

NVIDIA B200 SXM 180GB vs NVIDIA GeForce RTX 5090 D 32GB

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

OVERVIEW

	NVIDIA B200 SXM 180GB	NVIDIA GeForce RTX 5090 D 32GB
FP32 TFLOPS	75.0	104.8
Memory	180 GB	32 GB
Memory Bandwidth	7.7 TB/s	—
TDP	1.0 kW	575 W

PERFORMANCE BY PRECISION

Precision	NVIDIA B200 SXM 180GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5090 D 32GB peak TFLOPS (dense)
FP64	37.0	1.6
FP32	75.0	104.8
TF32	1125.0	—
BF16	2250.0	—
FP16	2250.0	—
FP8	4500.0	—
FP6	4500.0	—
FP4	9000.0	1187.5
INT8	4500.0	—

SPECIFICATIONS

	NVIDIA B200 SXM 180GB	NVIDIA GeForce RTX 5090 D 32GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2024	2025
Form Factor	SXM	PCIe
Memory Type	—	GDDR7
Interface Width	—	512-bit
Interconnect	—	—

	NVIDIA B200 SXM 180GB	NVIDIA GeForce RTX 5090 D 32GB
TDP	1.0 kW	575 W
FP32 Efficiency	0.07 TFLOPS/W	0.18 TFLOPS/W