

DPRA-xxxxx
DPRS-xxxxx
Agency Approval Letters

UL
CSA
CE
TUV

Prepared by Fujisawa PAE Team



D E S C R I P T I O N

PRODUCT COVERED:

Component - Hard disk files, Type DBOA-2xxxx, DSOA-2xxxx, DSOS-2xxxx, DPRA-2xxxx and DPRS-2xxxx, where x can be any digit numbers.

ELECTRICAL RATING:

Input - Rated + 5 V dc, maximum 0.9 A (Optional)

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - The products covered by this Report are components intended for use in the Information Technology Equipment, where the suitability of the combination is determined by Underwriters Laboratories Inc.

Condition of Acceptability

The following conditions should be considered by the Engineer evaluating the end-product.

1. The units should be provided with overall enclosure complying with the requirements of the category involved.
2. The enclosure provided would be a closed ventilation system since the air filter need not be classified.
3. The location in the final equipment shall provide adequate spacing between primary current-carrying parts and dead metal parts.
4. Connections to the product should be made in a low voltage, isolated secondary circuits.

IBM Japan Ltd., Fujisawa Plant
1, Kirihara-cho, Fujisawa-shi, Kanagawa-ken 252
Japan

IBM

Jan., 31, 1995
LR 22063C

STATEMENT OF COMPLIANCE

To : Mr. H. Yanagisawa FU-R86

From : M. Inoue
M. Inoue FU-T23
CSA Certification Coordinator

Model Category - Model Number DPRX-2yyyy ("PRESTO" 2.5 inch HDD)
(where X is any alphabet of A to Z and y is any number of 0 to 9)

The subject equipments have been evaluated in accordance with CSA's Category Certification Service and have found to comply with the applicable requirements.

By the authority of CSA, these equipments are immediately eligible to bear the CSA mark.

In accordance with the Category Certification procedure, the evaluation and testing of these equipments are subject to final validation by CSA.

Class : 3862 07 - Information Technology Equipment

Canadian Standards Association - Requirements :

CAN/CSA-22.2 No.0M91 - Canadian Electric Code, Part II
No.950-93 - Safety of Information Technology Equipment
including Electrical Business Equipment

Electrical rating : 5 Vdc , 0.94 A (Max.)

CC. Mr. H. Ino	FU-R81	Mr. I. Ozeki	FU-R99
Mr. M. Masuda	FU-R85	Mr. Y. Masuda	FU-R85
Mr. S. Ogihara	FU-R99	Mr. K. Ogasawara	FU-R86
Mr. T. Nakamura	FU-R86	Mr. K. Kuroi	FU-R84
Mr. H. Kurachi	FU-R84	Mr. J. Ishikawa	FU-R86
Mr. Y. Kobayashi	FU-R86	Mr. O. Kitano	FU-T23
Mr. Egon Varju	CSA Category Certification Eng'r in Vancouver		

**IBM**

IBM United Kingdom Limited

PO Box 30
 Spango Valley
 Greenock
 Scotland PA16 0AH
 Telephone: (0475) 89-2000
 Direct Dial: (0475) 89 + Extn. No.
 Telex: 312664 (IBMGNK G)
 Fax: (0475) 85510

EC DECLARATION OF CONFORMITY

for

IBM ThinkPad Hardfile Models DPRA-20810/21215, DPRS-20810/21215

We, IBM United Kingdom Ltd., declare under our sole responsibility that the above-named product, manufactured by:

IBM Japan Ltd.
 1, Kirihara-cho,
 Fujisawa-shi.
 Kanagawa-ken.
 252, Japan

Saha-Union Corp. Ltd
 336 Moo
 10 Thumbon Bangrpra Sri Racha
 Chonburi 20210
 Thai

to which this declaration relates, is in conformity with the requirements of the following EC Directives:

Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility

Conformity with these Directives has been assessed as specified in the attached Schedule A .

Signed:

R.T. Beaty
 Director, Greenock

Place of issue:

IBM UK Ltd.
 PO Box 30.
 Spango Valley.
 Greenock.
 Scotland PA16 0AH

Date of issue:

2/11/95

EC DECLARATION OF CONFORMITY

for

IBM ThinkPad Hardfile Models DPRA-20810/21215, DPRS-20810/21215

SCHEDULE A

Conformity with Council Directive 89/336/EEC on the approximation of the laws of the member states relating to electromagnetic compatibility is based on compliance of the product with the following harmonised standards:

EN 55022 : 1987 (Class B)
EN 50082-1 : 1992

TOTAL 2 07

Zertifikat Certificate



TÜV Rheinland

Zertifikat Nr. Certificate No. Blatt Page

R 9251484

08

Ihr Zeichen Client Reference
M. I.

Unser Zeichen Our Reference
941-MZA/eo-E 9250365E02

Ausstellungsdatum Date of Issue
04.01.1995 (day/month/yr)

Genehmigungsinhaber License Holder
IBM Japan Ltd.

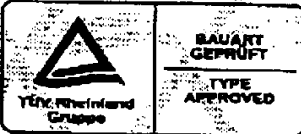
Fertigungsstätte Manufacturing Plant

1 Kirihara-cho
Fujisawa-shi, Kanagawa 252
Japan

IBM Japan Ltd.
Fujisawa Plant
1 Kirihara-cho
Fujisawa-shi, Kanagawa 252
Japan

Genehmigtes Prüfzeichen
Licensed Test Mark

Geprüft nach
Tested Acc. to
EN 60950:1988/A1:1990/A2:1991



Zertifiziertes Produkt (Gerätebeschreibung)
Certified Product (Description of Equipment)

Lizenzgebühr - Einheit
License Fee - Unit

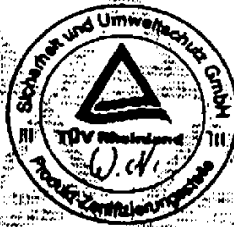
PLATTENSPEICHER (Fixed Disk Subsystem), wie Blatt 1 (as page 1)

Ergänzung
(Addition)

Bezeichnungen
(Type Designations)

Dxxx-2yyy
~~Dxxx-2yyy~~
x steht für A - Z
y steht für 0 - 9

ANLAGE (Appendix): 1



Zertifizierungs- und Prüfstelle
für Gerätesicherheit
Produktzertifizierung

i.A. Dipl.-Ing. K. Heinz

Dem Zertifikat liegt die Prüfzeichenordnung der Prüfstelle zugrunde
The Test Mark Regulation is an integral part of this certificate



**TÜV Rheinland
Japan**

IBM Japan Ltd.
Fujisawa Plant
Mr. M. Inouye
Quality Assurance

3499

Date : 17.01.1995
Our ref. : MZA-J9432425
Your ref.: M.I.

1 Kirihara-cho
Fujisawa-shi, Kanagawa 252

Approval for Fixed Disk Subsystem

Type : DxxA-2yyyy
~~AXXS-27777~~

Certificate No. : R 9251484, sheet 08
Report No. : E 9250365E02
Test Requirement: EN 60 950:1988/A1:1990/A2:1991

Dear Mr. Inouye,

The above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your certificate.

If cancellation of the certificate is submitted by November 15 in a given year, no fee will be charged for the following year.

We appreciate your kind support and would like to offer our assistance and continuous services in the future. Please contact our office for approval of your new products.

With kind regards,

TÜV RHEINLAND JAPAN LTD.
Product Safety Department

Dipl.-Ing. M. Zahn
Project Manager

Dipl.-Ing. F. Suxdorf
Technical Director

Enclosure