOR RELIANCE

Customer information packet

CL3711T

10HP, 3450RPM, 1PH, 60HZ, 215TC, 3744LC, TEFC
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215TC
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	208.0 V @ 60 HZ
	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
	43.000 A @ 208.0 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

Part Detail

Revision	AS
Type	AC
Mech. spec.	37F395
Base	
Status	PRD/A
Elec. spec.	37WGW578
Layout	37LYF395
Eff. date	05-10-2024
CD Diagram	CD0086
Poles	02
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	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	19.75 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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.	CL3711T								
SPEC.	37F395W578								
HP	10								
VOLTS	208-230								
AMP	43-40								
RPM	3450								
FRAME	215TC	**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**							

AC Induction Motor Performance Data
Record # 68813
Typical performance - not guaranteed values

Winding: 37WGW578-R004	**Type:** 3744LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	15.12 LB-FT
Volts			208-230	**Start Configuration**	direct on line
Full Load Amps			43-40	**Breakdown Torque**	54.9 LB-FT
R.P.M.			3450	**Pull-up Torque**	27.5 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	41.7 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	264 A
Service Factor (S.F.)			1	**No-load Current**	4.78 A
NEMA Nom. Eff.	82	**Power Factor**	98	**Line-line Res. @ 25ºC**	0.17816 Ω A Ph 0.74071 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	97°C

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	98	100	100	99	97	96
Efficiency	74.5	83.9	84.3	83.7	81.3	77.8
Speed	3570.1	3541.3	3511.9	3473.8	3425.9	3363.7
Line amperes	10.8	19.5	28.1	39.3	51.6	65.4

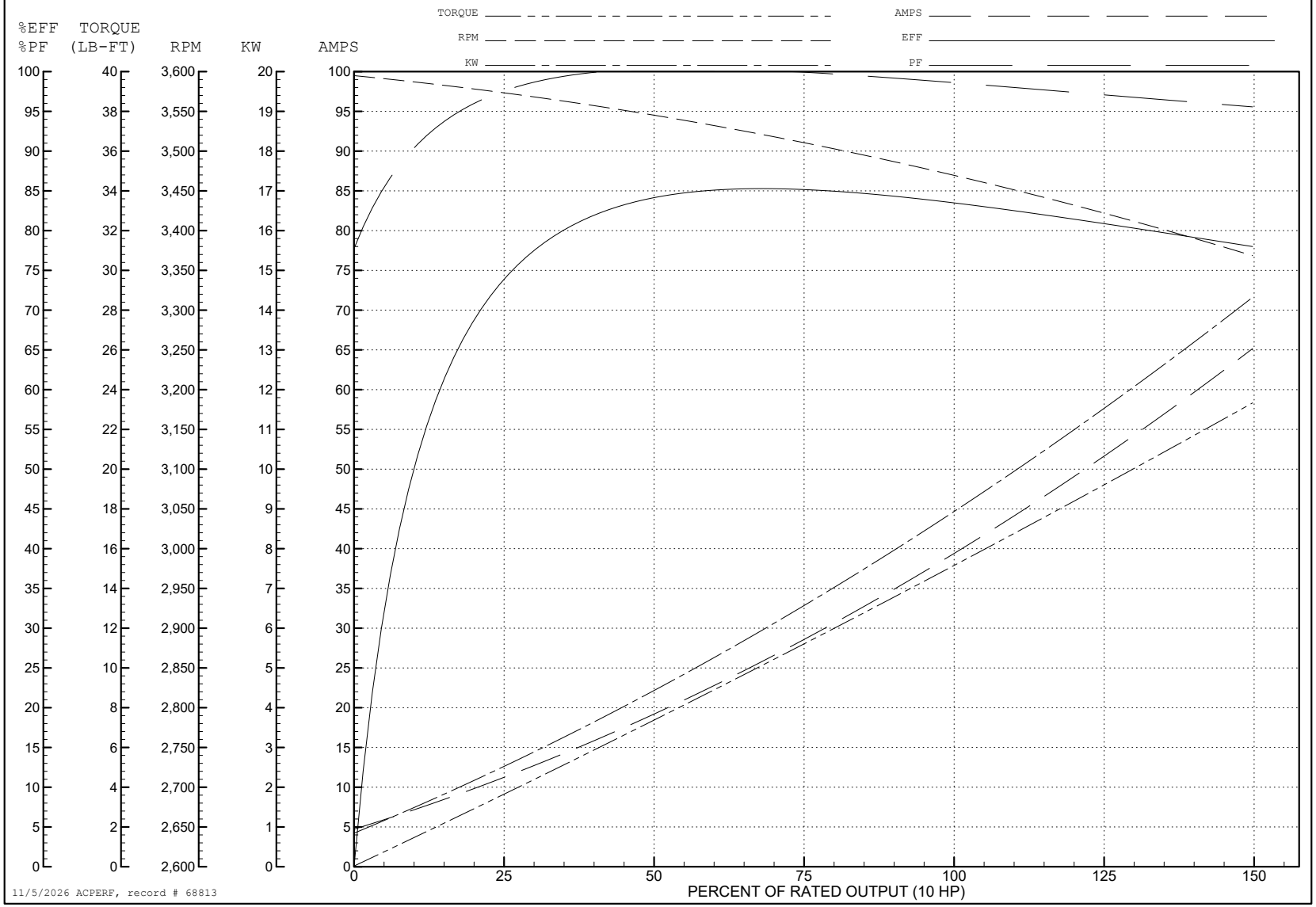
ABB Motors and Mechanical Inc.

WINDING # 37WGW578

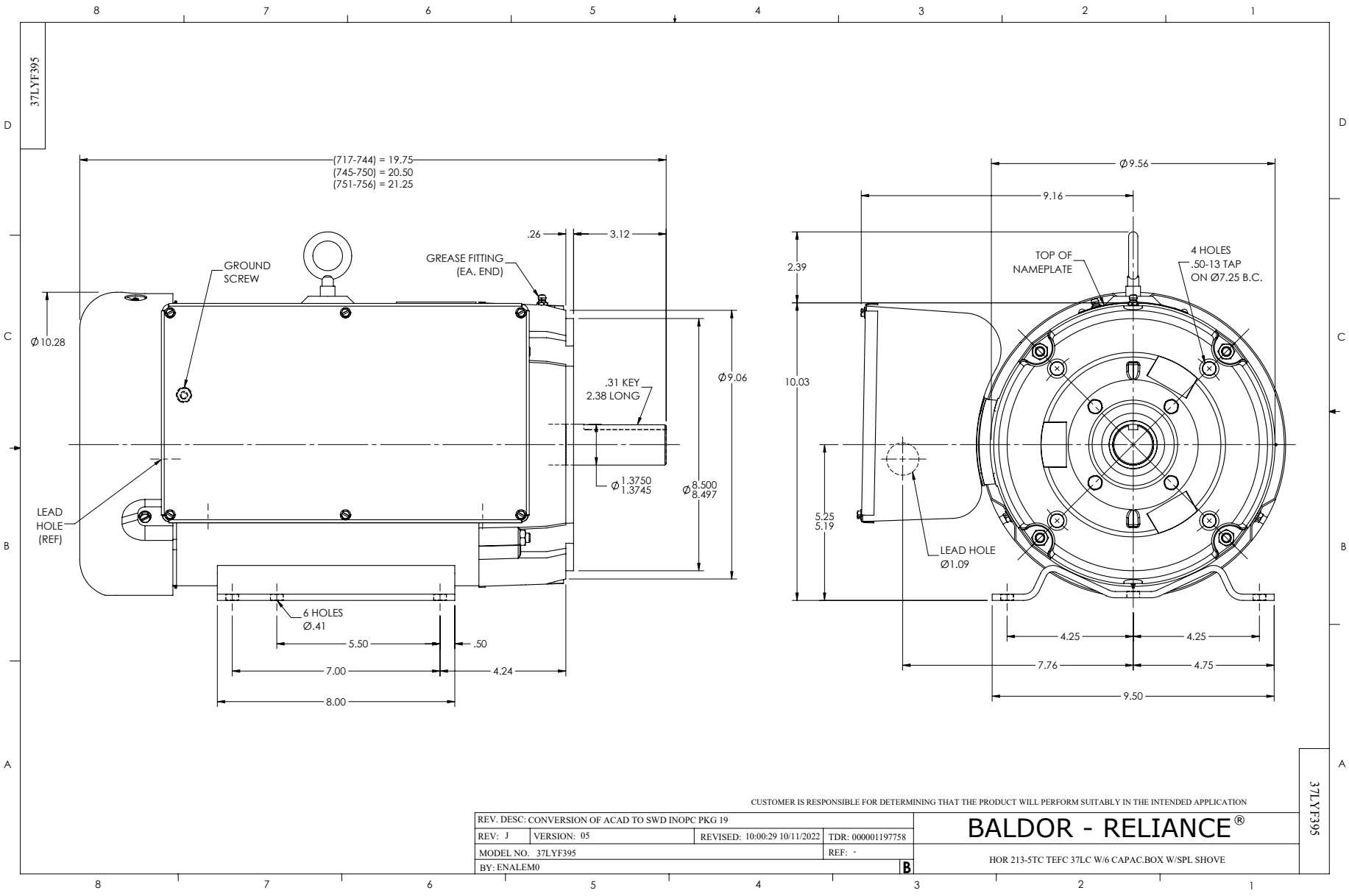
10 HP 1 PH 60 HZ 3450 RPM 230 V 3744LC

Typical performance - not guaranteed values.

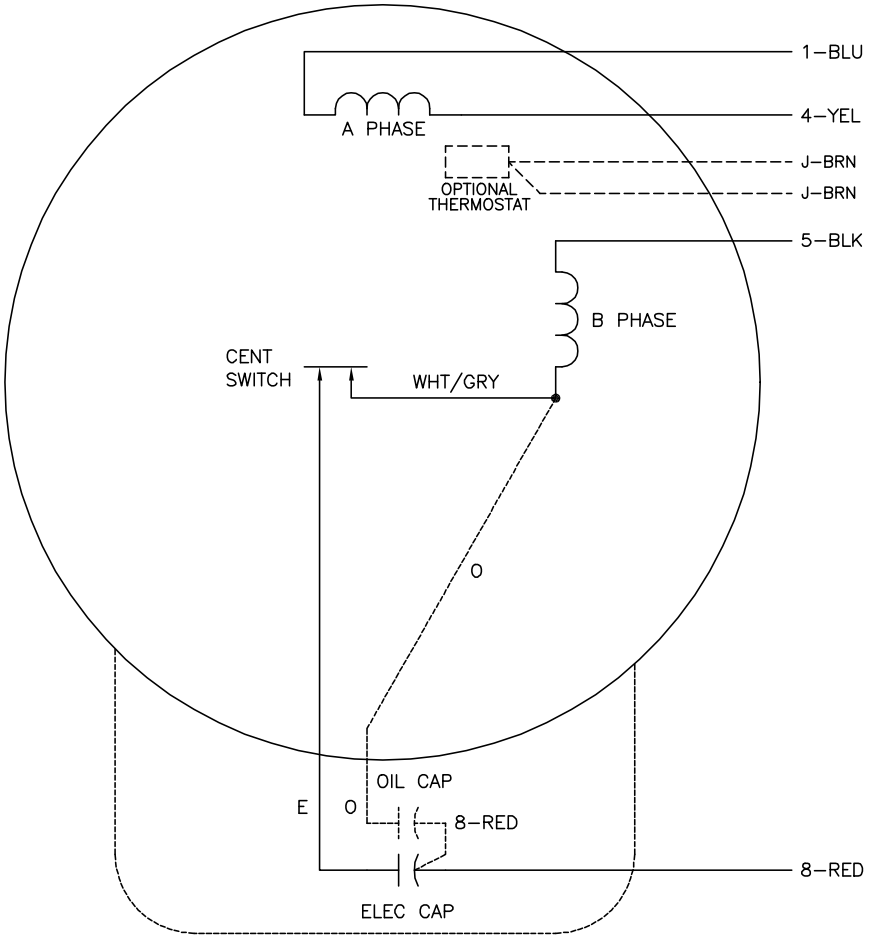
TORQUES(LB-FT): PO=54.9 PU=27.5 LR=41.7 LRA=264



11/5/2026 ACPERF, record # 68813


37LYF395
(717-744) = 19.75
(745-750) = 20.50
(751-756) = 21.25
.26
3.12
GROUND SCREW
GREASE FITTING (EA. END)
Ø10.28
.31 KEY
2.38 LONG
Ø9.06
Ø1.3750
1.3745
Ø8.500
8.497
LEAD HOLE (REF)
6 HOLES Ø.41
5.50
.50
7.00
4.24
8.00
Ø9.56
9.16
2.39
TOP OF NAMEPLATE
4 HOLES .50-13 TAP ON Ø7.25 B.C.
10.03
5.25
5.19
LEAD HOLE Ø1.09
4.25
4.25
7.76
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: J
VERSION: 05
REVISED: 10:00:29 10/11/2022
TDR: 000001197758
MODEL NO. 37LYF395
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5TC TEFC 37LC W/6 CAPAC.BOX W/SPL SHOVE
37LYF395

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