

Climate Declaration

Registration number of EPD : JR-BF-25002E

Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
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<https://ecoleaf-label.jp>

※The Climate Declaration indicates greenhouse gas emissions in CO2 equivalent values and is not an EPD. Please check here for EPD: <https://ecoleaf-label.jp/>

Hitachi, Ltd. Hitachi Virtual Storage Platform 5200

Declaration unit・Functional unit

Per sales unit (per unit)

System boundary

☒ final products ☐ intermediate products

① Raw material acquisition ② Production ③ Distribution
④ Use & maintenance ⑤ End of Life

Main specifications of the product

All-Flash Array

- Controller chassis : H/A-F65AG-B1NSBX (Up to 96 SAS SSD)*

Up to 1 pairs * "H/A-" means "H-" or "A-"

- Drive box : H/A-F65AG-B1NSBX (Up to 96 SAS SSD) Up to 8 units

H/A-F65AG-B1NNBX (Up to 96 NVMe SSD) Up to 1 units

- Physical storage capacity* : 23,113TB(SAS SSD 30TB),

5,760TB(NVMe SSD 60TB)

* The capacity is calculated as 1TB = 1,000,000,000,000 bytes

- Assumed operating years : 5years

* The specifications listed are subject to change without notice due to product improvements

PCR information

PCR name IT equipments

PCR review panel

Approval date 15/8/2023

PCR review Ken Yamagishi

panel chair
(Sustainable Management Promotion Organization)



EPD Verification information

Registration# JR-BF-25002E

PCR number PA-520000-BF-04

Publication date 12/5/2025

Verification date 11/18/2025

Verification method Product-by-product

Verification# JV-BF-25002

Expiration date 11/17/2030

Verifier ☐ internal ☒ external

Yasuo Naito

GWP (Carbon footprint)

Stages of the Life cycle	Breakdown	Unit	Percentage
①Raw material acquisition	1.3E+04 kg-CO2eq		3%
②Production	4.9E+03 kg-CO2eq		1%
③Distribution	2.0E+02 kg-CO2eq		0%
④Use & maintenance	4.1E+05 kg-CO2eq		96%
⑤End-of-Life	3.5E+02 kg-CO2eq		0%
Total	4.3E+05 kg-CO2eq		

Additional information

<Products>

・Product Name : Hitachi Virtual Storage Platform 5200

・Conditions for calculating :

Calculated using 1 controller chassis (H/A-65AG-CBXAAN) and 8 drive boxes (H/A-F65AG-B1NSBX),

with the maximum installed of SAS SSDs(768 units).

・Product type name of the scenario used :

Disk array (Solid State Drive(SSD) installed)

<Product main specifications>

Physical storage capacity*1 : 23,113TB

Operating years*2 : 5 years

Drive type : Solid State Drive (SAS SSD)

Drive interface : SAS

Installed drives : 768 units

・Measurement conditions :

-Power during use is measured by the measurement method specified by certified PCR (PA-520000-BF-01).

*1 The capacity is calculated as 1TB = 1,000,000,000,000 bytes

*2 The operating years were assumed to be the statutory useful life(5 years for computer/others)

About the Climate Declaration

This declaration is based on the results of LCA calculations conducted to prepare an EPD in accordance with ISO 14025, and only the global warming impact (carbon footprint) has been isolated and disclosed. Indicators other than carbon footprint may be of equal or greater importance to the impact on global warming, and therefore great care must be taken in the interpretation and communication of this declaration. This figure is a portion of the verified data, and the declaration itself has not been verified by Japan EPD Program by SuMPO. Please check the QR on the right for EPD compliant with ISO14025.

EPD Link



EPD Link <https://ecoleaf-label.jp/en/epd/2622>

LCI date Primary used IDEA V3.1.0 , complemented by CO2 Emissions Intensity v1.15.

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