



NVIDIA RTX A5000 24GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA RTX A5000 24GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	27.8	35.6
VRAM	24 GB	24 GB
Memory Bandwidth	768 GB/s	936 GB/s
TDP	230 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX A5000 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
INT8	55.6	284.0
INT4	—	568.0
FP16	27.8	71.0
BF16	27.8	71.0
TF32	27.8	35.6
FP32	27.8	35.6
FP64	0.4	0.6

SPECIFICATIONS

	NVIDIA RTX A5000 24GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—

	NVIDIA RTX A5000 24GB	NVIDIA GeForce RTX 3090 24GB
TDP	230 W	350 W
FP32 Efficiency	0.12 TFLOPS/W	0.10 TFLOPS/W