Climate Declaration

**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 Virtual Storage Platform One Block 26 Hitachi, Ltd.

Declaration unit · Functional unit

Per sales unit (per unit)

intermediate products

System boundary

✓ final 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 box HT-40SP-MNDNNA(NVMe up to 24) Up to 1unit

Cache capacity : 768 GiB

HT-F40SP-DBN2E(NVMe up to 24) Up to 2 units - Drive box

- 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 Organizetion			

EPD Verification information					
Registration#	JR-BF-24012E				
PCR number	PA-520000-BF-04				
Publication date	1st Apr. 2025				
Verification date	1st Mar. 2025				
Verification method	Product-by-product				
Verification#	JV-BF-24012				
Expiration date	28 Feb. 2030				
Verifier	□internal ■external				
	Yuki Sakamoto				

GWP (Carbon footprint)			Additional info	
Stages of the Life cycle	Breakdown	Unit	Percentage	<products> •Conditions for calculating CO₂eq emissions :</products>
①Raw material acquisition	2.5E+03 k	2.5E+03 kg-CO ₂ eq 3.6%		Calculated using 1 controller chassis (HT-40SP-MN and 2 drive boxes (HT-F40SP-DBN2E) with the max • Product type name of the scenario used :
②Production	8.2E+02 k	8.2E+02 kg-CO ₂ eq 1.2		Disk array (Solid State Drive(SSD) installed) <product main="" specifications=""></product>
③Distribution	5.4E+01 kg-CO ₂ eq		0.1%	Storage capacity*1 : 4,320TB Operating years*2 : 5 years
④Use & maintenance	6.5E+04 k	g-CO ₂ eq	95.0%	Drive type : Solid State Drive (NVMe SSD) Drive interfaces : NVMe
⑤End-of-Life	9.4E+01 k	g-CO ₂ eq	0.1%	Installed drives : 72 units -Power during use is measured by the measurement me (PA-520000-BF-04)
Total	6.9E+04 k	g-CO ₂ eq		*1 The capacity is calculated as 1TB = 1,000,000,000,000 *2 The operating years were assumed to be the statutor

Additional information				
<products></products>				
·Conditions for	calculating CO ₂ eq emissions :			
Calculated u	ing 1 controller chassis (HT-40SP-MNDNNA) with 24 NVMe SSDs installed.			
and 2 drive b	oxes (HT-F40SP-DBN2E) with the maximum installed of 48 NVMe SSDs			
Product type r	ame of the scenario used :			
Disk array (So	lid State Drive(SSD) installed)			
<product main<="" td=""><td>specifications></td></product>	specifications>			
Storage capa	:ity*1 : 4,320TB			
Operating ye	ars*2 : 5 years			
Drive type : S	olid State Drive (NVMe SSD)			
Drive interfac	es : NVMe			
Installed driv	es : 72 units			
-Power during u	se is measured by the measurement method specified by certified PCR			
(PA-520000-BF-	04)			

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 communication of this declaration. This figure is a portion of the verified data, and the has not been verified by Japan EPD Program by SuMPO. Please check the QR on the right for EPD compliant with ISO14025.

EPD Link https://ecoleaf-label.jp/en/epd/2099 LCI date it was supplemented with the registered basic unit v1.15.

Company Information

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declaration itself	



Priority to IDEA ver. 3.1.0,

ful life(5 years for computer/o

EPD Link