



NVIDIA B200 SXM 180GB vs NVIDIA H200 SXM 141GB

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

OVERVIEW

	NVIDIA B200 SXM 180GB	NVIDIA H200 SXM 141GB
FP32 TFLOPS	75.0	67.0
VRAM	180 GB	141 GB
Memory Bandwidth	7.7 TB/s	4.8 TB/s
TDP	1.0 kW	700 W

PERFORMANCE BY PRECISION

Precision	NVIDIA B200 SXM 180GB peak TFLOPS (dense)	NVIDIA H200 SXM 141GB peak TFLOPS (dense)
FP64	37.0	34.0
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	9000.0	—
INT8	4500.0	1979.0

SPECIFICATIONS

	NVIDIA B200 SXM 180GB	NVIDIA H200 SXM 141GB
Architecture	Blackwell	Hopper
Process Node	4nm	4nm
Launch Year	2024	2024
Form Factor	SXM	SXM
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—

	NVIDIA B200 SXM 180GB	NVIDIA H200 SXM 141GB
TDP	1.0 kW	700 W
FP32 Efficiency	0.07 TFLOPS/W	0.10 TFLOPS/W