ABB BALDOR RELIANCE

Customer information packet

JML1512T

10HP, 1725RPM, 1PH, 60HZ, 215JM, 3744LC, ODTF
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODTF
Frame	215JM
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	CSA
	UR
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	45.000 A @ 208.0 V
	41.000 A @ 230.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	41.0 a
Insulation Class	F

Part Detail

Revision	AA
Type	AC
Mech. spec.	37F842
Base	
Status	PRD/A
Elec. spec.	37WGY497
Layout	37LYF842
Eff. date	07-19-2024
CD Diagram	CD0086
Poles	04
Leads	2#8 A PH,2#14 B PH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 8 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3744LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	20.95 IN
Power Factor	94
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1725 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.	JML1512T								
SPEC.	37F842Y497								
HP	10								
VOLTS	230								
AMP	41								
RPM	1725								
FRAME	215JM	**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	F	**DES**	L	**CLASS**	F		
NEMA-NOM-EFF	84	**PF**	94						
RATING	40C AMB-CONT								
CC									
DE	6309	**ODE**	6206						
ENCL	ODTF	**SN**							

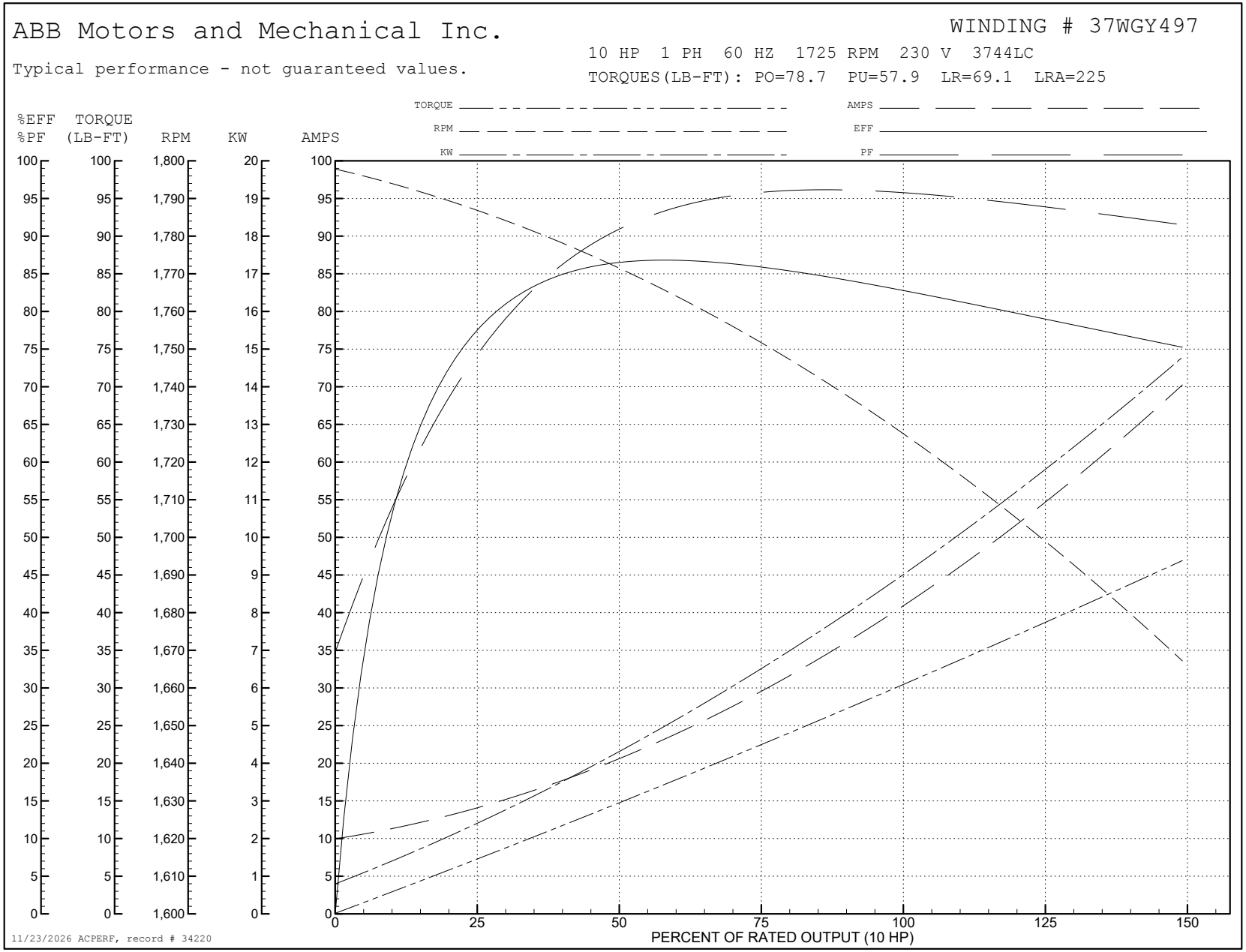
AC Induction Motor Performance Data
Record # 34220
Typical performance - not guaranteed values

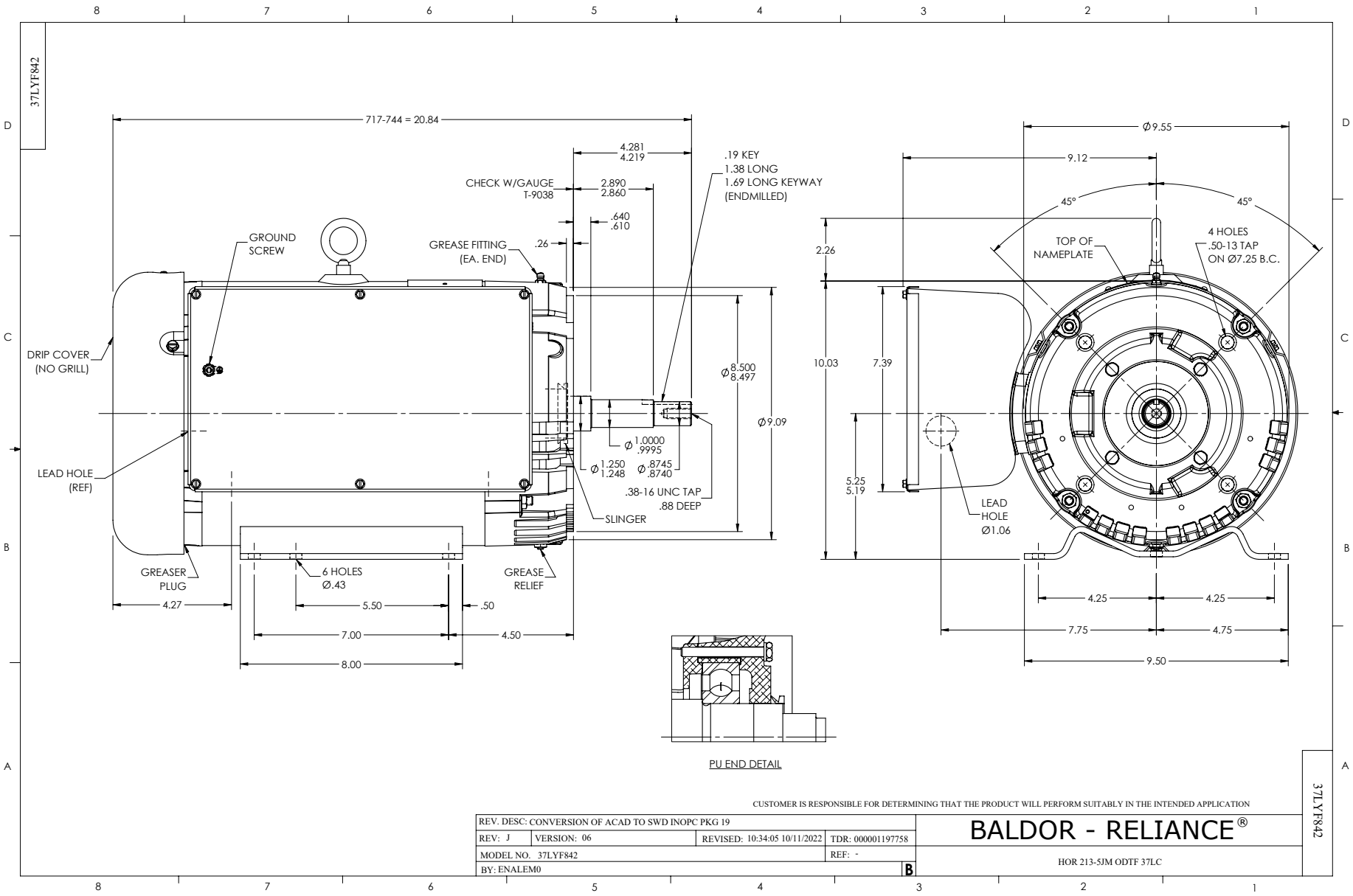
Winding: 37WGY497-R001	**Type:** 3744LC	**Enclosure:** ODTF

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	30.3 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			41	**Breakdown Torque**	78.7 LB-FT
R.P.M.			1725	**Pull-up Torque**	57.9 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	69.1 LB-FT
NEMA Design Code	L	**KVA Code**	F	**Starting Current**	225 A
Service Factor (S.F.)			1.15	**No-load Current**	10.2 A
NEMA Nom. Eff.	84	**Power Factor**	94	**Line-line Res. @ 25ºC**	0.18838 Ω A Ph 0.70995 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	87°C
S.F. Amps				**Temp. Rise @ S.F. Load**	119°C

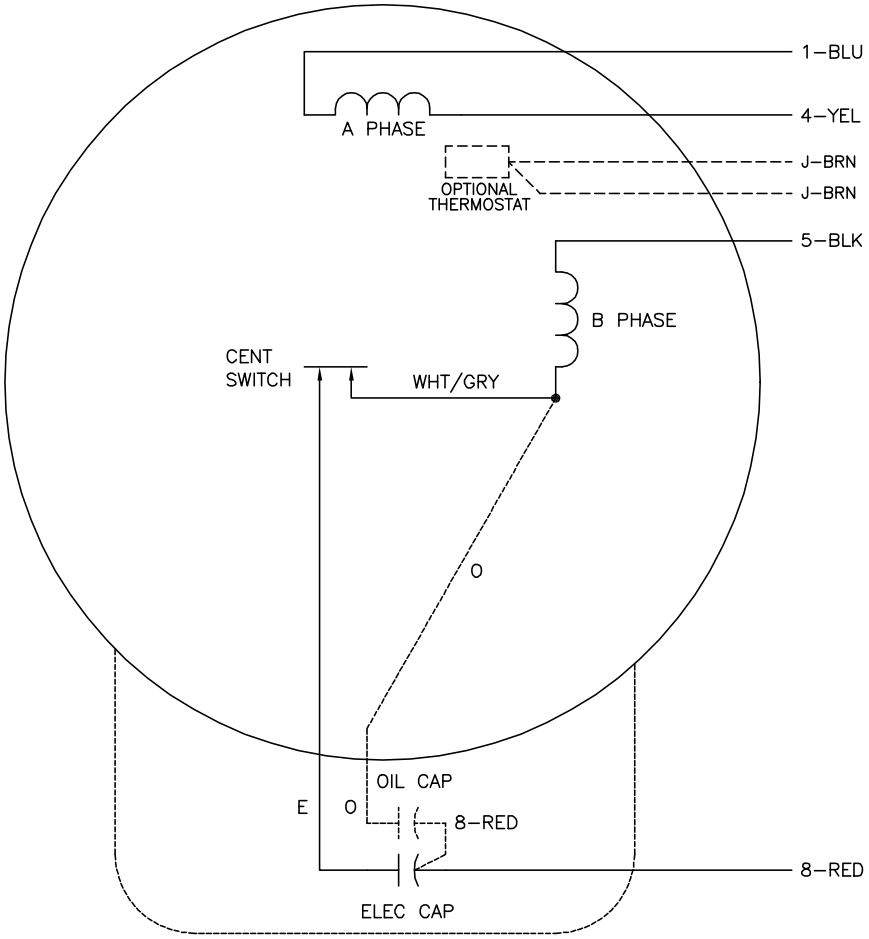
Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	80	92	95	95	94	92	94
Efficiency	75.1	84.6	85.8	83.9	79.7	74.8	81.4
Speed	1785.6	1770.4	1753.1	1728.9	1700	1666.3	1712
Line amperes	13.5	20.6	29.7	40.8	53.9	70.5	48.7


ABB Motors and Mechanical Inc.
WINDING # 37WGY497
10 HP 1 PH 60 HZ 1725 RPM 230 V 3744LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=78.7 PU=57.9 LR=69.1 LRA=225
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
11/23/2026 ACPERF, record # 34220


37LYF842
717-744 = 20.84
4.281
4.219
.19 KEY
1.38 LONG
1.69 LONG KEYWAY
(ENDMILLED)
CHECK W/GAUGE
T-9038
2.890
2.860
.640
.610
.26
GROUND
SCREW
GREASE FITTING
(EA. END)
DRIP COVER
(NO GRILL)
LEAD HOLE
(REF)
Ø8.500
8.497
Ø9.09
Ø 1.0000
.9995
Ø 1.250
1.248
Ø .8745
.8740
.38-16 UNC TAP
.88 DEEP
SLINGER
GREASER
PLUG
6 HOLES
Ø.43
GREASE
RELIEF
4.27
5.50
.50
7.00
4.50
8.00
Ø9.55
9.12
45°
45°
TOP OF
NAMEPLATE
4 HOLES
.50-13 TAP
ON Ø7.25 B.C.
2.26
10.03
7.39
5.25
5.19
LEAD
HOLE
Ø1.06
4.25
4.25
7.75
4.75
9.50
PU END DETAIL
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: 06
REVISED: 10:34:05 10/11/2022
TDR: 000001197758
MODEL NO. 37LYF842
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5JM ODTF 37LC
37LYF842

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