

## DATASHEET

# Effective Capacity Guarantee for Hitachi Virtual Storage Platform 5000 Series and VSP E Series

## Increase Flash Efficiency and Lower Storage Costs

Hitachi Virtual Storage Platform (VSP) 5000 series and the VSP E series have been designed to lower your storage acquisition and ownership costs. They provide you with a guaranteed 4:1 effective capacity on reducible data formats when you purchase effective capacity. The effective capacity guarantee is part of the Flash Assurance Program for VSP 5000 series models and VSP E series models, and does not require a pre-assessment. The 4:1 effective capacity ratio applies to compression and deduplication technologies, which have been optimized by Hitachi Storage Virtualization Operating System RF (SVOS RF) to provide both efficiency and performance.

### Purchase Effective Capacity and Get 4:1 Data Reduction

VSP 5000 series and VSP E series models using compression and deduplication on reducible data volumes<sup>1</sup> will provide an effective capacity of at least four times the useable capacity – or we'll provide you with a credit towards future purchase<sup>2</sup>.

### Optimize Performance and Efficiency With User-Selectable Data Reduction

VSP 5000 series and VSP E series models give you the flexibility to turn compression and deduplication “on or off” by storage volume, truly giving you the ability to “right-size” your storage based on specific service levels. Every storage environment is different, so a “one-size fits all, always-on” data reduction simply won't deliver the best balance of data efficiency and performance. The flexibility to turn on or off data reduction by data volume enables you to target and maximize data reduction on specific volumes, while allowing maximum performance and low latency on nonreduced data volumes. The result is an optimal balance of performance and data efficiency, that helps you to meet the most demanding service level agreements while keeping storage costs low.

### AI and ML Enhanced “Smart Data Reduction”

Optimize VSP 5000/E series value with SVOS RF's innovative smart data reduction design. Smart data reduction accelerates performance by using patented AI and machine learning (ML) algorithms to look for matches in real time, in incoming I/O with

## Hitachi Vantara's effective capacity guarantee:

- Lowers initial acquisition cost of your VSP series system.
- Provides investment protection and peace of mind.
- Keeps storage requirements and budgets predictable.
- Requires no pre-assessment of your data.

existing metadata. Duplicates are identified faster, keeping writes quick and storage latency low. In addition, the VSP 5000 series and VSP E series data reduction process is enhanced. It intelligently knows when to implement inline or post-process data reduction based on application-specific workload profiles.

### Consider an Up to 7:1 Total Efficiency Guarantee

Hitachi Vantara also offers a total efficiency guarantee, which delivers storage efficiencies of up to 7:1 when factoring compression and deduplication, including the addition of thin provisioning and snapshots. This program is an option for organizations that prioritize data efficiency as a top requirement. Participation in this program requires a pre-assessment of your expected implementation using our total efficiency sizing tools. Please ask your Hitachi Vantara representative for details.

**Learn More** →

Looking to optimize data efficiency?  
[Learn more](#) about how our total efficiency guarantee can deliver storage efficiencies of up to 7:1.

**ABOUT HITACHI VANTARA**

Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn how Hitachi Vantara turns businesses from data-rich to data-driven through agile digital processes, products, and experiences, visit [hitachivantara.com](http://hitachivantara.com).

<sup>1</sup> The effective capacity guarantee and up to 7:1 total efficiency guarantee DOES NOT APPLY to prereduced and/or nonreducible data file formats; for example, audio, image and video file formats; compressed user productivity file formats such as Microsoft Office 2007 or newer formats, like pptx, docx, xlsx and Adobe PDF files; executable file formats such as exe and BIN; compressed file formats like zip, gzip, rar, cab and tgz; mainframe files; precompressed databases; and any other files that Hitachi in its reasonable opinion believes are precompressed and/or noncompressible.

<sup>2</sup> Subject to eligibility and a signed customized agreement.



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