ABB BALDOR RELIANCE

# Customer information packet

## M3601

.75HP, 1140RPM, 3PH, 60HZ, 182, 3515M, TEFC, F1
Class - None
Division - Not Applicable


8/24/2026 12:30:08 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 182 |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | .750 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| | 208.0 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** | 3.300 A @ 208.0 V |
| | 3.000 A @ 230.0 V |
| | 1.500 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 72.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |
| **Front Shaft Indicator** | None |

## Part Detail

| | |
|---|---|
| **Revision** | R |
| **Type** | AC |
| **Mech. spec.** | 35L108 |
| **Base** | |
| **Status** | NLA/A |
| **Elec. spec.** | 35WGM097 |
| **Layout** | 35LYL108 |
| **Eff. date** | 01-02-2025 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 10-14-2008 |

| | |
|---|---|
| **Heater Indicator** | Heater Included, 120 V |
| **High Voltage Full Load Amps** | 1.5 a |
| **Insulation Class** | F |
| **Inverter Code** | Not Inverter |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3514M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 13.76 IN |
| **Power Factor** | 64 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **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** | No Slinger |
| **Speed** | 1140 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.** | | | | | | | | |
| **SPEC.** | 35L108M097 | | | | | | | |
| **HP** | .75 | | | | | | | |
| **VOLTS** | 208-230/460 | | | | | | | |
| **AMP** | 3.3-3/1.5 | | | | | | | |
| **RPM** | 1140 | | | | | | | |
| **FRAME** | 182 | **HZ** | 60 | | | **PH** | 3 | |
| **SER.F.** | 1.15 | **CODE** | K | **DES** | B | **CLASS** | F | |
| **NEMA-NOM-EFF** | 72 | **PF** | 64 | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | |
| **CC** | | | | | | | | |
| **DE** | 6206 | **ODE** | 6203 | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | |

**AC Induction Motor Performance Data**
Record # 28969
Typical performance - not guaranteed values

| **Winding:** 35WGM097-R001 | **Type:** 3514M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|
| **Rated Output (HP)** | | .75 | **Full Load Torque** | 3.43 LB-FT |
| **Volts** | | 208-230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | 3.3-3.00/1.50 | **Breakdown Torque** | 10.1 LB-FT |
| **R.P.M.** | | 1140 | **Pull-up Torque** | 7.47 LB-FT |
| **Hz** | 60 **Phase** | 3 | **Locked-rotor Torque** | 8.29 LB-FT |
| **NEMA Design Code** | B **KVA Code** | K | **Starting Current** | 7.65 A |
| **Service Factor (S.F.)** | | 1.15 | **No-load Current** | 1.26 A |
| **NEMA Nom. Eff.** | 72 **Power Factor** | 64 | **Line-line Res. @ 25ºC** | 28.8 Ω |
| **Rating - Duty** | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 76°C |
| **S.F. Amps** | | 3.5-3.22/1.61 | **Temp. Rise @ S.F. Load** | 86°C |
| | | | **Locked-rotor Power Factor** | 65.9 |
| | | | **Rotor inertia** | 0.0832 LB-FT2 |

**Load Characteristics 460 V, 60 Hz, 0.75 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 27 | 41 | 53 | 63 | 71 | 78 | 69 |
| **Efficiency** | 51.1 | 64.6 | 69.8 | 71.9 | 71.7 | 69 | 72.7 |
| **Speed** | 1185 | 1171 | 1156 | 1138 | 1118 | 1085 | 1128 |
| **Line amperes** | 1.26 | 1.32 | 1.41 | 1.54 | 1.73 | 2.03 | 1.61 |

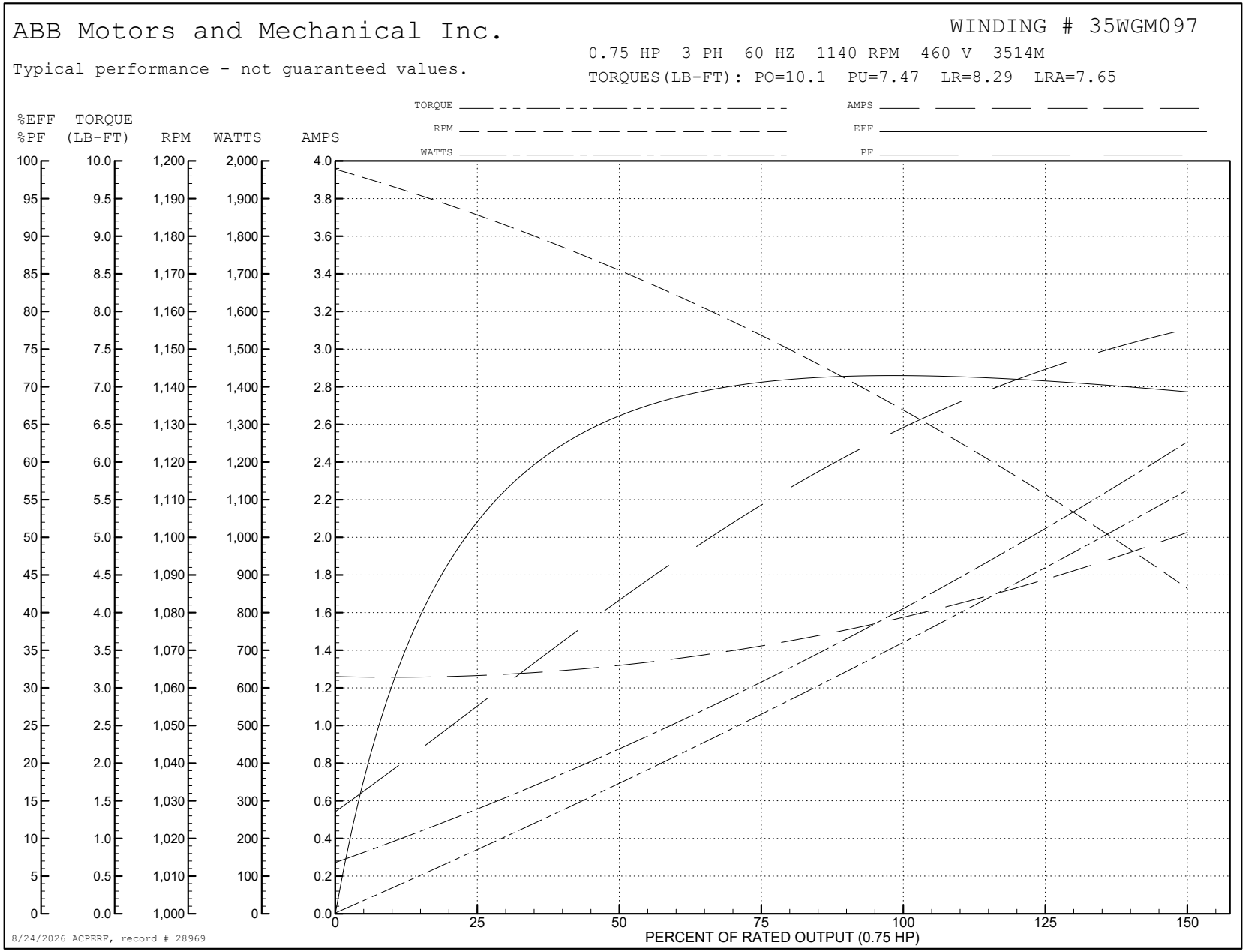
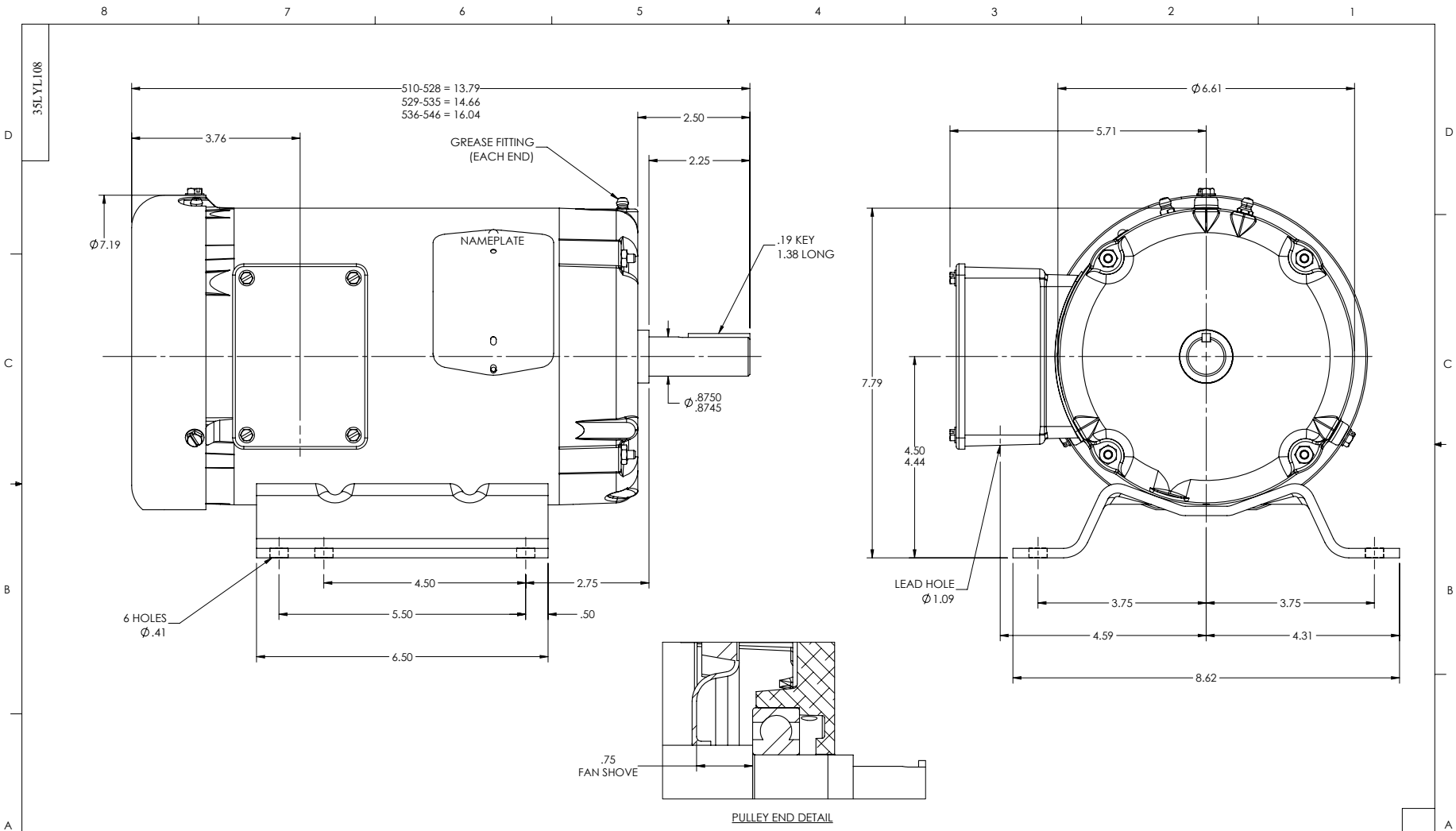
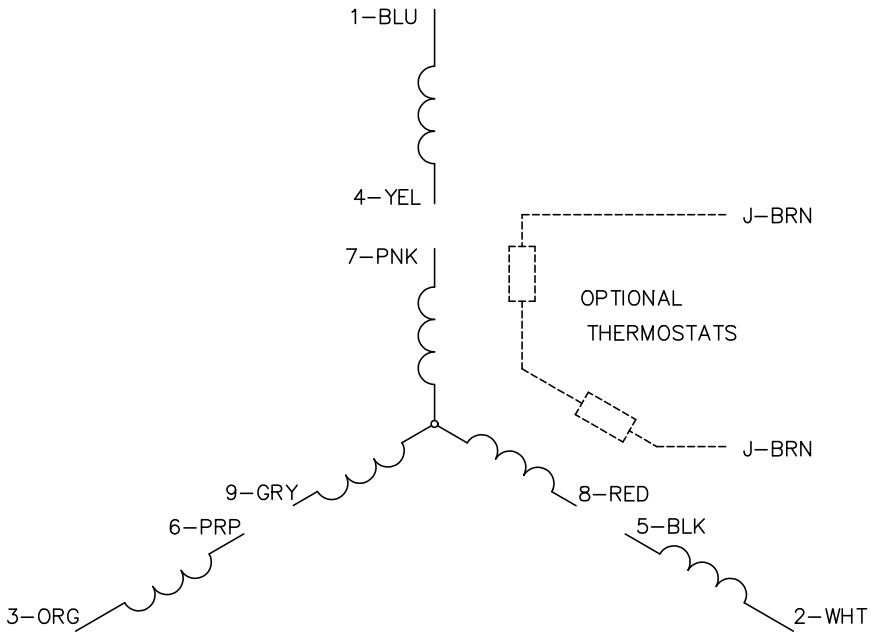
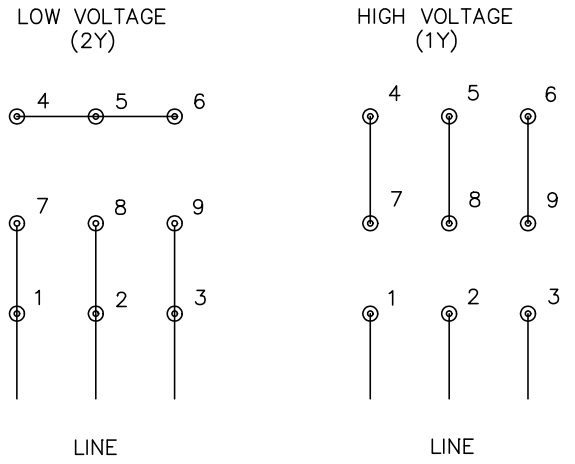


ABB Motors and Mechanical Inc.
WINDING # 35WGM097
Typical performance - not guaranteed values.
0.75 HP 3 PH 60 HZ 1140 RPM 460 V 3514M
TORQUES(LB-FT): PO=10.1 PU=7.47 LR=8.29 LRA=7.65
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
8/24/2026 ACPERF, record # 28969


35LYL108
510-528 = 13.79
529-535 = 14.66
536-546 = 16.04
3.76
2.50
2.25
GREASE FITTING
(EACH END)
Ø7.19
NAMEPLATE
.19 KEY
1.38 LONG
Ø.8750
.8745
4.50
2.75
5.50
.50
6.50
6 HOLES
Ø.41
Ø6.61
5.71
7.79
4.50
4.44
LEAD HOLE
Ø1.09
3.75
3.75
4.59
4.31
8.62
.75
FAN SHOVE
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV X, NO CHG TO 2D PRINT
REV: J
VERSION: 03
REVISED: 09:55:23 03/16/2022
TDR: 000001187751
MODEL NO. 35LYL108
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 182-4 TEFC 35M
SH 1 of 1
35LYL108

CD0005




NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |