Declaration of Conformity
(According to LVD 73/23/EEC as amended by 93/68)

Manufacturer : ABB Industry Oy
Address : Hiomotie 13, FIN-00380 Helsinki, Finland.

herewith declares under our sole responsibility that the product:

Frequency converter ACS 611 series with power range from 11 kW to 55 kW and type marking ACx 611, where ACx can be ACS, ACC or ACP

to which this declaration relates, is in conformity with the requirements of the Low Voltage Directive, LVD 73/23/EEC including amendment 93/68/EEC

the following European standards have been applied:

EN 60204-1 (1992), except as specified in Annex I
(Safety of machinery - Electrical equipment of machines
Part 1: General requirements)

EN 50178 (1997), except as specified in Annex II
(Electronic equipment for use in power installations)

EN 60529 (1991 + corrigendum May 1993)
(Degrees of protection provided by enclosures (IP code))

Technical documentation as described on ACS 611 Technical Construction File (LVD), 3AFE 6415 9305 rev A to which this declaration relates has been assessed and the Statement of Conformity with reference number FI/STC 320 has been written by the Notified body FIMKO Ltd.

The CE-marking was affixed in : 99

Instructions for installation, operation and maintenance are according to ACS/ACC/ACP 601 Frequency Converters 2.2 to 110 kW, Hardware manual 3AFY 6120 1360 and ACS/ACC/ACP 611 Frequency Converters 11 to 55 kW, Supplement, 3BFY 6150 4443.

Helsinki, 1999-07-08

Vesa Laisi
General Manager
ABB Industry Oy
Drives, Component AC-division

Annexes I and II are a part of this declaration
Annex I of the Declaration of Conformity LVD 73/23/EEC as amended by 93/68

Deviations to EN 60204-1

4.4.2 The output current current of ACx 611, has to be derated at higher ambient temperatures.
The derating curves are presented in ACS/ACC/ACP 611 Frequency Converters - Supplement, Appendix A page A-2 enclosed to ACS 611 Tecnical Construction File (LVD).

4.4.5 Enclosure class is IP22.

5.3.1 ACx 611 doesn't have the supply disconnecting device. This device is a part of the machine.

6.1 External du/dt-Filters NOCHxxxx-60 have enclosure class IP00. They are installed to separate casing by purchaser.
Notice: External du/dt-Filters NOCHxxxx-62 have enclosure class IP22.
External du/dt-Filters NOCHxxxx-65 have enclosure class IP54.

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External du/dt-Filters NOCHxxxx-65 have enclosure class IP54.

6.2.3 In the device there is a warning text inside, concerning residual voltage and safe opening moment of the enclosure cover.
Notice: The enclosure cover is fixed by screws

9.2.5.4 There is no option to an emergency-stop device in ACx 611. The final assembler of the machine is responsible for installing an emergency-stop device.

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13.3 Enclosure classes are IP 22.

20.6 EMC immunity for ACx 611-series has been tested according to EN 61800-3 requirements.
Annex II of the Declaration of Conformity LVD 73/23/EEC as amended by 93/68

Deviations to EN 50178:

A.4.7 Acoustic noise is < 75 dB
A.5.2.4.5 Opening of enclosures is possible using key or tool, only.
5.2.5 The device is equipped with a warning label concerning residual voltage and the required time before opening the doors and/or covers.
5.2.11 The leakage current is > 3.5 mA.
A.5.2.11.2 Residual-current is watched by electronics of the equipment
5.2.15.2 The allowed pollution degree is 2 normally.
A.5.2.18.1 Conductors with protective separation are designed using greatest operating voltage as a requirement for each conductor.
A.5.2.18.7 Measures taken against undesirable shifting of windings is realised trough intermediate layers in moulded transformers.
5.3.2.1 The leakage current trough protective conductor is > 3.5 mA.
6.1 The climatic conditions are specified in the manual.
6.3 The electromagnetic compatibility complies with the second environment of EN 61800-3 (June 1996).
6.3.2.1 Supply voltage variations is allowed to be +-10% of the nominal voltage.
6.3.5.2 Electrical isolation of process I/O and telecommunication ports is optional.
7.2 The device is equipped with a warning label concerning residual voltage and the required time before opening the doors and/or covers.