ABB BALDOR RELIANCE

# Customer information packet

## L3711T

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

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/15/2026 9:43:30 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 215T |
| **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** | 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 |
| **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 |
| **Inverter Code** | Not Inverter |
| **KVA Code** | H |

## Part Detail

| | |
|---|---|
| **Revision** | L |
| **Type** | AC |
| **Mech. spec.** | 37M230 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 37WGW578 |
| **Layout** | 37LYM230 |
| **Eff. date** | 05-13-2024 |
| **CD Diagram** | CD0086 |
| **Poles** | 02 |
| **Leads** | 2#10 A PH,2#14 B PH |
| **Proprietary** | False |
| **Created date** | 02-09-2010 |

| | |
|---|---|
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | No 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** | 19.02 IN |
| **Power Factor** | 98 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **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.** | L3711T | | | | | | | |
| **SPEC.** | 37M230W578 | | | | | | | |
| **HP** | 10 | | | | | | | |
| **VOLTS** | 230 | | | | | | | |
| **AMP** | 40 | | | | | | | |
| **RPM** | 3450 | | | | | | | |
| **FRAME** | 215T | **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** | | | | | | |

**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| 37-3301 | C FACE KIT | P1 |

**AC Induction Motor Performance Data**
Record # 11882
Typical performance - not guaranteed values

| **Winding:** 37WGW578-R001 | **Type:** 3744LC | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **230 V, 60 Hz: Single Voltage Motor** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 10 | **Full Load Torque** | 15 LB-FT |
| **Volts** | | | 230 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 40 | **Breakdown Torque** | 44 LB-FT |
| **R.P.M.** | | | 3450 | **Pull-up Torque** | 33 LB-FT |
| **Hz** | 60 | **Phase** | 1 | **Locked-rotor Torque** | 42 LB-FT |
| **NEMA Design Code** | L | **KVA Code** | H | **Starting Current** | 284 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 4.3 A |
| **NEMA Nom. Eff.** | 82 | **Power Factor** | 98 | **Line-line Res. @ 25ºC** | 0.174 Ω A Ph<br>0.681 Ω B Ph |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 102°C |

**Load Characteristics 230 V, 60 Hz, 10 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 99 | 99 | 99 | 99 | 98 | 97 |
| **Efficiency** | 66.6 | 78.9 | 82.9 | 83.9 | 83.4 | 81.8 |
| **Speed** | 3573 | 3551 | 3527 | 3500 | 3469 | 3431 |
| **Line amperes** | 12.2 | 20.6 | 29.5 | 39 | 49.4 | 61.1 |

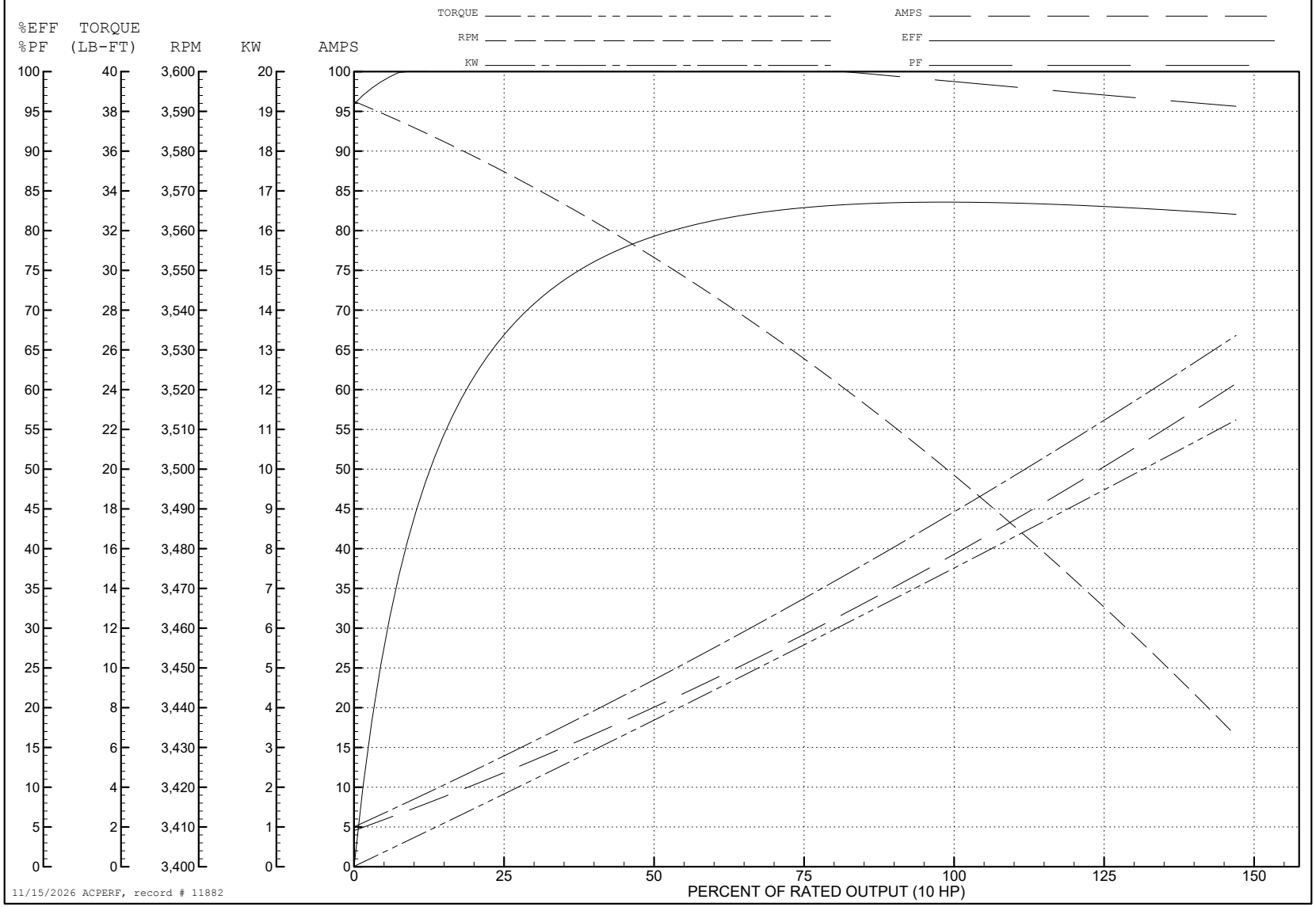
ABB Motors and Mechanical Inc.

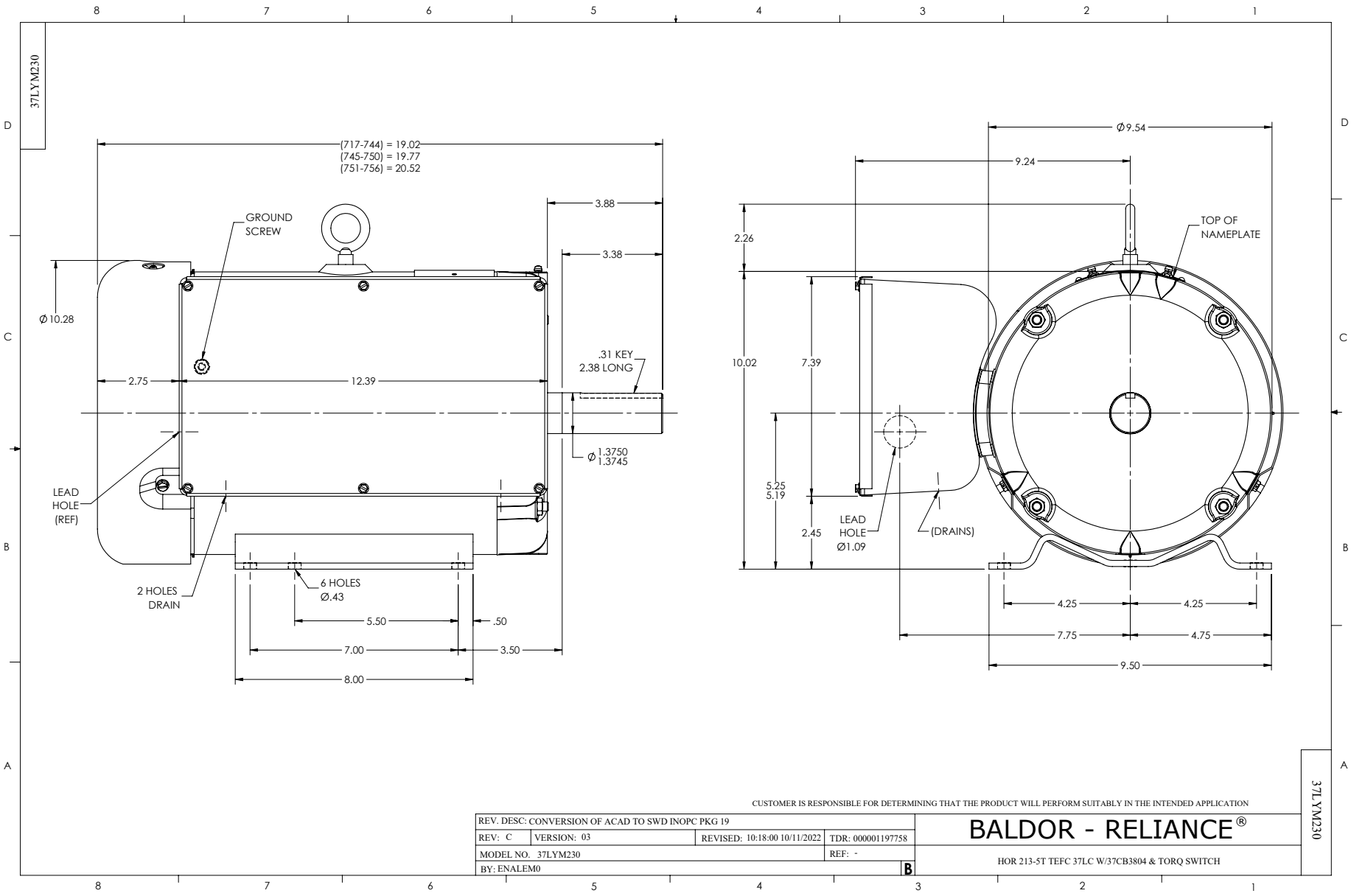
WINDING # 37WGW578

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

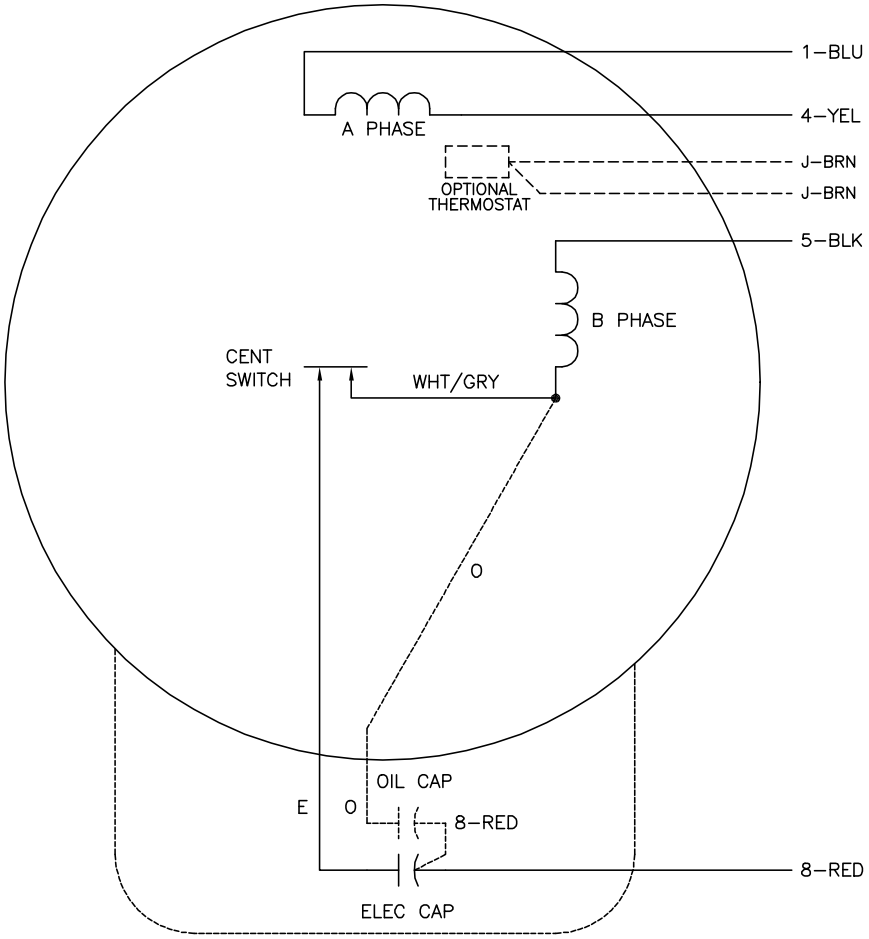
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=44 PU=33 LR=42 LRA=284




37LYM230
(717-744) = 19.02
(745-750) = 19.77
(751-756) = 20.52
GROUND SCREW
3.88
3.38
Ø 10.28
.31 KEY
2.38 LONG
2.75
12.39
Ø 1.3750
1.3745
LEAD HOLE (REF)
2 HOLES DRAIN
6 HOLES Ø.43
5.50
.50
7.00
3.50
8.00
Ø 9.54
9.24
TOP OF NAMEPLATE
2.26
10.02
7.39
5.25
5.19
2.45
LEAD HOLE Ø1.09
(DRAINS)
4.25
4.25
7.75
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: C
VERSION: 03
REVISED: 10:18:00 10/11/2022
TDR: 000001197758
MODEL NO. 37LYM230
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5T TEFC 37LC W/37CB3804 & TORQ SWITCH
37LYM230

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