

NVIDIA GB300 NVL72 GPU 288GB vs NVIDIA H100 SXM5 80GB

Side by side datacenter GPU specifications from the Flopper.io database.

OVERVIEW

	NVIDIA GB300 NVL72 GPU 288GB	NVIDIA H100 SXM5 80GB
FP32 TFLOPS	83.3	67.0
Memory	288 GB	80 GB
Memory Bandwidth	8.0 TB/s	3.4 TB/s
TDP	—	700 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GB300 NVL72 GPU 288GB peak TFLOPS (dense)	NVIDIA H100 SXM5 80GB peak TFLOPS (dense)
FP64	1.4	34.0
FP64_TC Tensor Core	—	67.0
FP32	83.3	67.0
TF32	1250.0	494.0
BF16	2500.0	990.0
FP16	2500.0	990.0
FP8	5000.0	1979.0
FP6	5000.0	—
FP4	15000.0	—
INT8	165.0	1979.0

SPECIFICATIONS

	NVIDIA GB300 NVL72 GPU 288GB	NVIDIA H100 SXM5 80GB
Architecture	Blackwell Ultra	Hopper
Process Node	4nm	4nm
Launch Year	2025	2022
Form Factor	SXM	SXM
Memory Type	HBM3e	—

	NVIDIA GB300 NVL72 GPU 288GB	NVIDIA H100 SXM5 80GB
Interface Width	—	—
Interconnect	NVLink	—
TDP	—	700 W
FP32 Efficiency	—	0.10 TFLOPS/W