BALDOR • RELIANCE

Product Information Packet

FDL3611TM

2HP,1725RPM,1PH,60HZ,182T,3634L,TEFC,F1

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Part Detail

Revision:	J	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	36WG3444	**CD Diagram:**	CD0008	**Mfg Plant:**	
Mech. Spec:	36Q168	**Layout:**	36LYQ168	**Poles:**	04	**Created Date:**	12-12-2013
Base:	RG	**Eff. Date:**	09-24-2018	**Leads:**	4#14 A&J,2#16 B PH,1#10 #4TH		

Specs

Catalog Number:	FDL3611TM	**Inverter Code:**	Not Inverter
Enclosure:	TEFC	**KVA Code:**	J
Frame:	182T	**Lifting Lugs:**	No Lifting Lugs
Frame Material:	Steel	**Locked Bearing Indicator:**	No Locked Bearing
Output @ Frequency:	2.000 HP @ 60 HZ	**Motor Lead Quantity/Wire Size:**	4 @ 14 AWG, A&J
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Exit:**	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	230.0 V @ 60 HZ	**Motor Type:**	3634L
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	67
Agency Approvals:	UR	**Product Family:**	General Purpose
	CSA	**Product Type:**	FARM DUTY
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Sealed Bearing
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	Standard
Base Indicator:	Rigid	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**Shaft Extension Location:**	Pulley End
Current @ Voltage:	14.000 A @ 230.0 V	**Shaft Ground Indicator:**	No Shaft Grounding

	28.000 A @ 115.0 V
Design Code:	L
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None
Heater Indicator:	No Heater
Insulation Class:	F

Shaft Rotation:	Reversible
Shaft Slinger Indicator:	Shaft Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	Manual Thermal Overload
Winding Thermal 1 Location:	KO
Winding Thermal 2:	None

Nameplate NP1280L

CAT.NO.	FDL3611TM						
SPEC.	36Q168-3444G1						
HP	2						
VOLTS	115/230						
AMP	28/14						
RPM	1725						
FRAME	182T	**HZ**	60			**PH**	1
SER.F.	1.00	**CODE**	J	**DES**	L	**CL**	F
NEMA-NOM-EFF	75	**PF**	67				
RATING	40C AMB-CONT						
CC						**USABLE AT 208V**	
DE	6206	**ODE**	6205				
ENCL	TEFC	**SN**					

Parts List

Part Number	Description	Quantity
SA274232	SA 36Q168-3444G1	1.000 EA
RA260819	RA 36Q168-3444G1	1.000 EA
TPCRT31CASP	THERMAL 1PH 1.00 MAN 105C X	1.000 EA
EC1850A06SP	ELEC CAP 115V 2.0 X 4.3 X	2.000 EA
36CB3004A36	36 CB 1.09 @ 6, 1.00 MTO W/BOOT @ 3	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
HA6015A11	EARED 1" THERMAL RETAINER (PLATED)	1.000 EA
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
NS2500A02	INSULATOR, MAN THER PROT	1.000 EA
36EP3104A02	FREP MACH W/O GRSR, RAISED FH PADS	1.000 EA
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
36CB3800SP	CAPACITOR COVER, CAST	1.000 EA
36GS3000	GASKET, CAPACITOR COVER LEXIDE	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A45	SPL PU ENDPLATE FOR SEAL, NO GREASER	1.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA

Parts List (continued)

Part Number	Description	Quantity
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A101	IEC FH NO GREASER, W/PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID - GALVANNEAL	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
MG1025C02	WILKOFAST SG, 787.105, TAN	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
SP5172A01	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA

36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PE-0000002	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories

Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 61428 - Typical performance - not guaranteed values

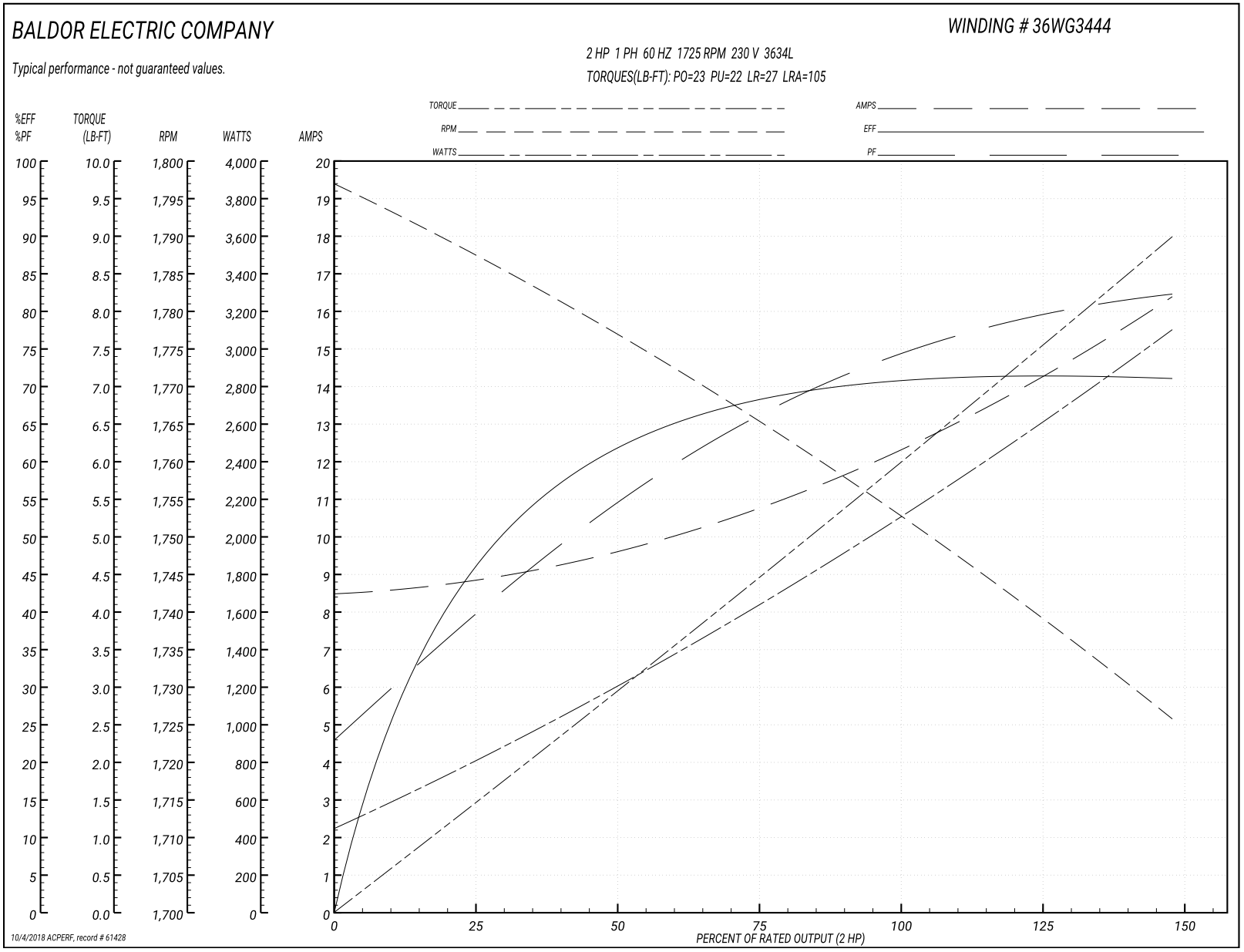
Winding: 36WG3444-R003	**Type:** 3634L	**Enclosure:** TEFC

Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	28/14			Breakdown Torque	23 LB-FT
R.P.M.	1725			Pull-up Torque	22 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	27 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	105 A
Service Factor (S.F.)	1			No-load Current	8.5 A
NEMA Nom. Eff.	75	Power Factor	67	Line-line Res. @ 25ºC	0.732 Ω A Ph 0.396 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	86°C

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	43	57	68	76	81	84
Efficiency	47	62	68	71	71.5	71
Speed	1786	1776	1765	1754	1740	1725
Line amperes	8.8	9.7	10.8	12.3	14.2	16.4

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values



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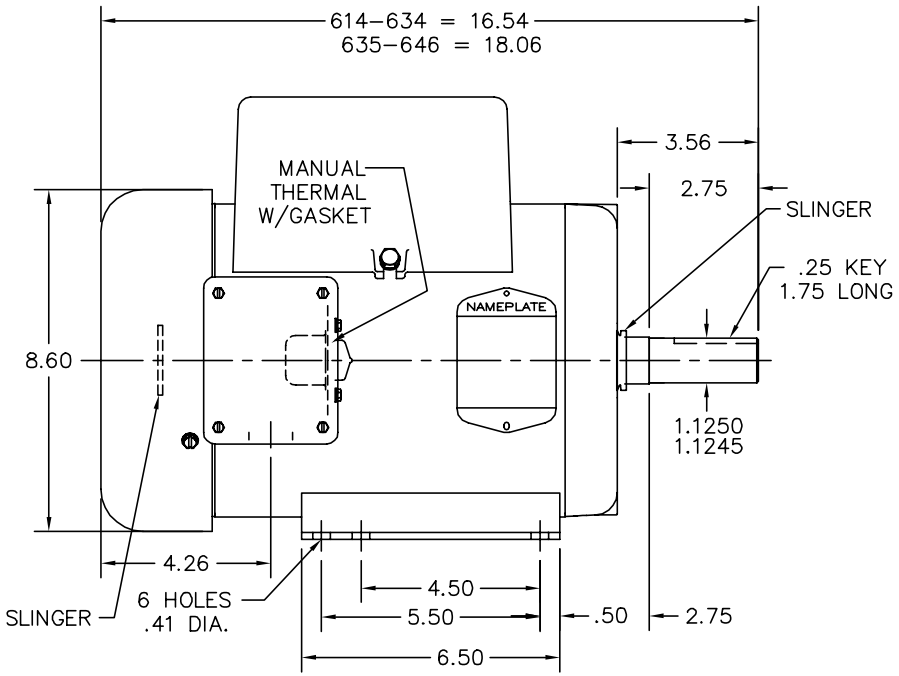
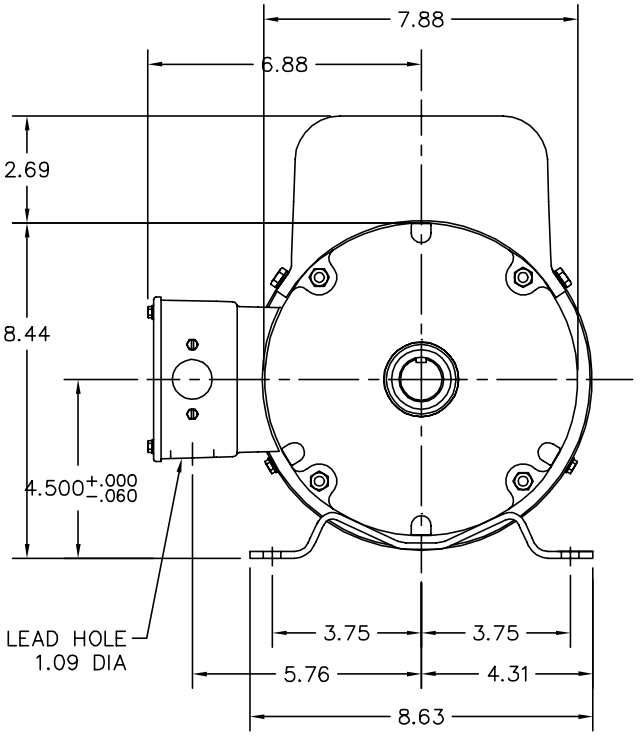
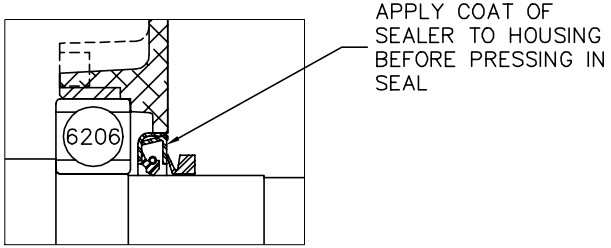




FARM DUTY



PULLEY END DETAIL

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: KOBX TO 6CB3004A36, KOLD TO 36CB4516		
REV. LTR: B	VERSION: 02	TDR: 000001085830
FILE: \AAA\00205\531	REVISED: 09:57:48 09/24/2018	BY: ENWINBO
MTL: –		

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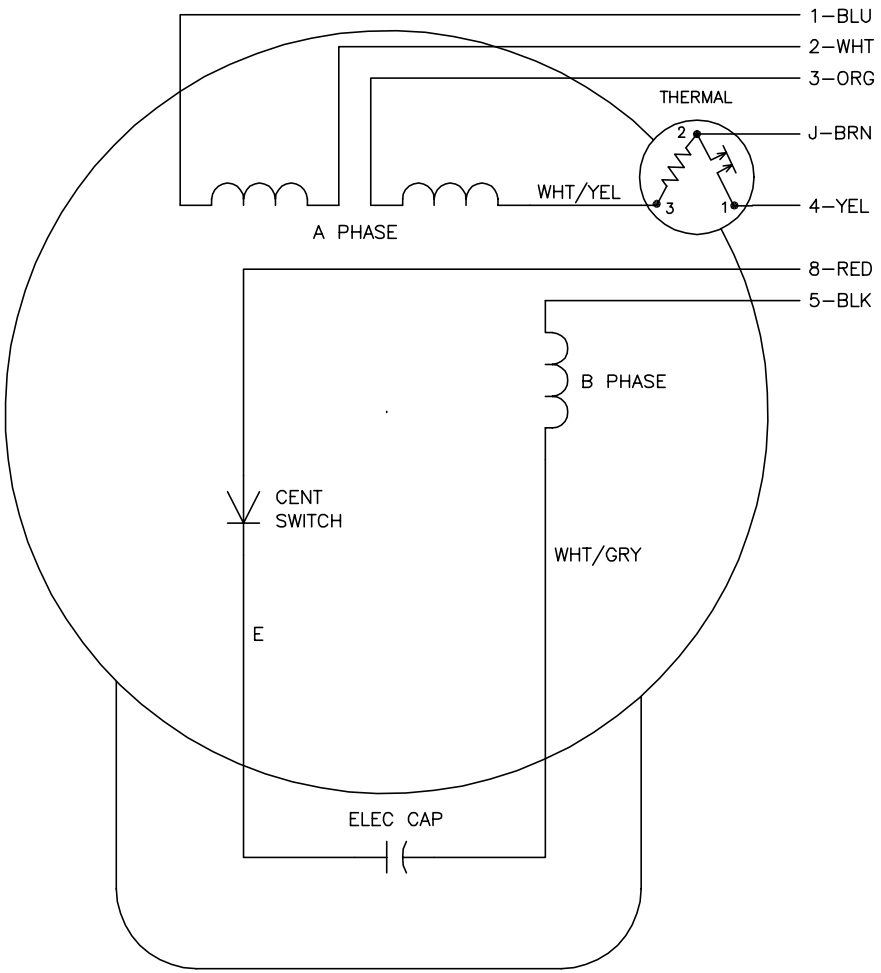
HOR TEFC L–LC NEMA 182T–184T, 1.00 MTO IN KOBX, SEAL PU END

SH 1 of 1

36LYQ168

CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	–	2,J,5
LOW OPP	1,3,5	4	–	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0008A02			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 01	TDR: 000000360649	
CD0008	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005	TYPE L, DV, REV, THERMAL, 7 LEADS
	MTL: –	BY: ENJOEPO	

CD0008