

Climate Declaration

Registration number of EPD : JR-BF-25003E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

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※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 5600

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-65AG-CBXAAS*, H/A-F65AG-B1NCBxBAS*

Up to 3 pairs * "H/A-" means "H-" or "A-"

- Drive box : H/A-F65AG-B1NSBX (Up to 96 SAS SSD) Up to 24 units

H/A-F65AG-B1NNBX (Up to 96 NVMe SSD) Up to 3 units

- Physical storage capacity*: 69,339TB(SAS SSD), 17,280TB(NVMe SSD)

* 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 panel chair	Ken Yamagishi (Sustainable Management Promotion Organization)

EPD Verification information	
Registration#	JR-BF-25003E
PCR number	PA-520000-BF-04
Publication date	12/5/2025
Verification date	11/18/2025
Verification method	Product-by-product
Verification#	JV-BF-25003
Expiration date	11/17/2030
Verifier	<input type="checkbox"/> internal <input checked="" type="checkbox"/> external Yasuo Naito

GWP (Carbon footprint)			
Stages of the Life cycle	Breakdown	Unit	Percentage
①Raw material acquisition	4.6E+04 kg-CO2eq		4%
②Production	1.5E+04 kg-CO2eq		1%
③Distribution	7.5E+02 kg-CO2eq		0%
④Use & maintenance	1.2E+06 kg-CO2eq		95%
⑤End-of-Life	1.3E+03 kg-CO2eq		0%
Total	1.3E+06 kg-CO2eq		

Additional information	
<Products>	
•Product Name : Hitachi Virtual Storage Platform 5600	
•Conditions for calculating :	
Controller chassis (H/A-65AG-CBXAAS 1 unit, H/A-F65AG-B1NCBxBAS 2 units) and drive boxes (H/A-F65AG-B1NSBX) 24 units, installed with the maximum number of SAS SSDs (2,304 units).	
•Product type name of the scenario used :	
Disk array (Solid State Drive(SSD) installed)	
<Product main specifications>	
Physical storage capacity ^{*1} : 69,339TB	
Operating years ^{*2} : 5 years	
Drive type : Solid State Drive (SAS SSD)	
Drive interface : SAS	
Installed drives : 2,304 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/2623>

LCI date

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

Company Information **Hitachi, Ltd.**
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