



NVIDIA B300 SXM 262GB vs NVIDIA H100 SXM5 80GB

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

OVERVIEW

	NVIDIA B300 SXM 262GB	NVIDIA H100 SXM5 80GB
FP32 TFLOPS	75.0	67.0
Memory	263 GB	80 GB
Memory Bandwidth	8.0 TB/s	3.4 TB/s
TDP	1.4 kW	700 W

PERFORMANCE BY PRECISION

Precision	NVIDIA B300 SXM 262GB peak TFLOPS (dense)	NVIDIA H100 SXM5 80GB peak TFLOPS (dense)
FP64	1.3	34.0
FP64_TC Tensor Core	—	67.0
FP32	75.0	67.0
TF32	1125.0	494.0
BF16	2250.0	990.0
FP16	2250.0	990.0
FP8	4500.0	1979.0
FP6	4500.0	—
FP4	13500.0	—
INT8	187.5	1979.0

SPECIFICATIONS

	NVIDIA B300 SXM 262GB	NVIDIA H100 SXM5 80GB
Architecture	Blackwell Ultra	Hopper
Process Node	4nm	4nm
Launch Year	2025	2022
Form Factor	SXM	SXM
Memory Type	HBM3e	—

	NVIDIA B300 SXM 262GB	NVIDIA H100 SXM5 80GB
Interface Width	—	—
Interconnect	—	—
TDP	1.4 kW	700 W
FP32 Efficiency	0.05 TFLOPS/W	0.10 TFLOPS/W