BALDOR • RELIANCE

Customer information packet

RL1324A

.75HP, 1725RPM, 1PH, 60HZ, 56, 3424L, OPEN, F1
Class - None
Division - Not Applicable

7/23/2024 10:48:58 AM

Specifications

Enclosure	OPEN
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	10.800 A @ 115.0 V
	5.400 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	71.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.4 a

Part detail

Revision	AS
Type	AC
Mech. spec.	34K018
Base	
Status	PRD/A
Elec. spec.	34WGW168
Layout	34LYK018
Eff. date	09-18-2023
CD Diagram	CD0052
Poles	04
Leads	6#18,1#14 #1TH
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3424L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.47 IN
Power Factor	71
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	No 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	Automatic Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L								
CAT.NO.	RL1324A							
SPEC.	34K18W168							
HP	.75							
VOLTS	115/230							
AMP	10.8/5.4							
RPM	1725							
FRAME	56		**HZ**	60		**PH**	1	
SER.F.	1.00	**CODE**	G	**DES**	N	**CL**	B	
NEMA-NOM-EFF	71	**PF**	71					
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	OPEN	**SN**						

AC Induction Motor Performance Data
Record # 6903
Typical performance - not guaranteed values

Winding: 34WGW168-R001	**Type:** 3424L	**Enclosure:** OPEN

Nameplate Data			**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		.75	**Full Load Torque**	2.26 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		10/5	**Breakdown Torque**	4.7 LB-FT
R.P.M.		1725	**Pull-up Torque**	3 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	3.8 LB-FT
NEMA Design Code	N **KVA Code**	G	**Starting Current**	19.5 A
Service Factor (S.F.)		1	**No-load Current**	3.9 A
NEMA Nom. Eff.	71 **Power Factor**	71	**Line-line Res. @ 25ºC**	2.99 Ω A Ph 1.58 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	78°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	37	51	64	74	79	83
Efficiency	45.1	57.2	62.1	63.3	62.7	59.9
Speed	1778	1764	1745	1724	1701	1669
Line amperes	4	4.3	4.6	5.2	6	6.9

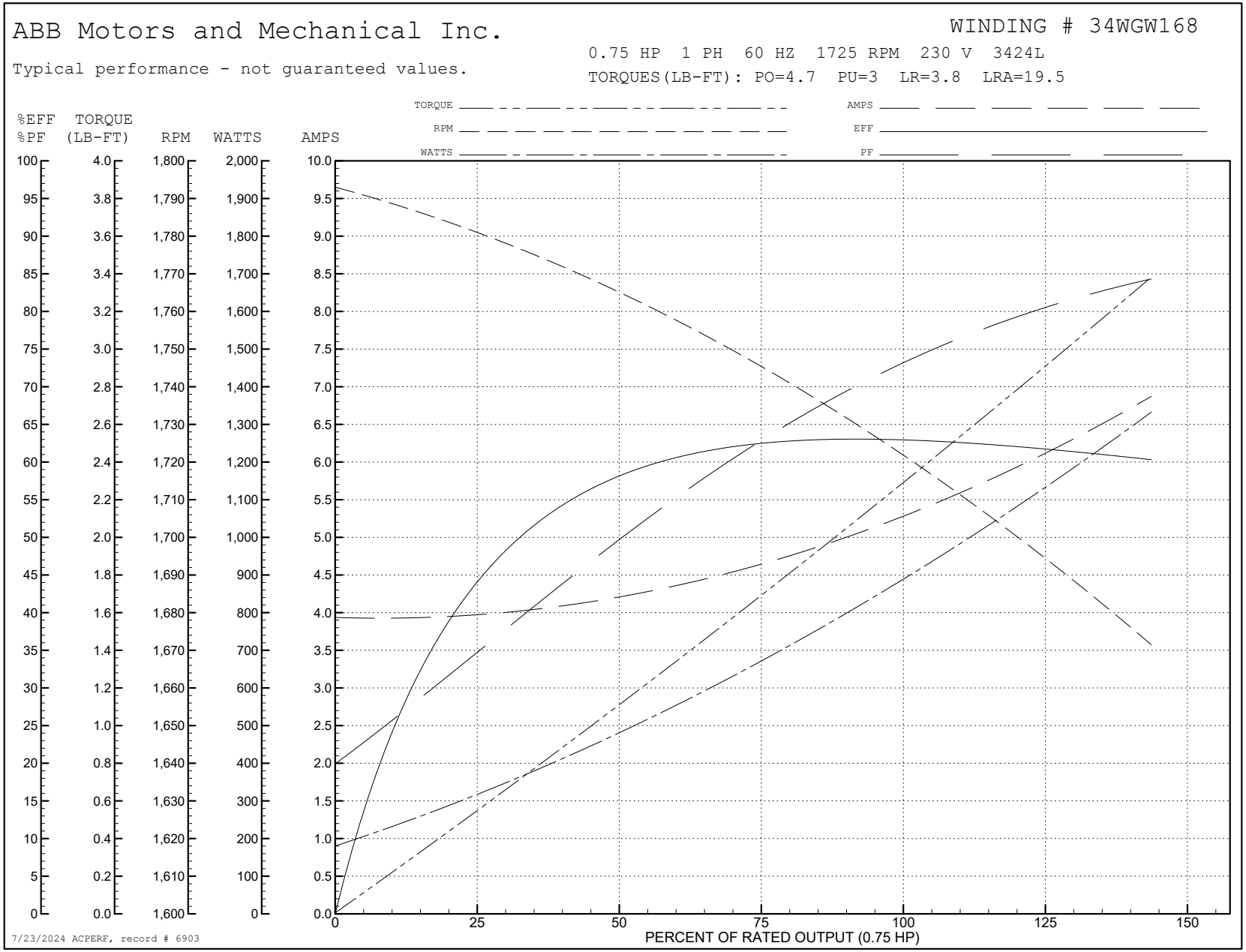
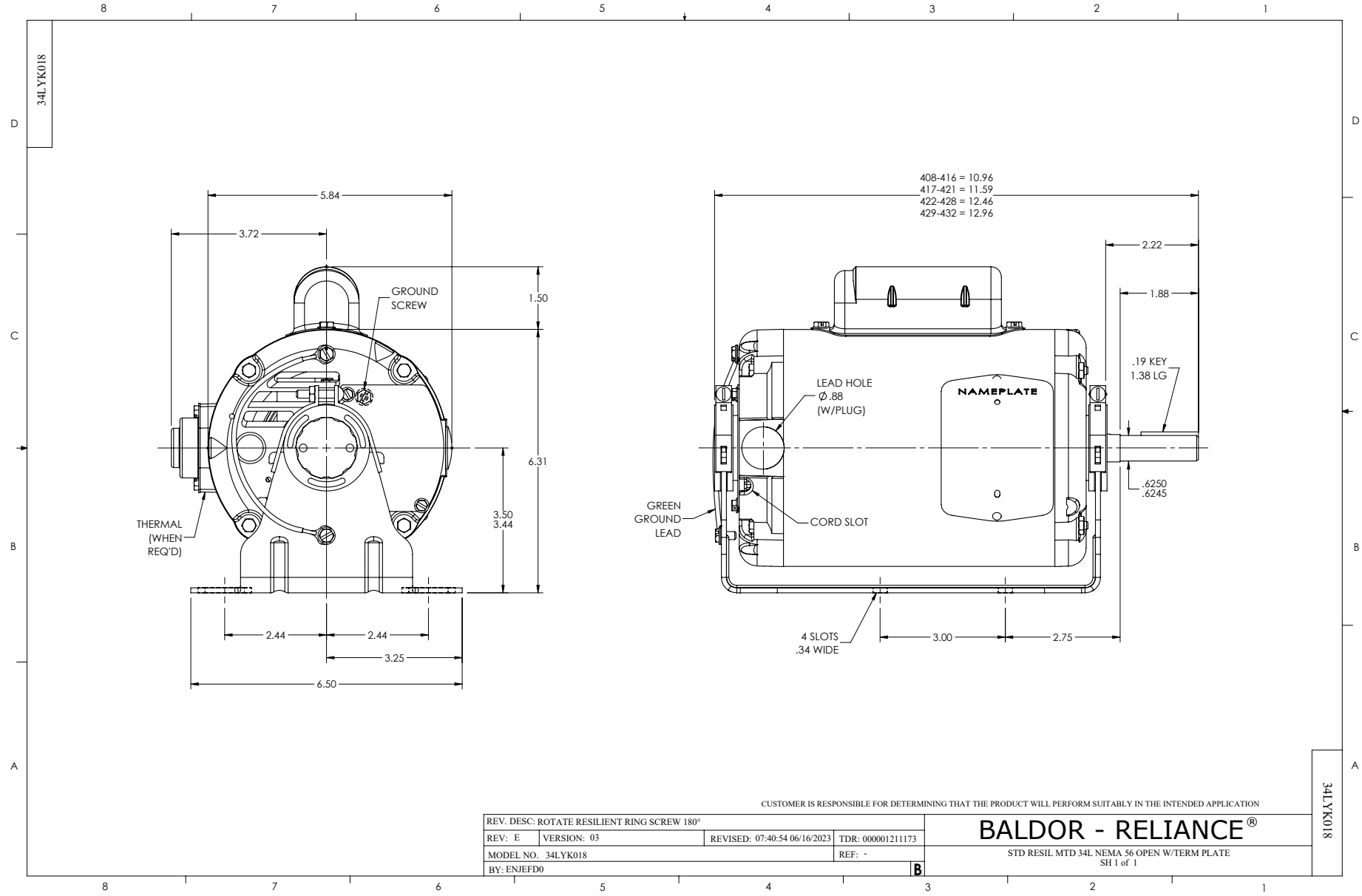
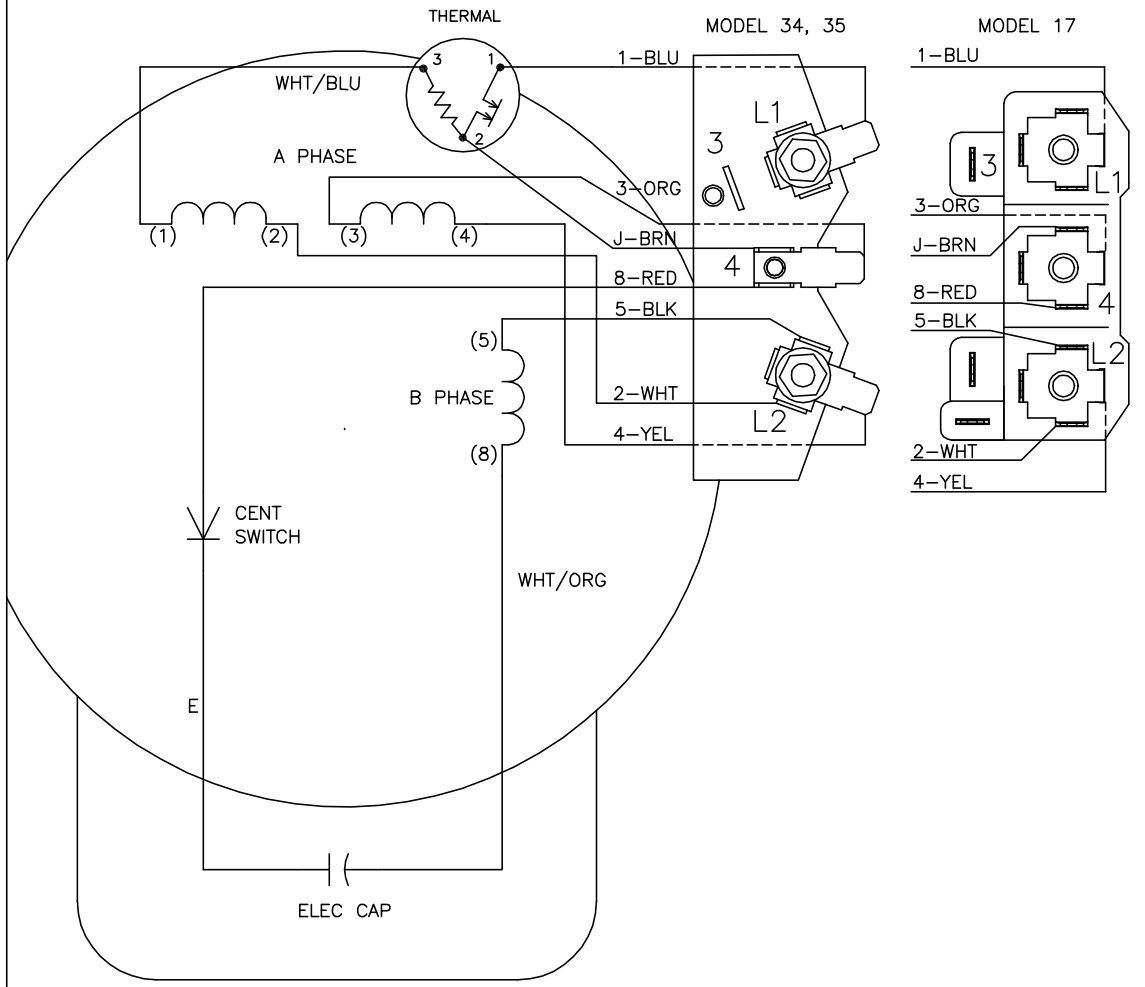


ABB Motors and Mechanical Inc.
WINDING # 34WGW168
Typical performance - not guaranteed values.
0.75 HP 1 PH 60 HZ 1725 RPM 230 V 3424L
TORQUES(LB-FT): PO=4.7 PU=3 LR=3.8 LRA=19.5
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
7/23/2024 ACPERF, record # 6903


34LYK018
5.84
3.72
GROUND SCREW
1.50
6.31
3.50
3.44
THERMAL (WHEN REQ'D)
2.44
2.44
3.25
6.50
408-416 = 10.96
417-421 = 11.59
422-428 = 12.46
429-432 = 12.96
2.22
1.88
.19 KEY
1.38 LG
LEAD HOLE
Ø .88
(W/PLUG)
NAMEPLATE
.6250
.6245
GREEN GROUND LEAD
CORD SLOT
4 SLOTS
.34 WIDE
3.00
2.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ROTATE RESILIENT RING SCREW 180°
REV: E
VERSION: 03
REVISED: 07:40:54 06/16/2023
TDR: 000001211173
MODEL NO. 34LYK018
REF: -
BY: ENJEFD0
B
BALDOR - RELIANCE®
STD RESIL MTD 34L NEMA 56 OPEN W/TERM PLATE
SH 1 of 1
34LYK018

CD0052



NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
   LOW VOLTAGE: CONNECT AS SHOWN.
   HIGH VOLTAGE: MOVE LEAD J TO TERM. 3.
   MOVE LEAD 2 TO TERM. 4.
2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0052

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: H	VERSION: 01	TDR: 000000373039	
CD0052	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005	TYPE L, DV, REV, THERMAL, TERMINAL PLATE
	MTL: –	BY: ENJOEP0	