

BALDOR® • RELIANCE

Product Information Packet

JML1512T

10HP,1725RPM,1PH,60HZ,215JM,3744LC,ODTF

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3744LC	Elec. Spec:	37WGY497	CD Diagram:	CD0086
Enclosure:	ODTF	Mfg Plant:		Mech. Spec:	37F842	Layout:	37LYF842
Frame:	215JM	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-22-2014
Leads:	2#8 A PH,2#14 B PH					Replaced By:	
Literature:		Elec. Diagram:					

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		USABLE AT 208V			45					
DE	6309	ODE			6206					
ENCL	ODTF	SN								

Parts List		
Part Number	Description	Quantity
SA088196	SA 37F842Y497	1.000 EA
RA081124	RA 37F842Y497	1.000 EA
OC3040F09SP	CYL OIL CAP 40MFD/370V	2.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	3.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	2.000 EA
37EP3200A13	SPECIAL FR. E.P. 37 L&M FRAME OPEN W/DRI	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA1104A01	RODENT SCREEN 37 FRAME 206 BRG FRONT END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
37CB3804A01	SPL CAPAC. BOX 37 MOTORS FOR 6-7 CAPAC.	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
37CB4509	CAPAC BOX LID, STAMPED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	6.000 EA
HA6003A47	CAPAC CLAMP	1.000 EA
HA6003A45	CAPAC CLAMP - CLIP (WHITE ZINC PLATED)	2.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 EA
52XF1032G06	10-32X3/8 HX STD SER TYF	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A10	WASHER, #10 SPLT LK, ZN X	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3401A18	PUEP OPEN 309 BRG W/BAFFLE, GRS, REL, MF	1.000 EA
HA1222	RODENT SCREEN - 37 C-FACE MOTORS	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
37AD2000A02	BAFFLE PLATE, STAMPED PLATED	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
37FH4000A05SP	DRIP COVER, W/ AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
HW4600A73	SEAL 1.748 X 2.375 X 0.250 FACE SEALING	1.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
SP5064A35	MODEL 37 TYPE L,LC STAT SWITCH LEAD ASSE	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0086	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 34220 - Typical performance - not guaranteed values

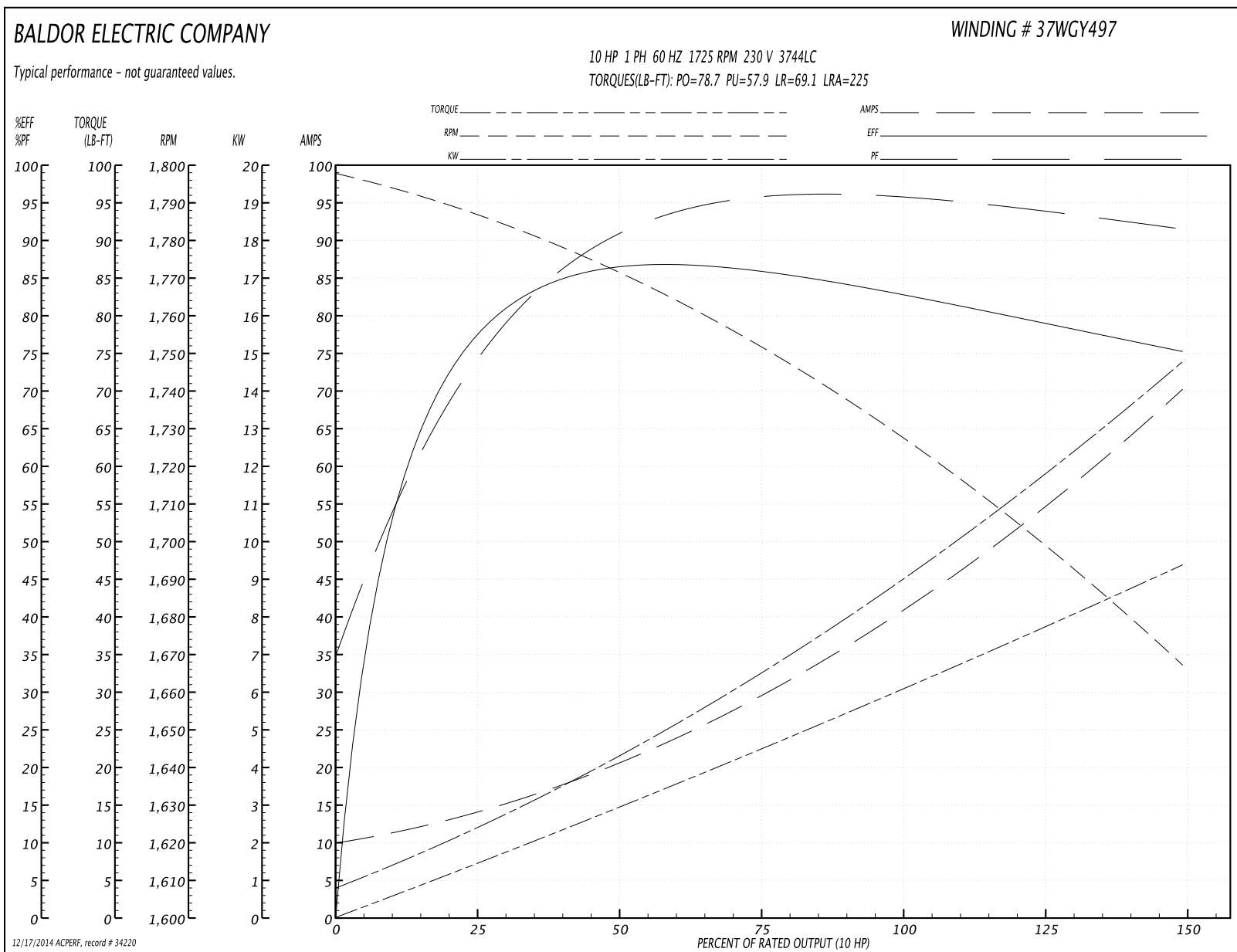
Winding: 37WGY497-R001	Type: 3744LC	Enclosure: ODTF
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	30.3 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	41			Breakdown Torque	78.7 LB-FT
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. @ 25°C	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

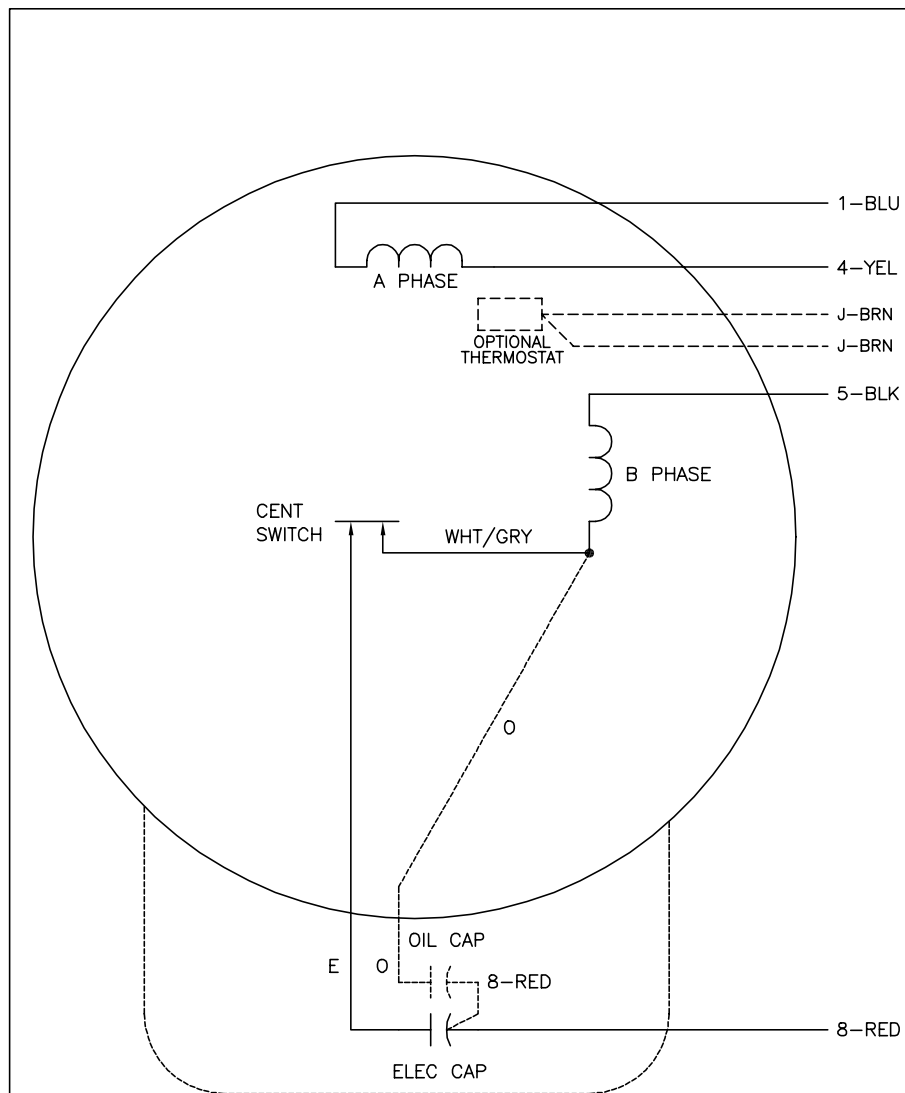
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	80	92	95	95	94	92	94
Efficiency	75.1	84.6	85.8	83.9	79.7	74.8	81.4
Speed	1785.6	1770.4	1753.1	1728.9	1700	1666.3	1712
Line amperes	13.5	20.6	29.7	40.8	53.9	70.5	48.7

Performance Graph at 230V, 60Hz, 10.0HP Typical performance - Not guaranteed values





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

REV. LTR: F

BY: JD

REVISED: 16:01:12 01/07/2002

TDR: 259409

980000

FILE: AAA00026904

REF: CD0086

MTL: -

BALDOR ELECTRIC Co.

TYPE L OR LC, SV, REV, 4 LEADS, CAPS MAY BE SEP MTD

CD0086