



NVIDIA H100 NVL 94GB vs NVIDIA H100 SXM5 80GB

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

OVERVIEW

	NVIDIA H100 NVL 94GB	NVIDIA H100 SXM5 80GB
FP32 TFLOPS	60.0	67.0
VRAM	94 GB	80 GB
Memory Bandwidth	3.9 TB/s	3.4 TB/s
TDP	400 W	700 W

PERFORMANCE BY PRECISION

Precision	NVIDIA H100 NVL 94GB peak TFLOPS (dense)	NVIDIA H100 SXM5 80GB peak TFLOPS (dense)
FP64	30.0	34.0
FP64_TC Tensor Core	60.0	67.0
FP32	60.0	67.0
TF32	—	494.0
BF16	—	990.0
FP16	—	990.0
FP8	—	1979.0
FP6	—	—
FP4	—	—
INT8	—	1979.0

SPECIFICATIONS

	NVIDIA H100 NVL 94GB	NVIDIA H100 SXM5 80GB
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2023	2022
Form Factor	PCIe	SXM
Memory Type	HBM3	—

	NVIDIA H100 NVL 94GB	NVIDIA H100 SXM5 80GB
Interface Width	—	—
Interconnect	—	—
TDP	400 W	700 W
FP32 Efficiency	0.15 TFLOPS/W	0.10 TFLOPS/W