



3950X Sep

AMD Ryzen 9 3950X 16-Core testing with a ASUS ROG CROSSHAIR VII HERO (WI-FI) (3103 BIOS) and Sapphire AMD Radeon RX 470 4GB on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

A had the most wins, coming in first place for 54% of the tests.

Based on the geometric mean of all complete results, the fastest (A) was 1.172x the speed of the slowest (E). B was 0.92x the speed of A, C was 0.997x the speed of B, D was 0.996x the speed of C, E was 0.934x the speed of D.

The results with the greatest spread from best to worst included:

etcd (Test: RANGE - Connections: 50 - Clients: 100 - Average Latency) at 2.242x

etcd (Test: RANGE - Connections: 50 - Clients: 100) at 2.225x

etcd (Test: PUT - Connections: 500 - Clients: 100 - Average Latency) at 2x

etcd (Test: PUT - Connections: 500 - Clients: 100) at 1.978x

etcd (Test: RANGE - Connections: 100 - Clients: 100 - Average Latency) at 1.973x

etcd (Test: PUT - Connections: 100 - Clients: 100 - Average Latency) at 1.97x

etcd (Test: RANGE - Connections: 100 - Clients: 100) at 1.966x

etcd (Test: PUT - Connections: 50 - Clients: 100 - Average Latency) at 1.939x

etcd (Test: PUT - Connections: 100 - Clients: 100) at 1.936x

etcd (Test: PUT - Connections: 50 - Clients: 100) at 1.93x.

Test Systems:

A

B

C

D

E

Processor: AMD Ryzen 9 3950X 16-Core @ 3.50GHz (16 Cores), Motherboard: ASUS ROG CROSSHAIR VII HERO (WI-FI) (3103 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: Samsung SSD 970 EVO 250GB, Graphics: Sapphire AMD Radeon RX 470 4GB (1260/1750MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: DELL S2409W, Network: Intel I211 + Realtek RTL8822BE 802.11a/b/g/n/ac

OS: Ubuntu 22.04, Kernel: 5.19.0-051900daily20220813-generic (x86_64), Desktop: GNOME Shell 42.2, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.0.5 (LLVM 13.0.1 DRM 3.48), Vulkan: 1.3.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgc-n-amdhsa=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-gcn/usr --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v

Disk Notes: NONE / errors=remount-ro,relatime,rw / Block Size: 4096

Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0x8701021

Python Notes: Python 3.10.4

Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Mitigation of IBPB + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: always-on STIBP: forced RSB filling PBRSE-IBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

	A	B	C	D	E
Unpacking The Linux Kernel - linux-5.19.tar.xz (sec)	7.698	7.682	7.653	7.675	7.648
Normalized	99.35%	99.56%	99.93%	99.65%	100%
Standard Deviation					0.2%
C-Blosc - blosclz shuffle (MB/s)	14794	14622	14764	14684	14627
Normalized	100%	98.84%	99.79%	99.26%	98.87%
Standard Deviation					0.5%

C-Blosc - blosclz bitshuffle	10091	10039	10074	10053	10022
Normalized	100%	99.49%	99.83%	99.63%	99.31%
Standard Deviation					0.1%
GraphicsMagick - Swirl (Iterations/min)	659	657	658	657	653
Normalized	100%	99.7%	99.85%	99.7%	99.09%
Standard Deviation					0.3%
GraphicsMagick - Rotate (Iterations/min)	468	463	461	462	461
Normalized	100%	98.93%	98.5%	98.72%	98.5%
Standard Deviation					0.1%
GraphicsMagick - Sharpen (Iterations/min)	251	251	251	251	249
Normalized	100%	100%	100%	100%	99.2%
Standard Deviation					0.5%
GraphicsMagick - Enhanced (Iterations/min)	364	363	364	363	362
Normalized	100%	99.73%	100%	99.73%	99.45%
Standard Deviation					0.2%
GraphicsMagick - Resizing (Iterations/min)	1688	1674	1684	1673	1666
Normalized	100%	99.17%	99.76%	99.11%	98.7%
Standard Deviation					0.4%
GraphicsMagick - Noise-Gaussian (Iterations/min)	290	289	289	289	289
Normalized	100%	99.66%	99.66%	99.66%	99.66%
Standard Deviation					0.2%
GraphicsMagick - HWB Color Space (Iterations/min)	729	722	722	723	720
Normalized	100%	99.04%	99.04%	99.18%	98.77%
Standard Deviation					0.1%
7-Zip Compression - Compression Rating (MIPS)	84205	82350	83291	84096	83473
Normalized	100%	97.8%	98.91%	99.87%	99.13%
Standard Deviation					0.1%
7-Zip Compression - D.R (MIPS)	75100	74832	75045	74994	74898
Normalized	100%	99.64%	99.93%	99.86%	99.73%
Standard Deviation					0.1%
Timed Node.js Compilation - Time To Compile (sec)	497.19	497.081	495.674	496.204	496.366
Normalized	99.7%	99.72%	100%	99.89%	99.86%
Standard Deviation					0%
Timed PHP Compilation - Time To Compile (sec)	60.378	60.627	60.57	60.49	60.039
Normalized	99.44%	99.03%	99.12%	99.25%	100%
Standard Deviation					0.6%
Timed CPython Compilation - Default (sec)	18.361	18.414	18.379	18.366	18.387
Normalized	100%	99.71%	99.9%	99.97%	99.86%
Timed CPython Compilation - R.B.P.L.O (sec)	272.578	272.358	272.803	272.489	274.585
Normalized	99.92%	100%	99.84%	99.95%	99.19%

Timed Erlang/OTP Compilation - Time To Compile (sec)	111.939	112.06	112.666	113.131	112.594
Normalized	100%	99.89%	99.35%	98.95%	99.42%
Standard Deviation					0.3%
Timed Wasmer Compilation - Time To Compile (sec)	57.352	57.317	57.32	57.618	57.353
Normalized	99.94%	100%	99.99%	99.48%	99.94%
Standard Deviation					0.3%
etcd - PUT - 50 - 100 (Reqs/sec)	30093	16615	15975	15721	15592
Normalized	100%	55.21%	53.08%	52.24%	51.81%
Standard Deviation					0.1%
etcd - PUT - 50 - 100 - Average Latency (ms)	3.3	6	6.3	6.4	6.4
Normalized	100%	55%	52.38%	51.56%	51.56%
Standard Deviation					0%
etcd - PUT - 100 - 100 (Reqs/sec)	29893	16572	15915	15688	15440
Normalized	100%	55.44%	53.24%	52.48%	51.65%
Standard Deviation					0.2%
etcd - PUT - 100 - 100 - Average Latency (ms)	3.3	6	6.3	6.4	6.5
Normalized	100%	55%	52.38%	51.56%	50.77%
Standard Deviation					0%
etcd - PUT - 50 - 1000 (Reqs/sec)	90352	89723	89853	89674	72970
Normalized	100%	99.3%	99.45%	99.25%	80.76%
Standard Deviation					6.9%
etcd - PUT - 50 - 1000 - Average Latency (ms)	11	11.1	11	11.1	13.7
Normalized	100%	99.1%	100%	99.1%	80.29%
Standard Deviation					5.9%
etcd - PUT - 500 - 100 (Reqs/sec)	29941	16446	15902	15561	15135
Normalized	100%	54.93%	53.11%	51.97%	50.55%
Standard Deviation					2.4%
etcd - PUT - 500 - 100 - Average Latency (ms)	3.3	6.1	6.3	6.4	6.6
Normalized	100%	54.1%	52.38%	51.56%	50%
Standard Deviation					2.5%
etcd - PUT - 100 - 1000	85436	84546	84943	84670	62573
Normalized	100%	98.96%	99.42%	99.1%	73.24%
Standard Deviation					10.6%
etcd - PUT - 100 - 1000 - Average Latency (ms)	11.6	11.7	11.6	11.7	16.0
Normalized	100%	99.15%	100%	99.15%	72.5%
Standard Deviation					8.5%
etcd - PUT - 500 - 1000	66273	65971	65829	65753	52165
Normalized	100%	99.54%	99.33%	99.22%	78.71%
Standard Deviation					4.6%
etcd - PUT - 500 - 1000 - Average Latency (ms)	14.7	14.8	14.8	14.8	18.8
Normalized	100%	99.32%	99.32%	99.32%	78.19%
Standard Deviation					4.2%
etcd - RANGE - 50 - 100 (Reqs/sec)	30100	16178	15955	15614	13529
Normalized	100%	53.75%	53.01%	51.87%	44.95%
Standard Deviation					2.3%

etcd - RANGE - 50 - 100 - Average Latency (ms)	3.3	6.2	6.3	6.4	7.4
Normalized	100%	53.23%	52.38%	51.56%	44.59%
Standard Deviation					2.5%
etcd - RANGE - 100 - 100 (Reqs/sec)	26867	16166	16010	15512	13662
Normalized	100%	60.17%	59.59%	57.74%	50.85%
Standard Deviation					4.7%
etcd - RANGE - 100 - 100 - Average Latency (ms)	3.7	6.2	6.2	6.4	7.3
Normalized	100%	59.68%	59.68%	57.81%	50.68%
Standard Deviation					4.6%
etcd - RANGE - 50 - 1000 (Reqs/sec)	90098	89816	89933	90540	57913
Normalized	99.51%	99.2%	99.33%	100%	63.96%
Standard Deviation					16%
etcd - RANGE - 50 - 1000 - Average Latency (ms)	11	11	11	11	17.5
Normalized	100%	100%	100%	100%	62.86%
Standard Deviation					11.2%
etcd - RANGE - 500 - 100 (Reqs/sec)	18992	16096	15859	15521	12553
Normalized	100%	84.76%	83.51%	81.73%	66.1%
Standard Deviation					2.4%
etcd - RANGE - 500 - 100 - Average Latency (ms)	5.3	6.2	6.3	6.4	8.0
Normalized	100%	85.48%	84.13%	82.81%	66.25%
Standard Deviation					2.7%
etcd - RANGE - 100 - 1000 (Reqs/sec)	84607	84593	84947	84795	55692
Normalized	99.6%	99.58%	100%	99.82%	65.56%
Standard Deviation					13.8%
etcd - RANGE - 100 - 1000 - Average Latency (ms)	11.7	11.7	11.6	11.7	18.1
Normalized	99.15%	99.15%	100%	99.15%	64.09%
Standard Deviation					9.9%
etcd - RANGE - 500 - 1000 (Reqs/sec)	65917	65709	65752	65751	47998
Normalized	100%	99.68%	99.75%	99.75%	72.82%
Standard Deviation					2.7%
etcd - RANGE - 500 - 1000 - Average Latency (ms)	14.8	14.8	14.8	14.8	20.5
Normalized	100%	100%	100%	100%	72.2%
Standard Deviation					2.6%
Mobile Neural Network - nasnet (ms)	12.978	13.061	12.798	13.057	12.810
Normalized	98.61%	97.99%	100%	98.02%	99.91%
Standard Deviation					0.3%
Mobile Neural Network - mobilenetV3 (ms)	2.013	2.006	1.971	2.014	1.972
Normalized	97.91%	98.26%	100%	97.86%	99.95%
Standard Deviation					0.8%

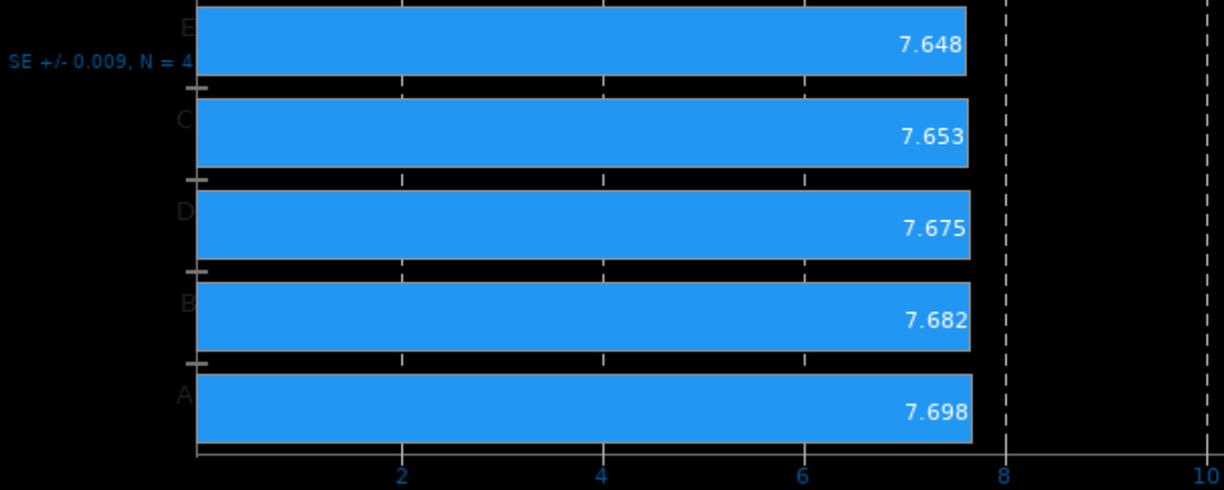
Mobile Neural Network - squeezeNetV1.1 (ms)	3.379	3.374	3.279	3.37	3.312
Normalized	97.04%	97.18%	100%	97.3%	99%
Standard Deviation					0.4%
Mobile Neural Network - resnet-v2-50 (ms)	20.177	20.064	20.321	20.069	20.032
Normalized	99.28%	99.84%	98.58%	99.82%	100%
Standard Deviation					0.6%
Mobile Neural Network - SqueezeNetV1.0 (ms)	5.421	5.566	5.401	5.541	5.380
Normalized	99.24%	96.66%	99.61%	97.09%	100%
Standard Deviation					0.6%
Mobile Neural Network - MobileNetV2_224 (ms)	3.592	3.571	3.542	3.508	3.506
Normalized	97.61%	98.18%	98.98%	99.94%	100%
Standard Deviation					1.1%
Mobile Neural Network - mobilenet-v1-1.0 (ms)	2.698	2.692	2.7	2.69	2.683
Normalized	99.44%	99.67%	99.37%	99.74%	100%
Standard Deviation					1.5%
Mobile Neural Network - inception-v3 (ms)	27.847	27.608	27.76	27.825	27.527
Normalized	98.85%	99.71%	99.16%	98.93%	100%
Standard Deviation					0.6%
OpenVINO - F.D.F - CPU (FPS)	3.16	3.16	3.14	3.13	3.14
Normalized	100%	100%	99.37%	99.05%	99.37%
Standard Deviation					0.2%
OpenVINO - F.D.F - CPU (ms)	1258	1256	1271	1274	1269
Normalized	99.81%	100%	98.81%	98.55%	98.97%
Standard Deviation					0.3%
OpenVINO - P.D.F - CPU (FPS)	2.37	2.38	2.39	2.41	2.39
Normalized	98.34%	98.76%	99.17%	100%	99.17%
Standard Deviation					0.9%
OpenVINO - P.D.F - CPU (ms)	1669	1662	1663	1645	1654
Normalized	98.58%	99.01%	98.91%	100%	99.44%
Standard Deviation					1%
OpenVINO - P.D.F - CPU (FPS)	2.39	2.42	2.41	2.42	2.39
Normalized	98.76%	100%	99.59%	100%	98.76%
Standard Deviation					1.5%
OpenVINO - P.D.F - CPU (ms)	1660	1638	1642	1643	1662
Normalized	98.67%	100%	99.77%	99.67%	98.57%
Standard Deviation					1.2%
OpenVINO - V.D.F - CPU (FPS)	351.33	343.85	344.15	344.26	340.86
Normalized	100%	97.87%	97.96%	97.99%	97.02%
Standard Deviation					1.2%
OpenVINO - V.D.F - CPU (ms)	11.37	11.61	11.6	11.6	11.71
Normalized	100%	97.93%	98.02%	98.02%	97.1%
Standard Deviation					1.2%
OpenVINO - F.D.F.I - CPU (FPS)	5.74	5.76	5.77	5.76	5.74
Normalized	99.48%	99.83%	100%	99.83%	99.48%
Standard Deviation					0.1%
OpenVINO - F.D.F.I - CPU (ms)	695.52	693.78	692.6	693.83	696.40
Normalized	99.58%	99.83%	100%	99.82%	99.45%
Standard Deviation					0.1%

OpenVINO - V.D.F.I - CPU (FPS)	437.73	439	439.42	438.99	436.56
Normalized	99.62%	99.9%	100%	99.9%	99.35%
Standard Deviation					0.1%
OpenVINO - V.D.F.I - CPU (ms)	9.13	9.1	9.09	9.1	9.15
Normalized	99.56%	99.89%	100%	99.89%	99.34%
Standard Deviation					0.1%
OpenVINO - W.P.D.F - CPU (FPS)	321.78	321.18	321.38	321.99	320.41
Normalized	99.93%	99.75%	99.81%	100%	99.51%
Standard Deviation					0%
OpenVINO - W.P.D.F - CPU (ms)	12.41	12.43	12.42	12.4	12.46
Normalized	99.92%	99.76%	99.84%	100%	99.52%
Standard Deviation					0%
OpenVINO - M.T.E.T.D.F - CPU (FPS)	36.32	36.04	36.06	36.15	35.75
Normalized	100%	99.23%	99.28%	99.53%	98.43%
Standard Deviation					0.5%
OpenVINO - M.T.E.T.D.F - CPU (ms)	110.01	110.92	110.84	110.55	111.79
Normalized	100%	99.18%	99.25%	99.51%	98.41%
Standard Deviation					0.5%
OpenVINO - W.P.D.F.I - CPU (FPS)	570.81	572.41	572.84	572.19	569.25
Normalized	99.65%	99.92%	100%	99.89%	99.37%
Standard Deviation					0.1%
OpenVINO - W.P.D.F.I - CPU (ms)	28.01	27.92	27.91	27.94	28.08
Normalized	99.64%	99.96%	100%	99.89%	99.39%
Standard Deviation					0.1%
OpenVINO - P.V.B.D.F - CPU (FPS)	504.46	503.24	504.03	504.36	503.15
Normalized	100%	99.76%	99.91%	99.98%	99.74%
Standard Deviation					0.2%
OpenVINO - P.V.B.D.F - CPU (ms)	7.92	7.93	7.92	7.92	7.94
Normalized	100%	99.87%	100%	100%	99.75%
Standard Deviation					0.2%
OpenVINO - A.G.R.R.0.F - CPU (FPS)	10974	11066	11106	11032	11013
Normalized	98.81%	99.64%	100%	99.33%	99.16%
Standard Deviation					0.5%
OpenVINO - A.G.R.R.0.F - CPU (ms)	1.44	1.43	1.43	1.44	1.44
Normalized	99.31%	100%	100%	99.31%	99.31%
Standard Deviation					0.4%
OpenVINO - A.G.R.R.0.F.I - CPU (FPS)	15768	15826	15842	15835	15751
Normalized	99.53%	99.9%	100%	99.96%	99.43%
Standard Deviation					0%
OpenVINO - A.G.R.R.0.F.I - CPU (ms)	1.01	1	1	1	1.01
Normalized	99.01%	100%	100%	100%	99.01%
Standard Deviation					0%
Natron - Spaceship (FPS)	3.3	3.4	3.3	3.4	3.3
Normalized	97.06%	100%	97.06%	100%	97.06%
Standard Deviation					6%

Unpacking The Linux Kernel 5.19

linux-5.19.tar.xz

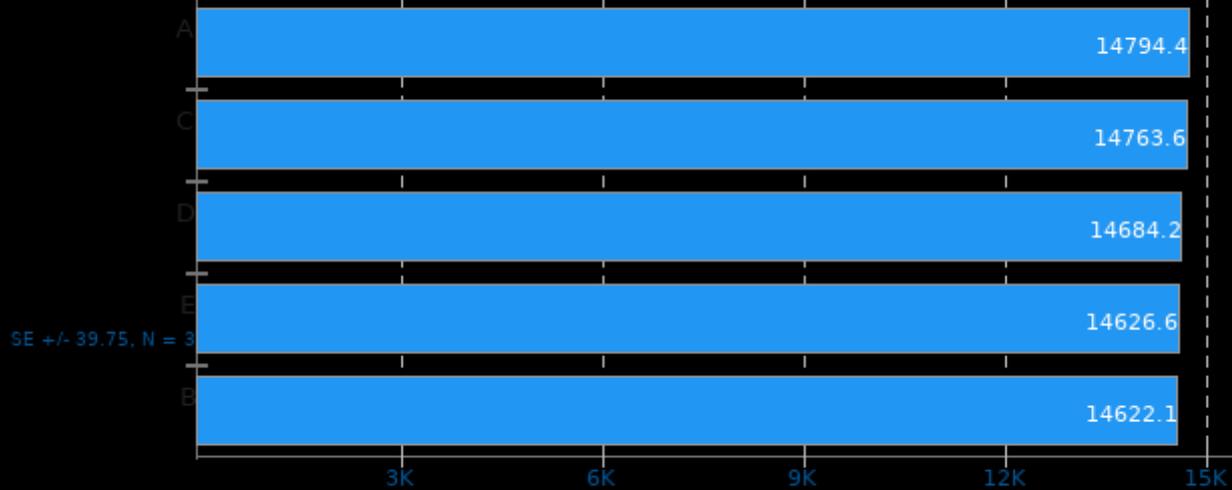
← Seconds, Fewer Is Better



C-Blosc 2.3

Test: blosclz shuffle

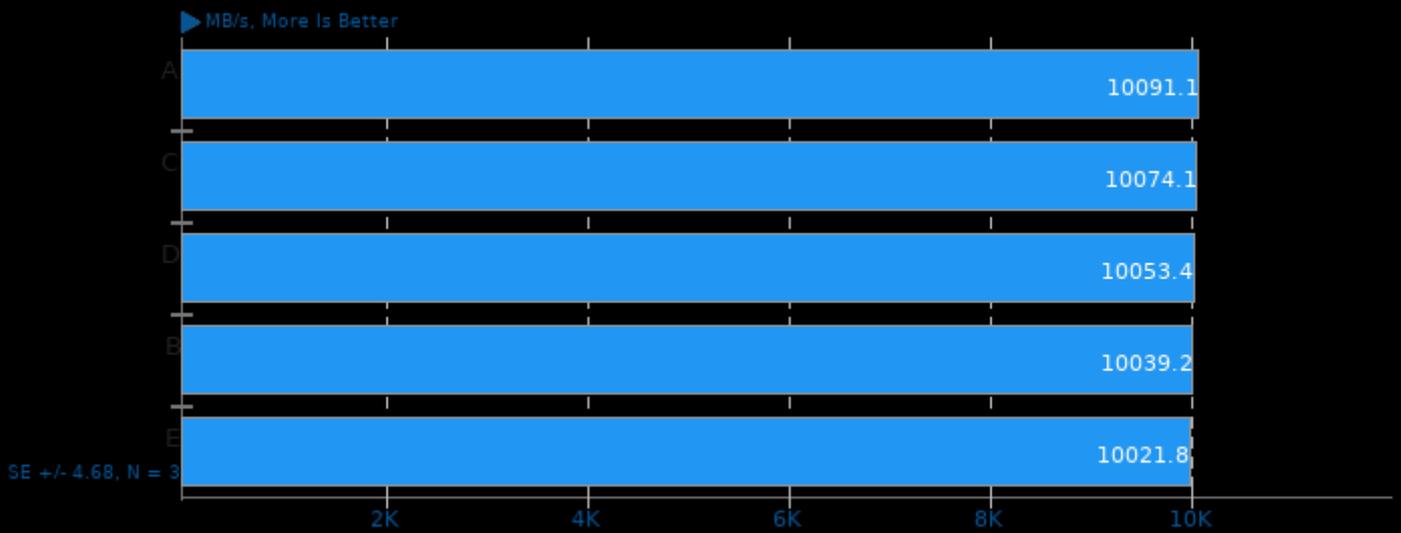
► MB/s, More Is Better



1. (CC) gcc options: -std=gnu99 -O3 -lrt -lm

C-Blosc 2.3

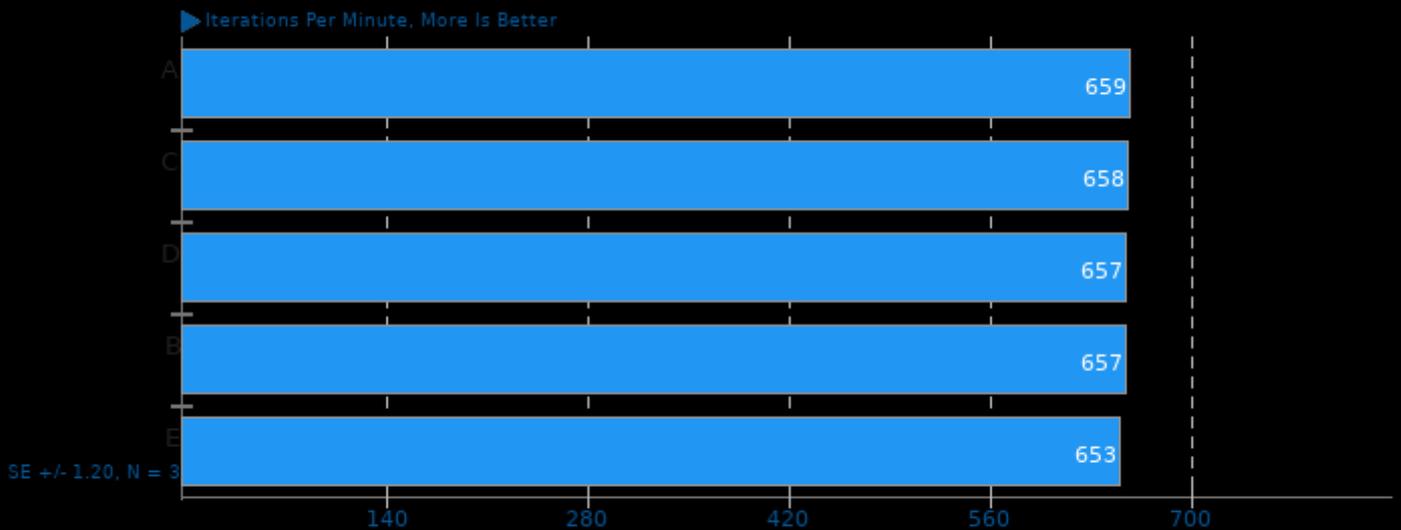
Test: blosclz bitshuffle



1. (CC) gcc options: -std=gnu99 -O3 -lrt -lm

GraphicsMagick 1.3.38

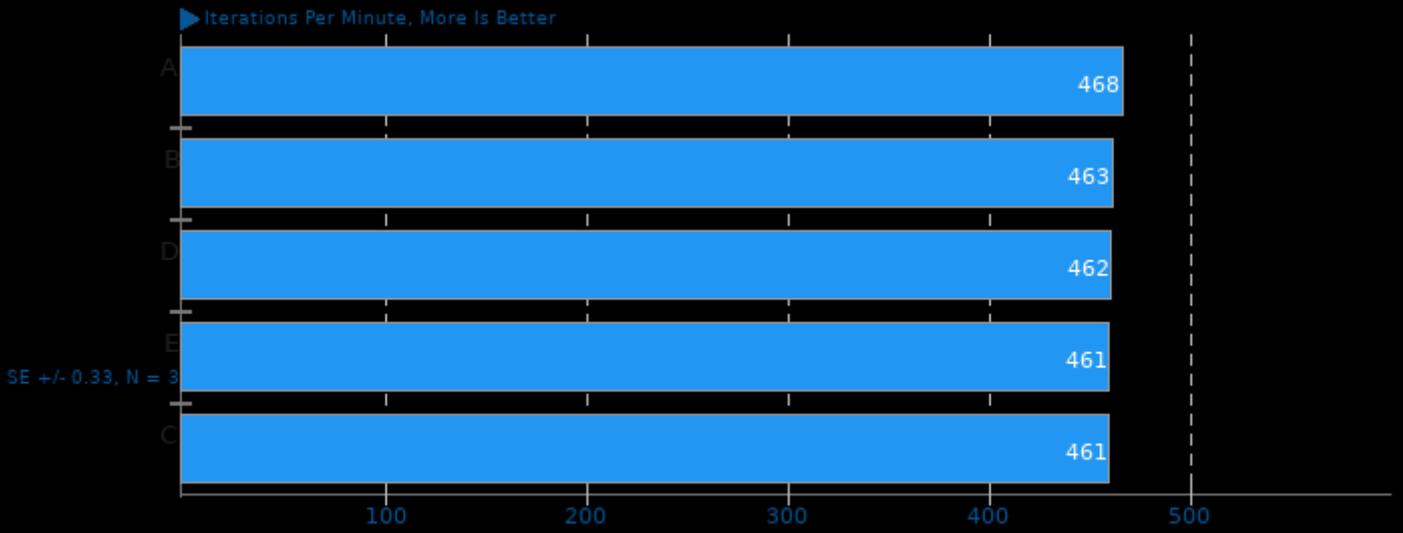
Operation: Swirl



1. (CC) gcc options: -fopenmp -O2 -ljpeg -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.38

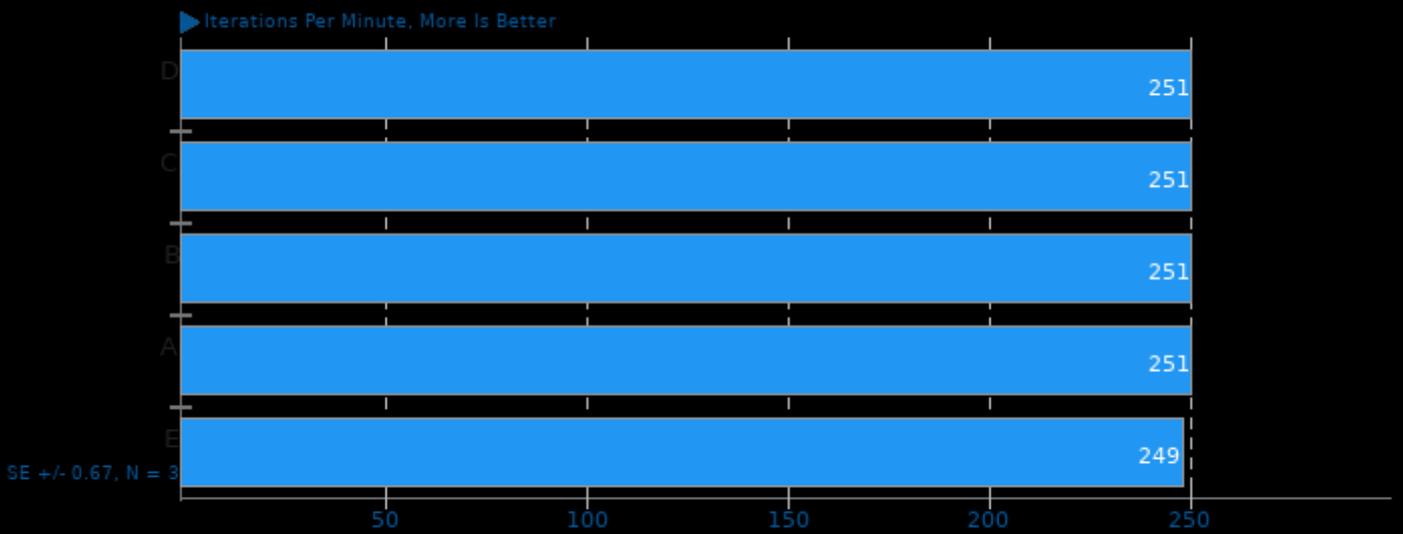
Operation: Rotate



1. (CC) gcc options: -fopenmp -O2 -ljpeg -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.38

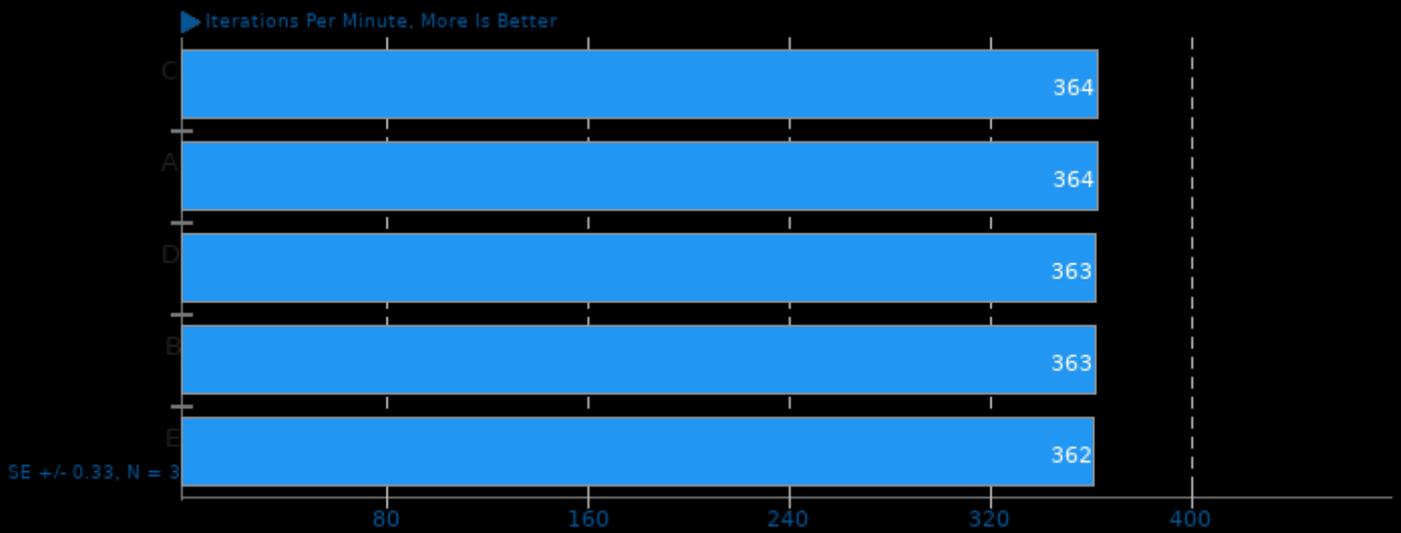
Operation: Sharpen



1. (CC) gcc options: -fopenmp -O2 -ljpeg -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.38

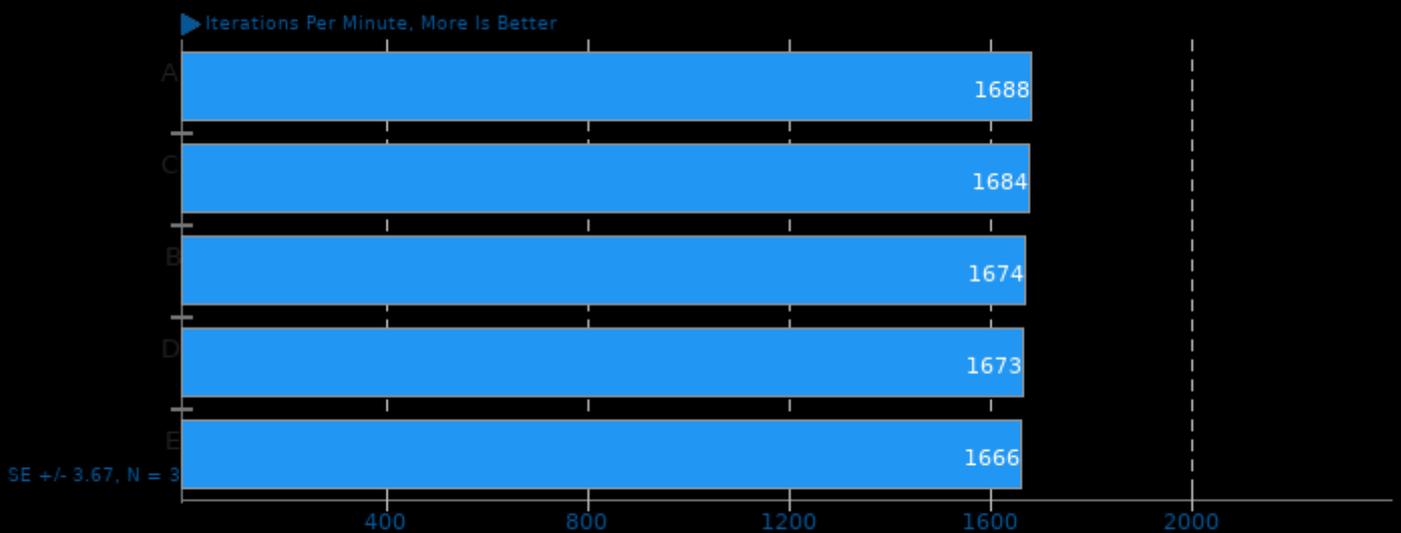
Operation: Enhanced



1. (CC) gcc options: -fopenmp -O2 -ljbig -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.38

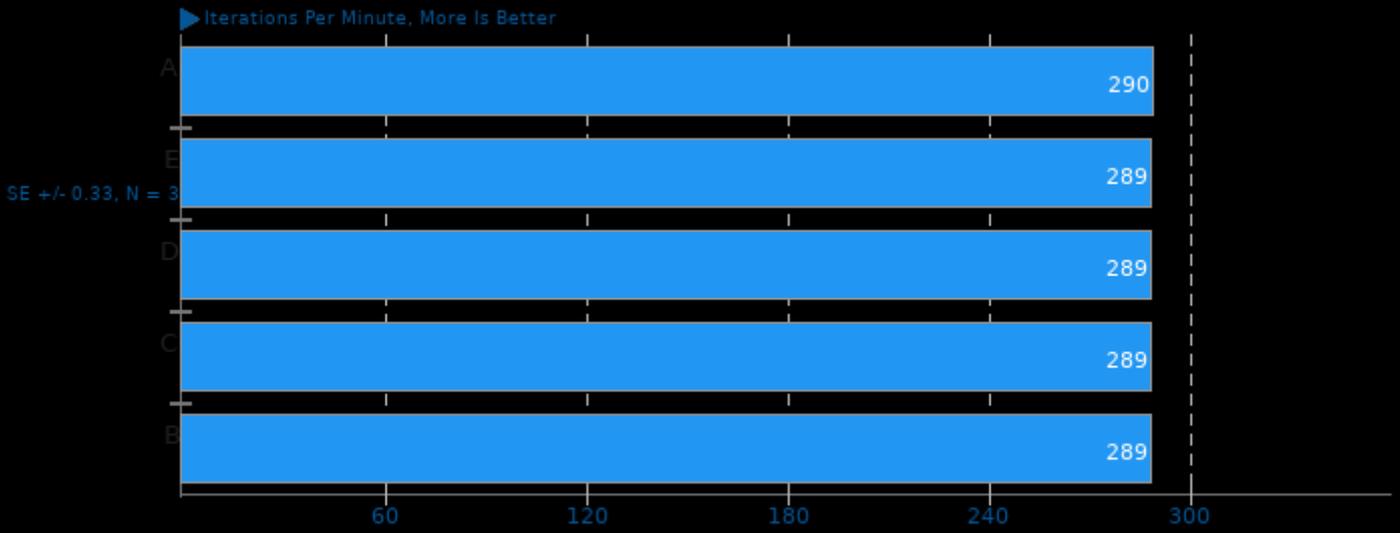
Operation: Resizing



1. (CC) gcc options: -fopenmp -O2 -ljbig -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.38

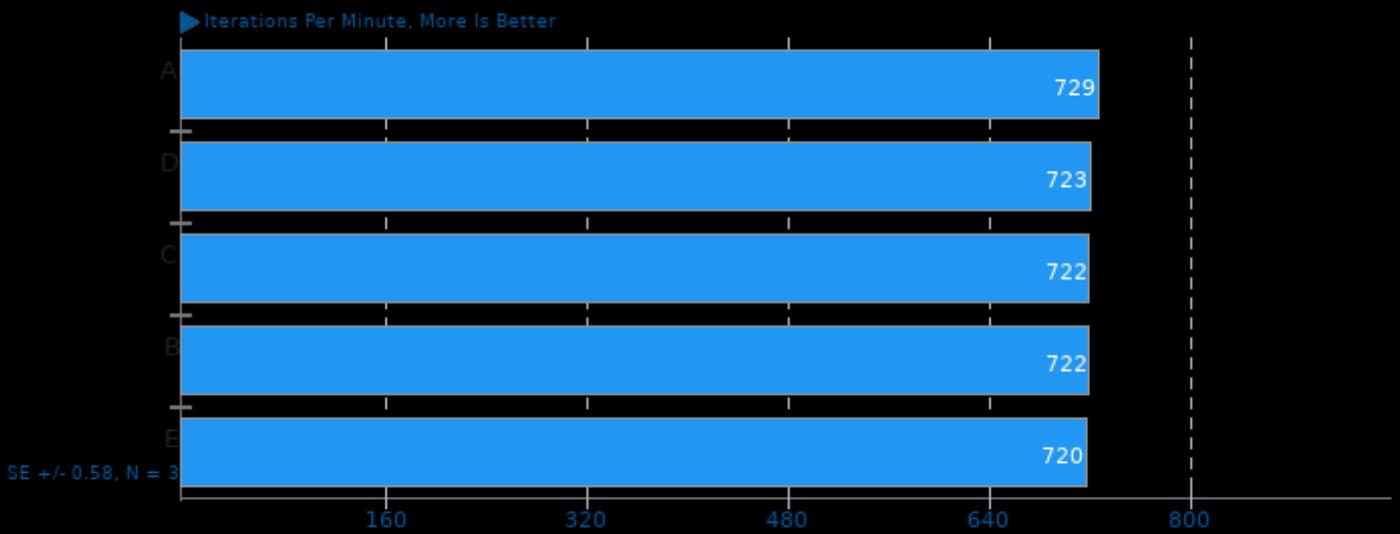
Operation: Noise-Gaussian



1. (CC) gcc options: -fopenmp -O2 -ljbig -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.38

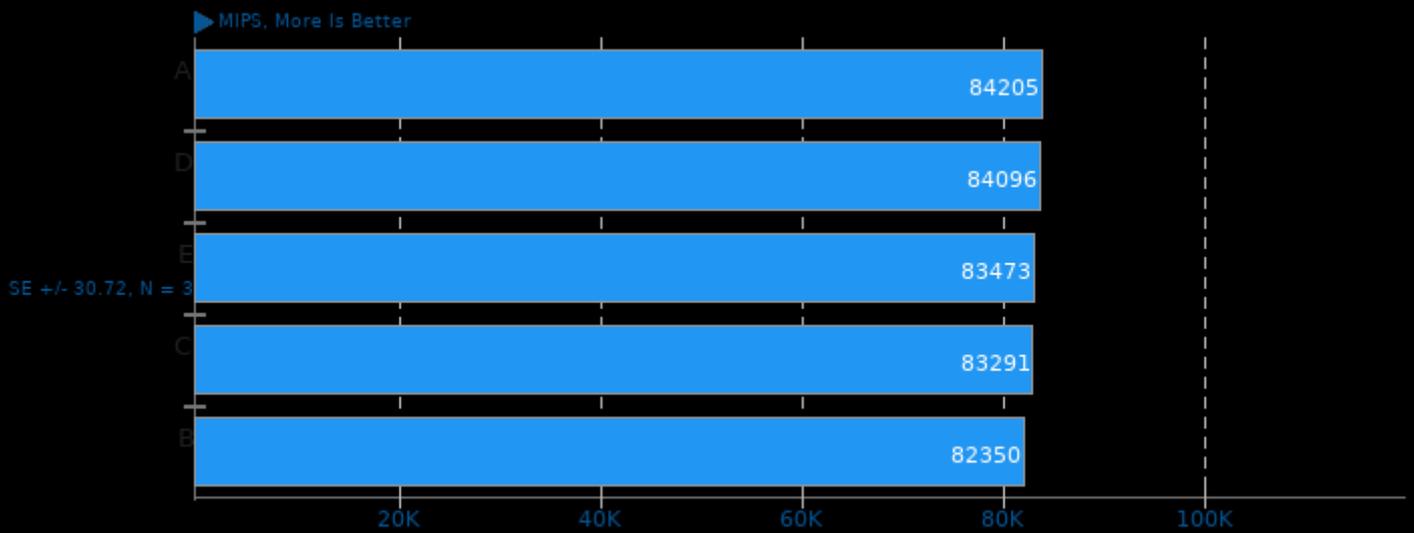
Operation: HWB Color Space



1. (CC) gcc options: -fopenmp -O2 -ljbig -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

7-Zip Compression 22.01

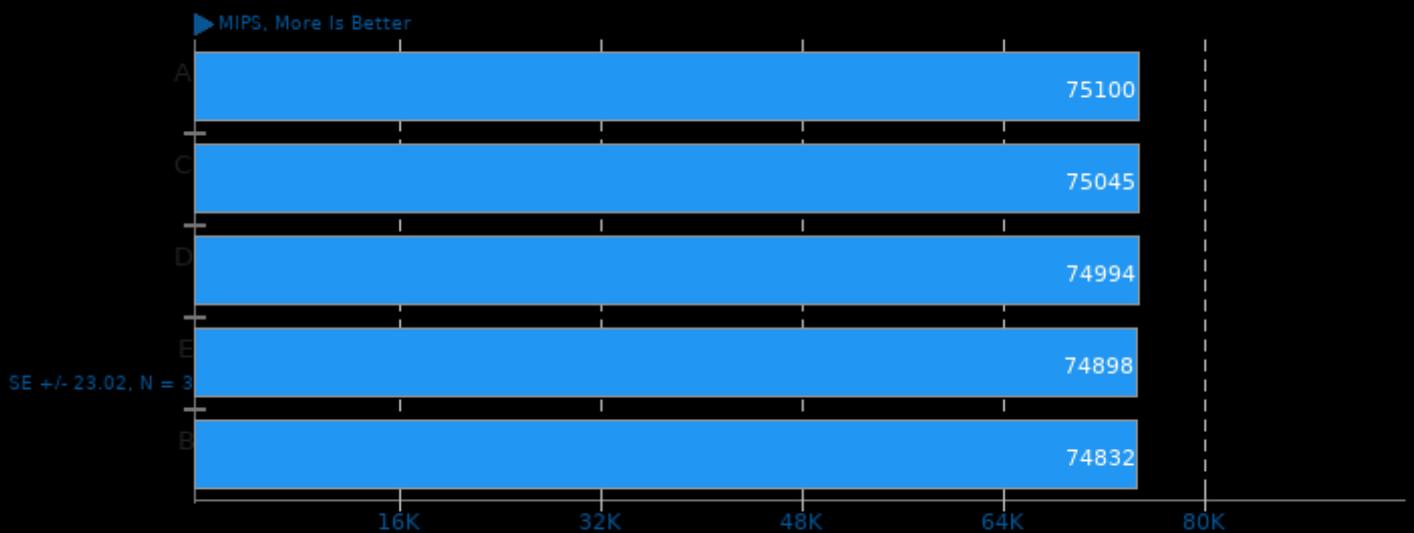
Test: Compression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

7-Zip Compression 22.01

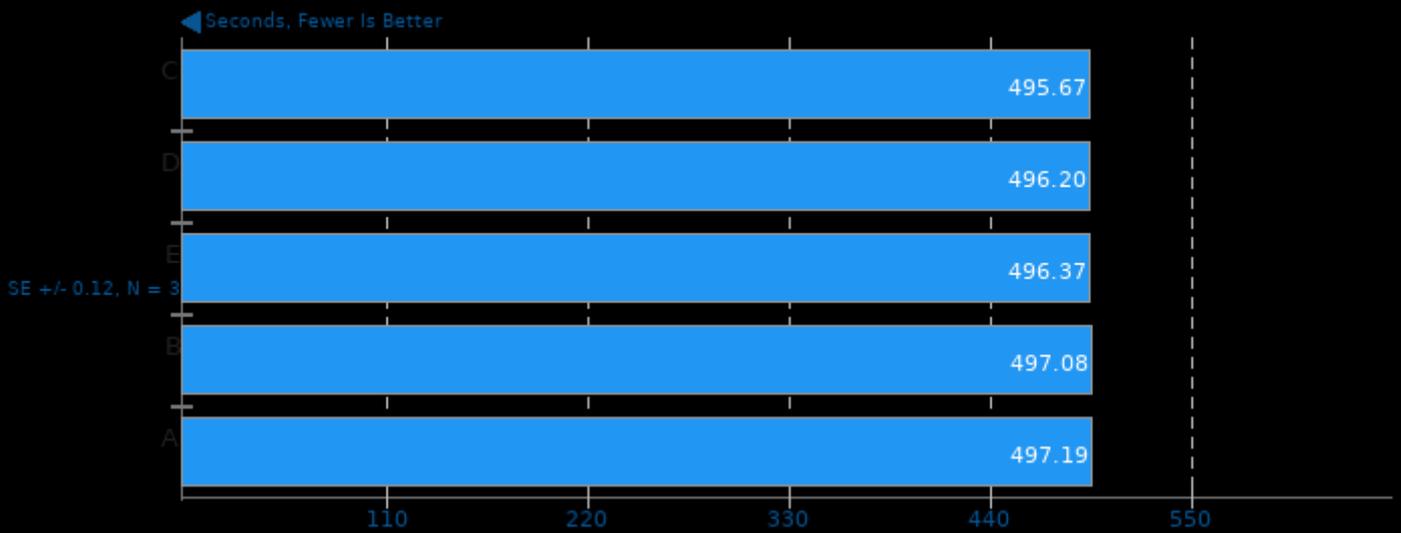
Test: Decompression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

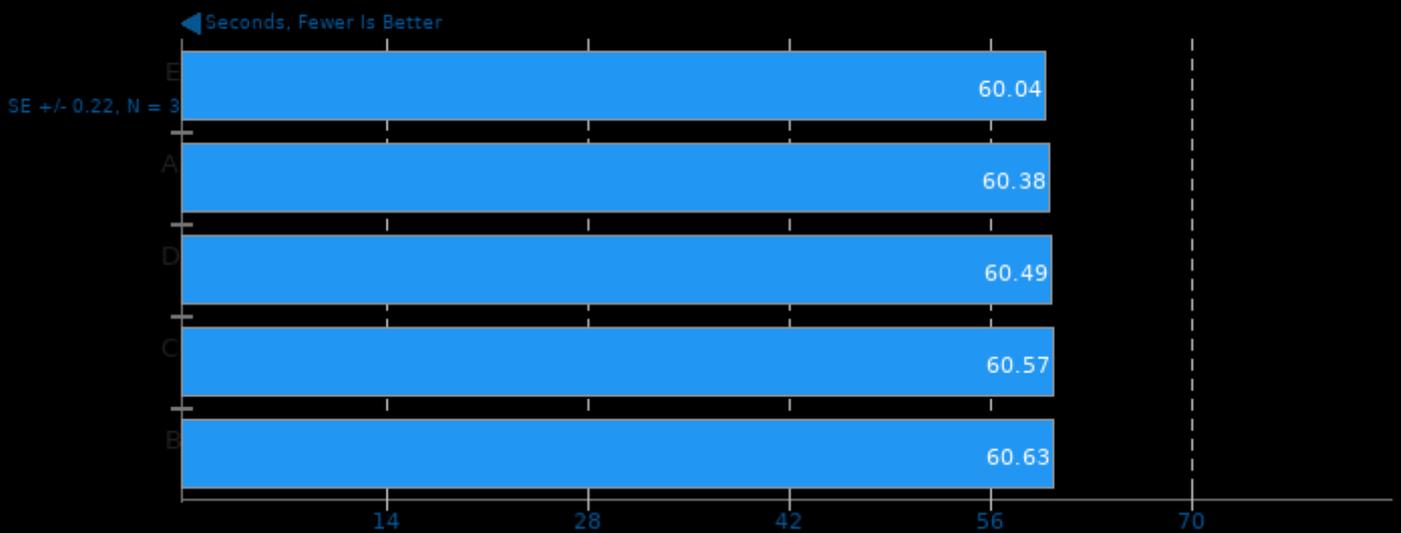
Timed Node.js Compilation 18.8

Time To Compile



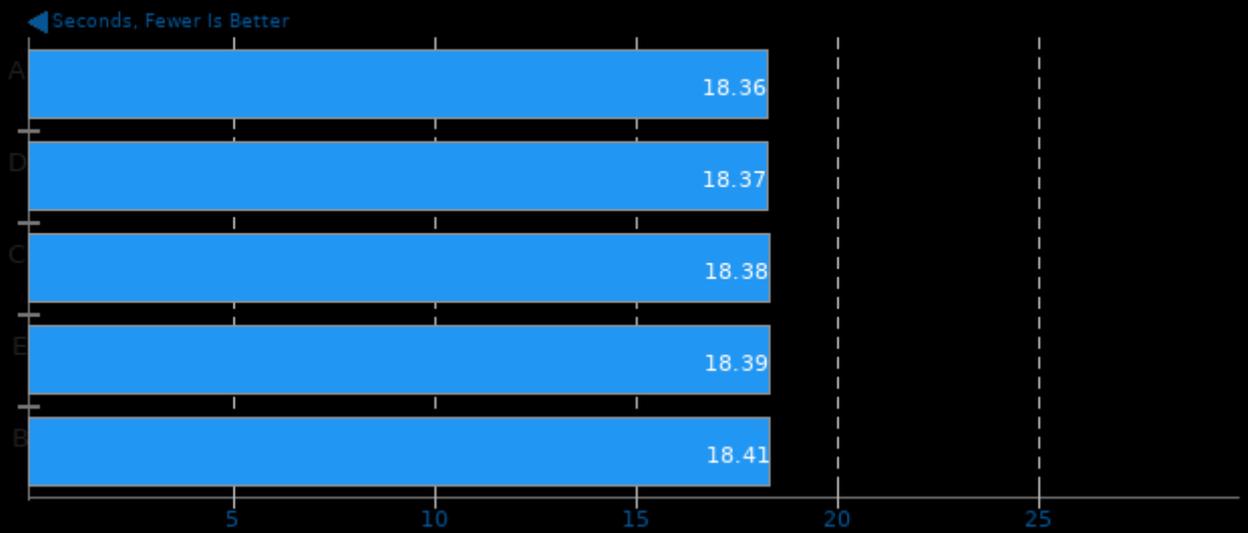
Timed PHP Compilation 8.1.9

Time To Compile



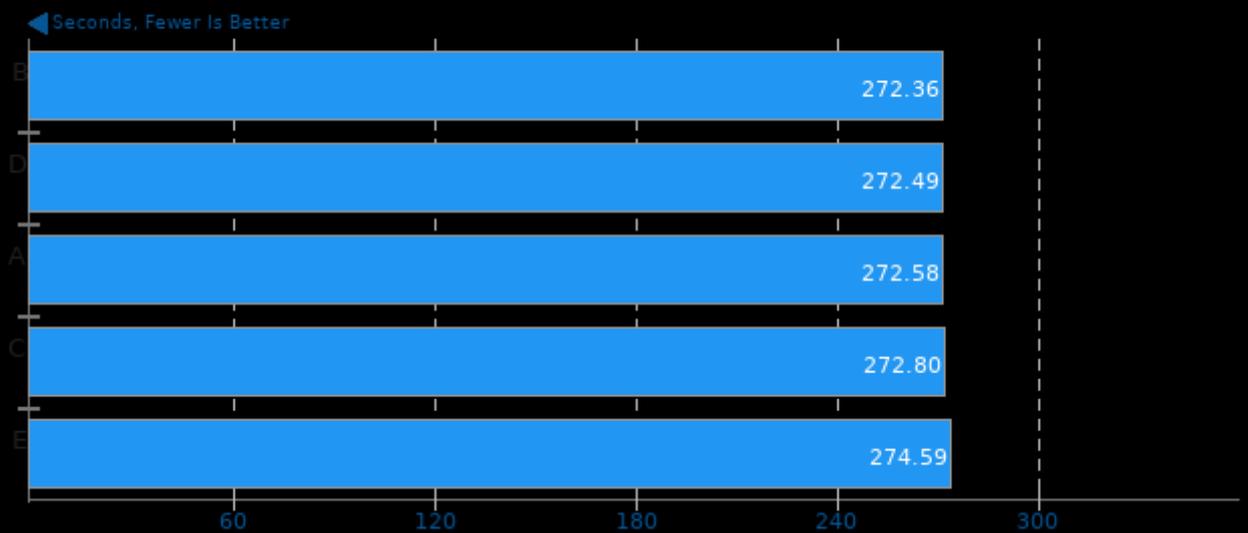
Timed CPython Compilation 3.10.6

Build Configuration: Default



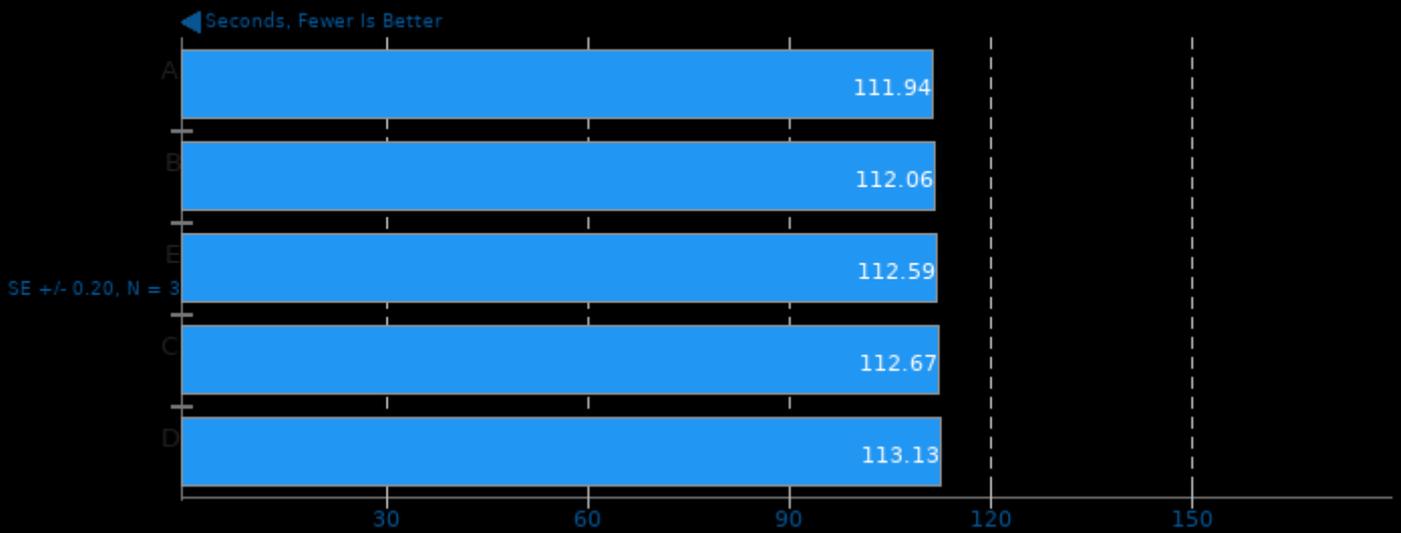
Timed CPython Compilation 3.10.6

Build Configuration: Released Build, PGO + LTO Optimized



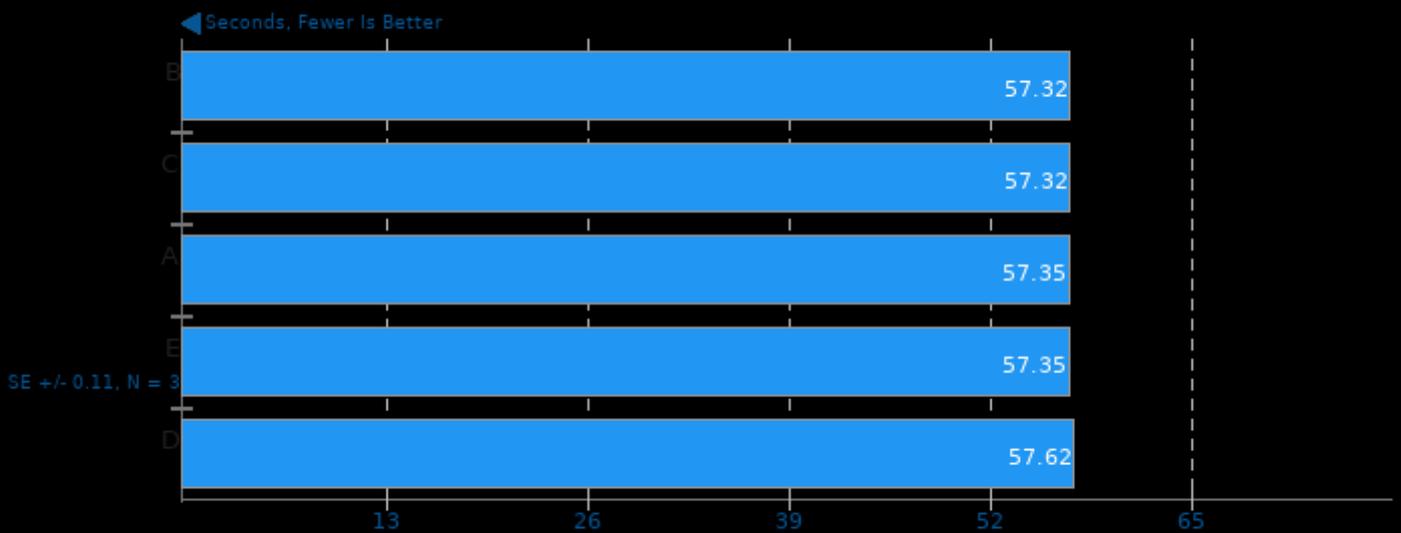
Timed Erlang/OTP Compilation 25.0

Time To Compile



Timed Wasmer Compilation 2.3

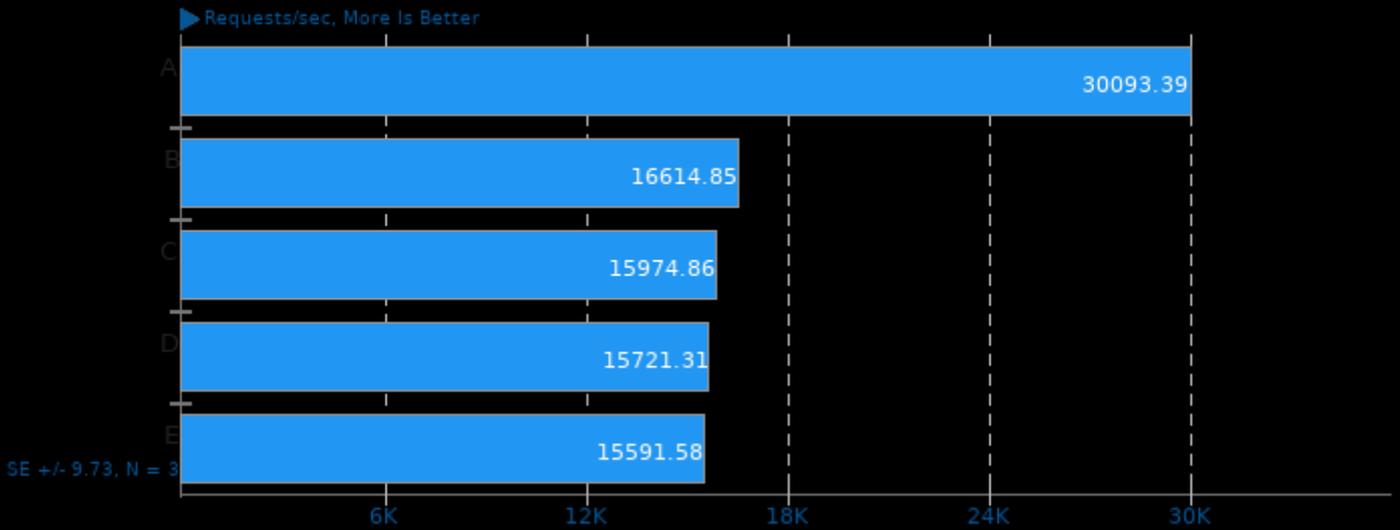
Time To Compile



1. (CC) gcc options: -m64 -ldl -lgcc_s -lutil -lrt -lpthread -lm -lc -pie -nodefaultlibs

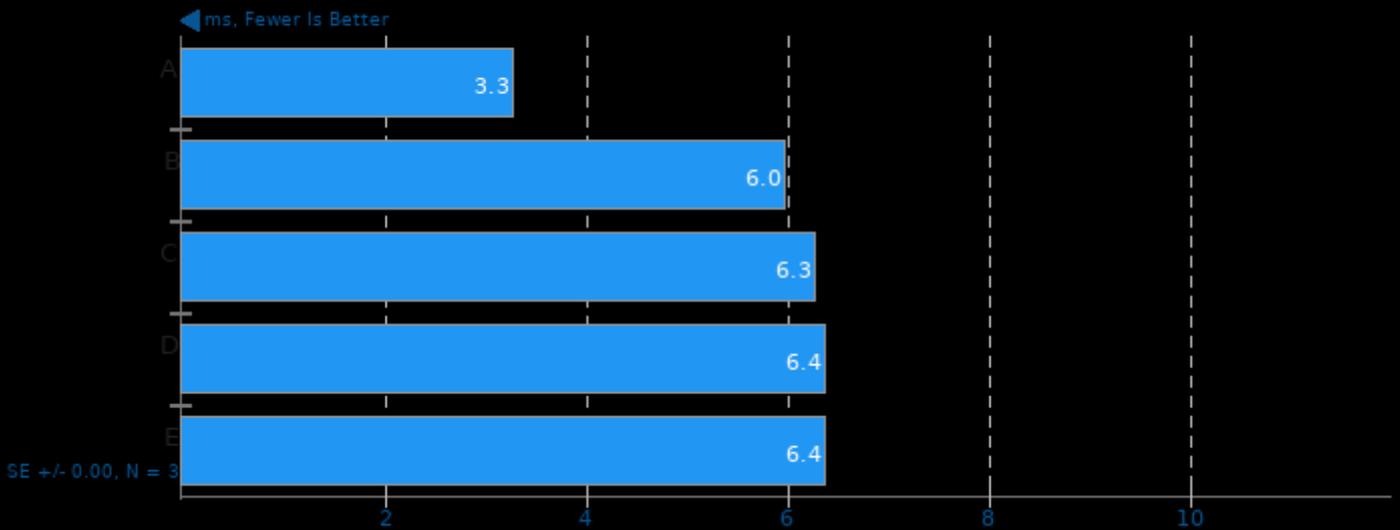
etcd 3.5.4

Test: PUT - Connections: 50 - Clients: 100



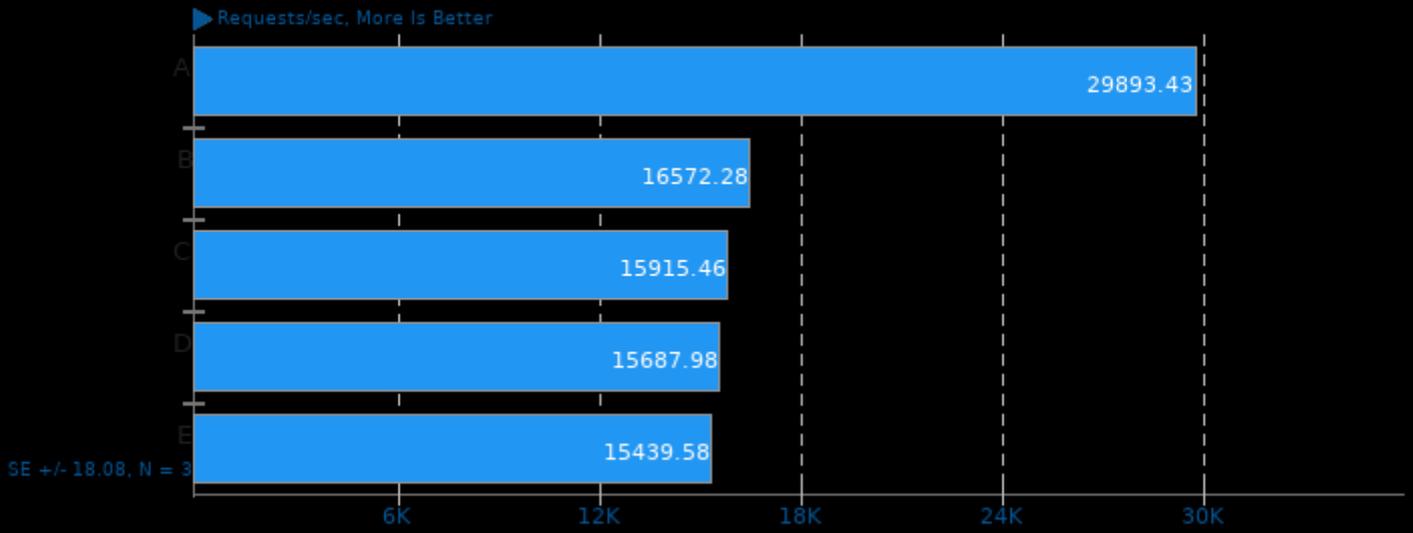
etcd 3.5.4

Test: PUT - Connections: 50 - Clients: 100 - Average Latency



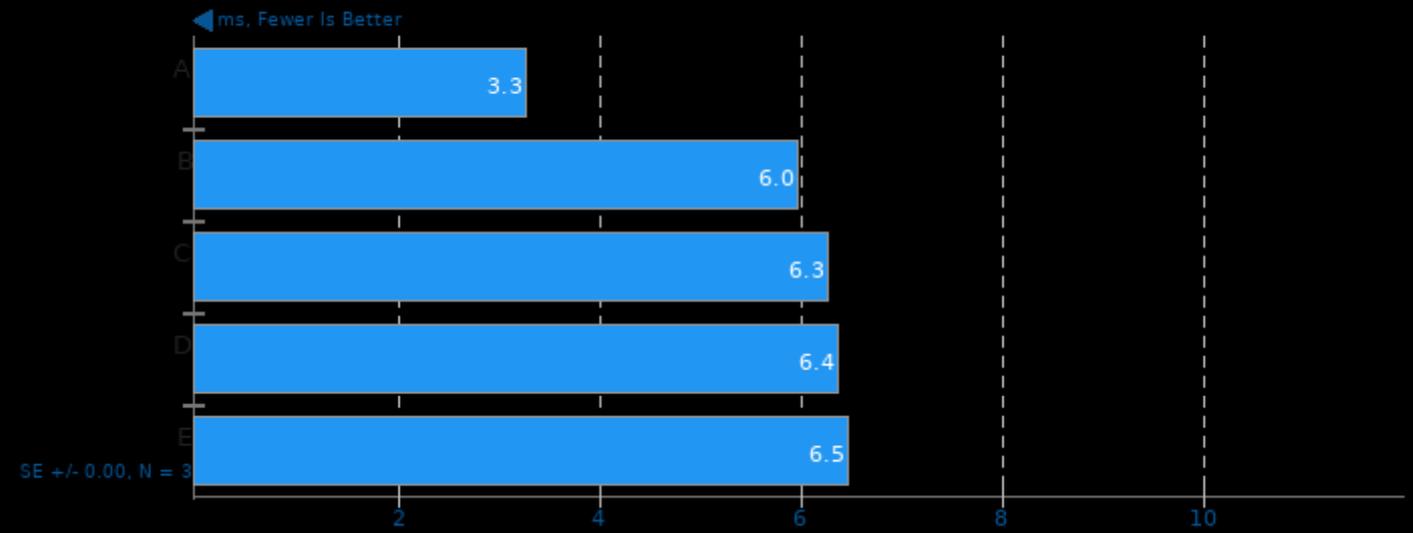
etcd 3.5.4

Test: PUT - Connections: 100 - Clients: 100



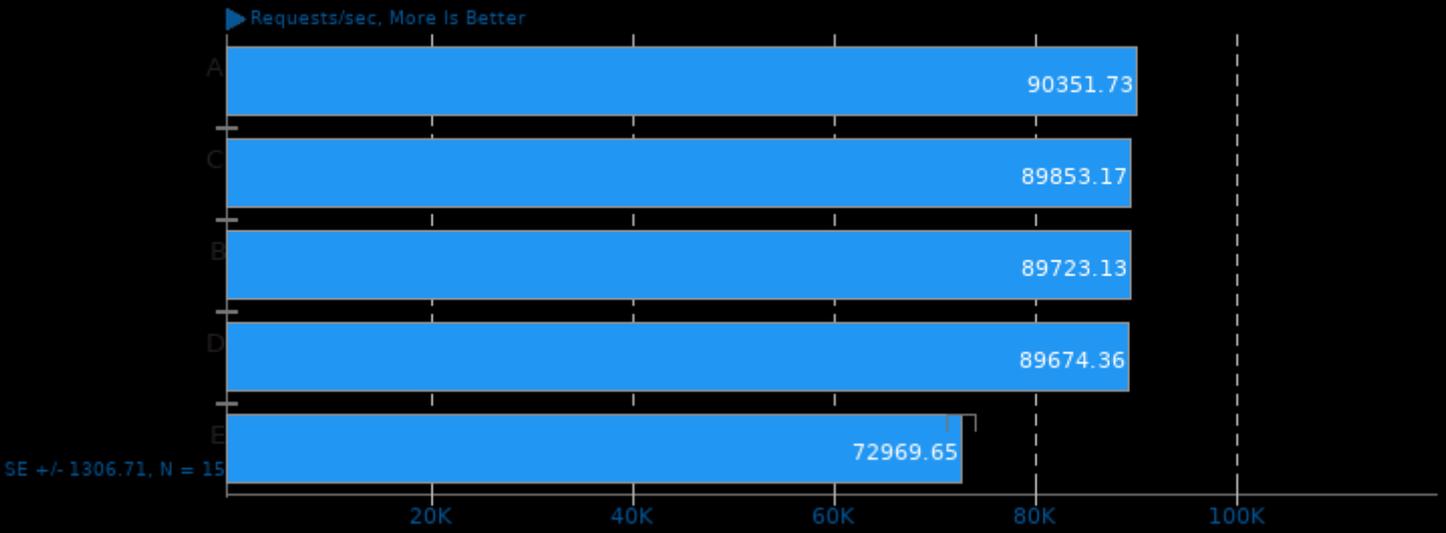
etcd 3.5.4

Test: PUT - Connections: 100 - Clients: 100 - Average Latency



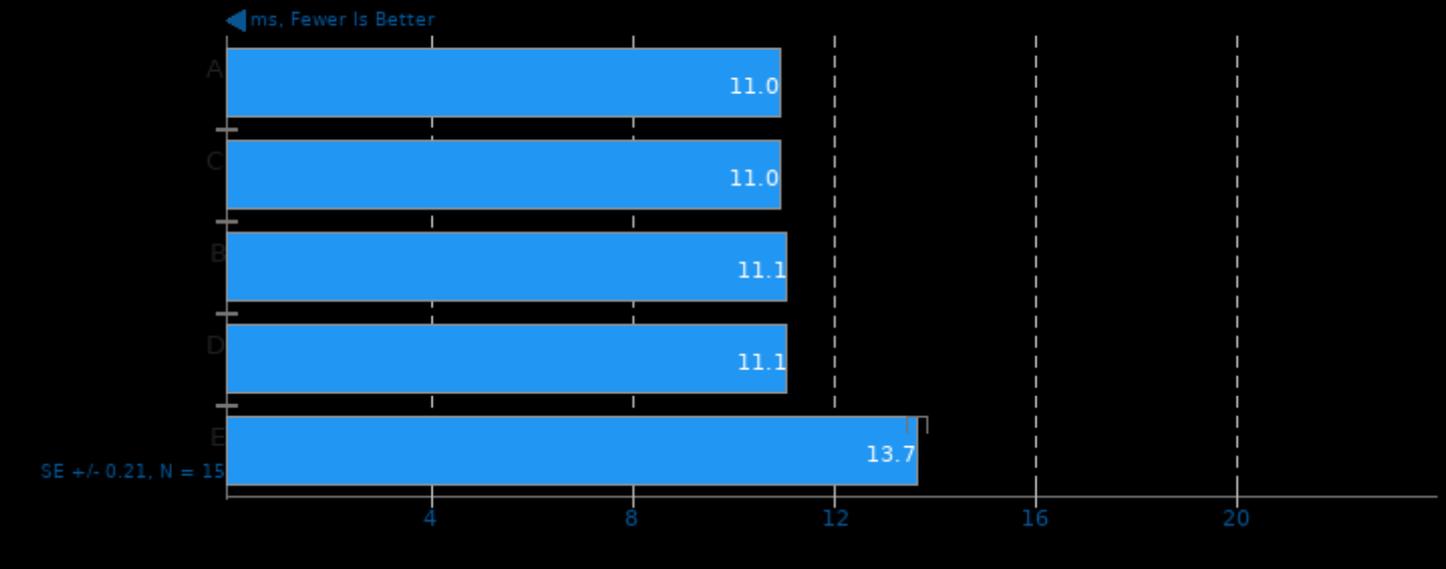
etcd 3.5.4

Test: PUT - Connections: 50 - Clients: 1000



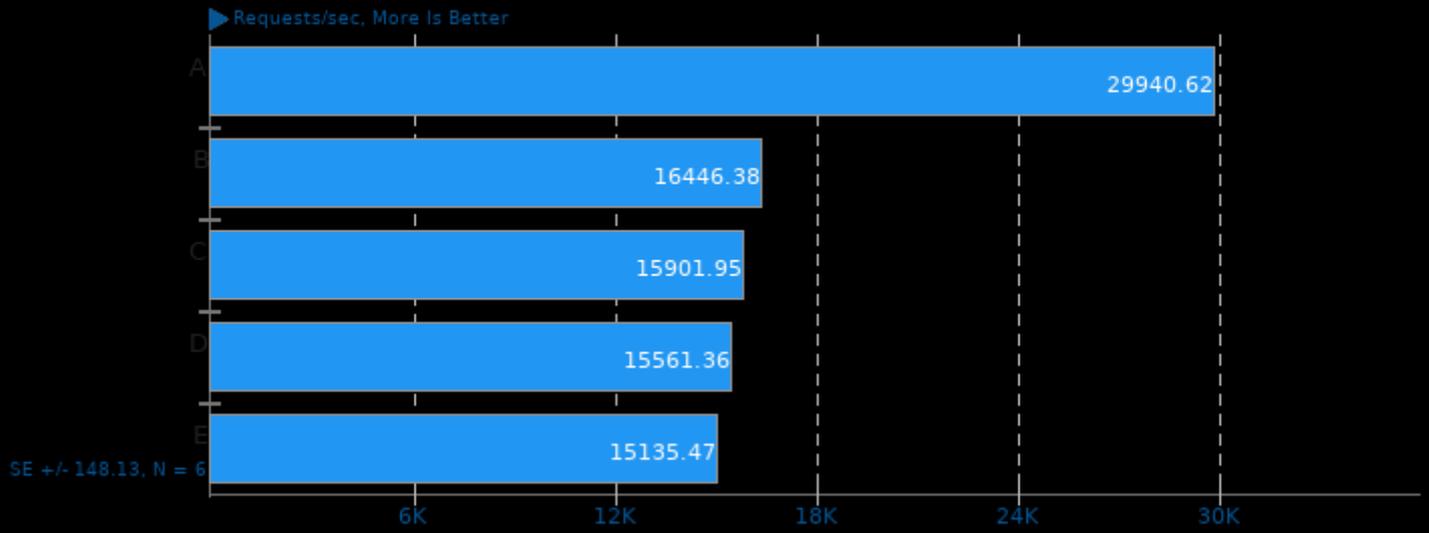
etcd 3.5.4

Test: PUT - Connections: 50 - Clients: 1000 - Average Latency



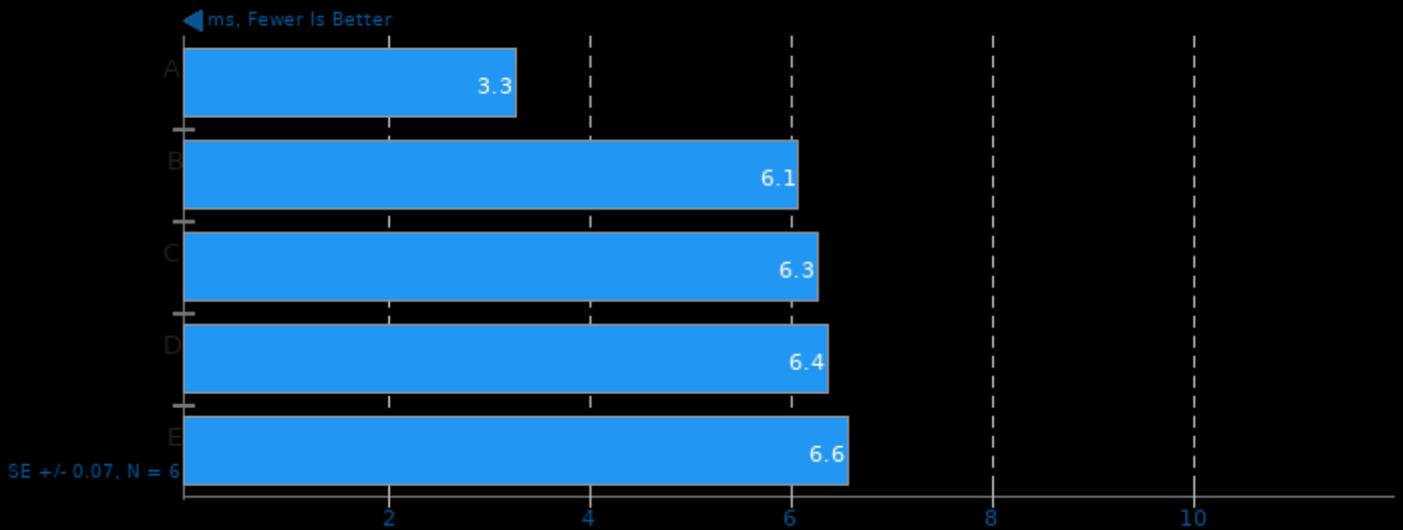
etcd 3.5.4

Test: PUT - Connections: 500 - Clients: 100



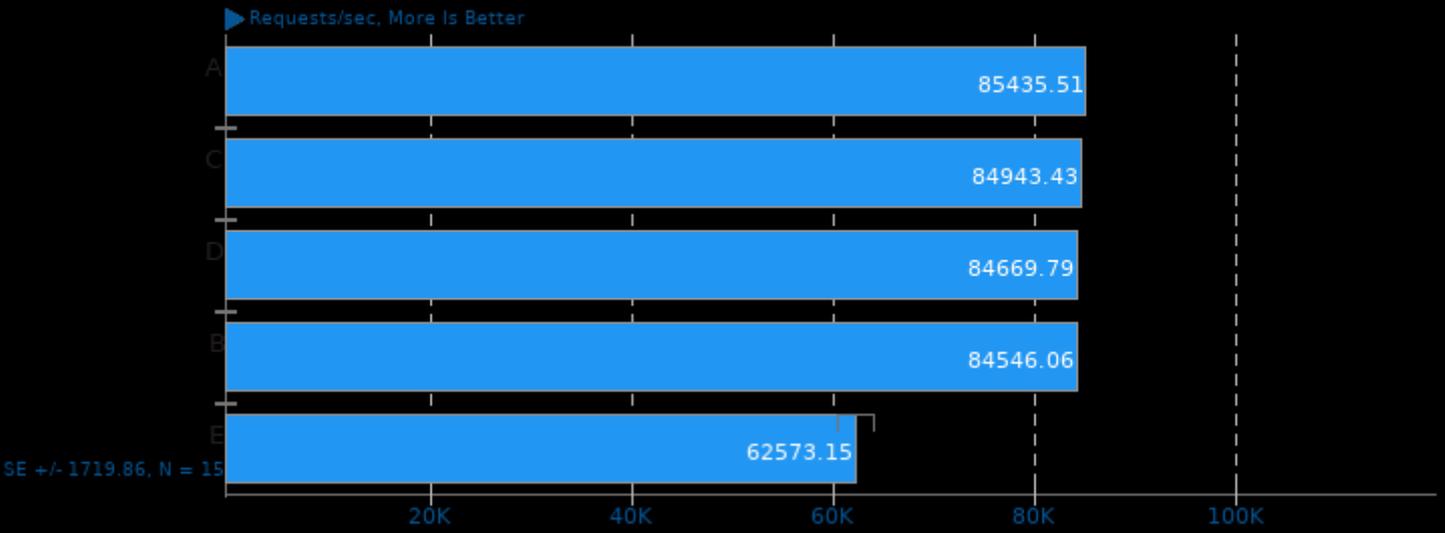
etcd 3.5.4

Test: PUT - Connections: 500 - Clients: 100 - Average Latency



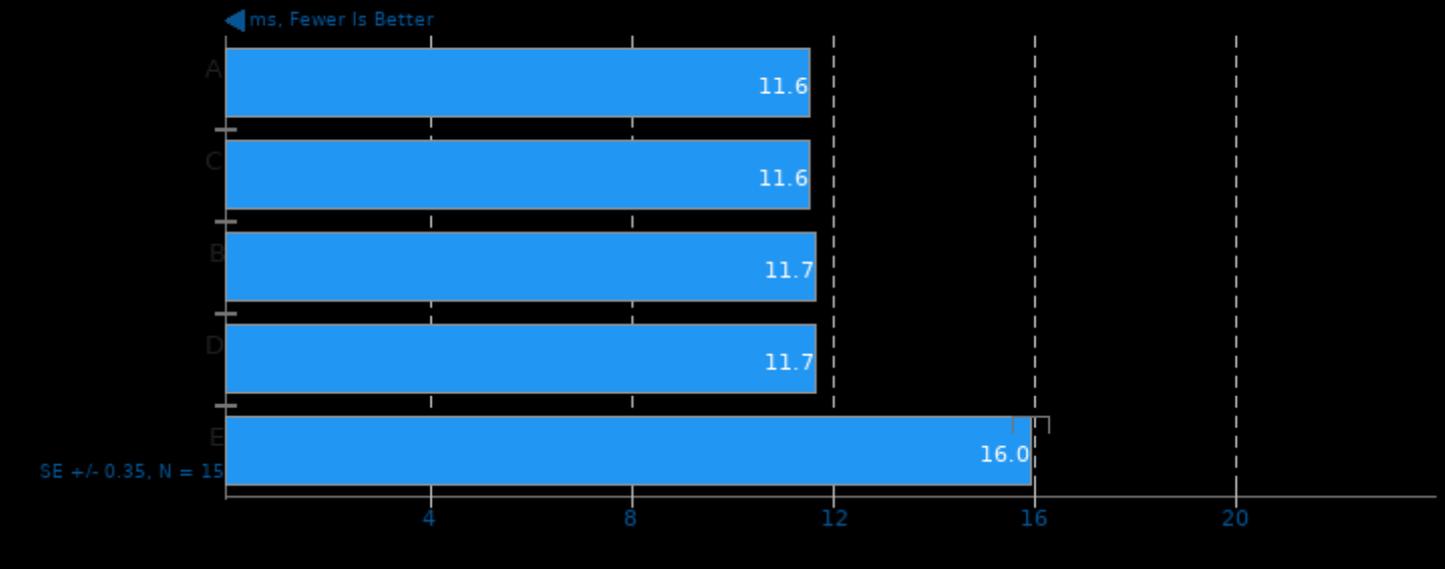
etcd 3.5.4

Test: PUT - Connections: 100 - Clients: 1000



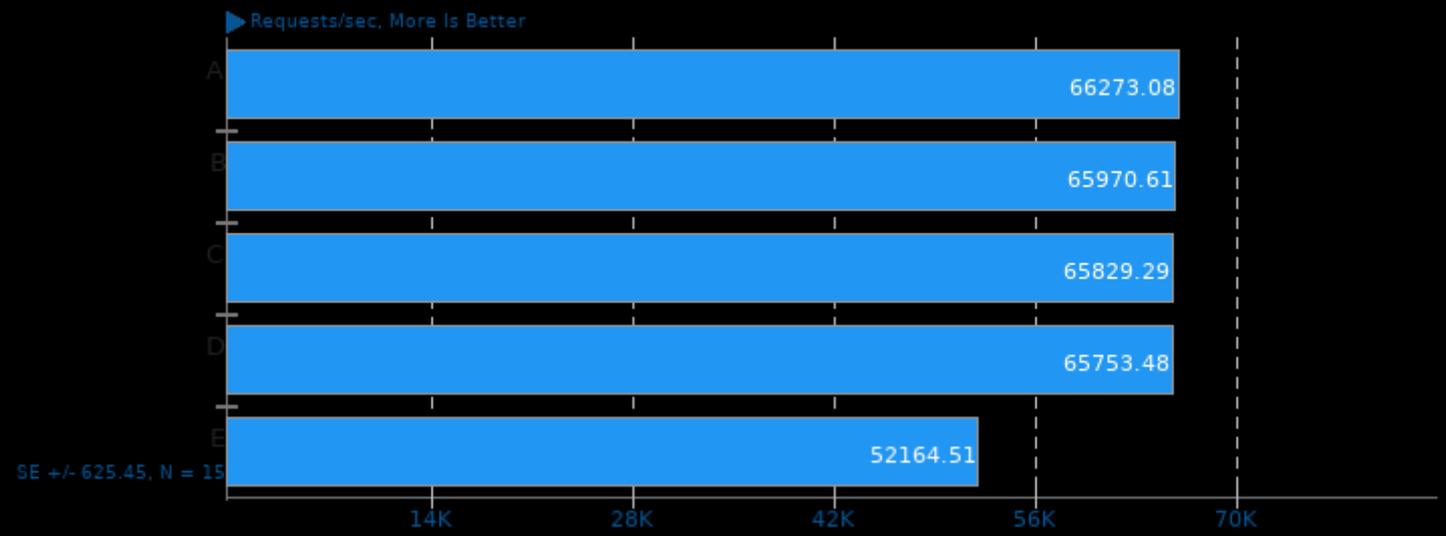
etcd 3.5.4

Test: PUT - Connections: 100 - Clients: 1000 - Average Latency



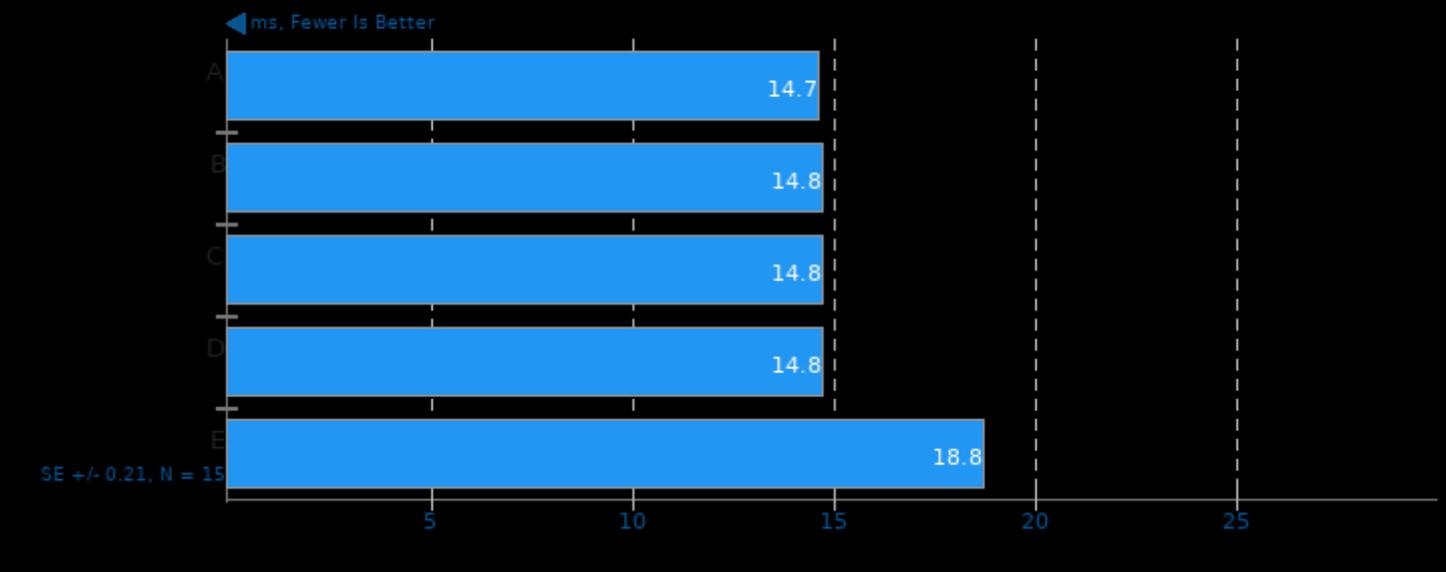
etcd 3.5.4

Test: PUT - Connections: 500 - Clients: 1000



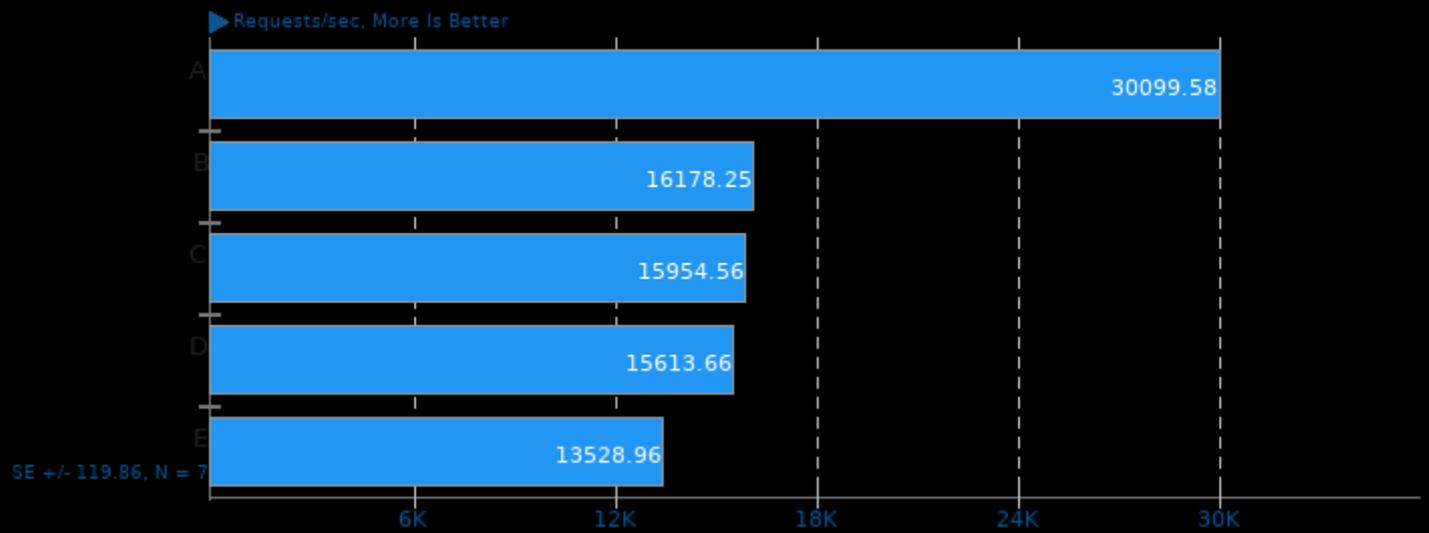
etcd 3.5.4

Test: PUT - Connections: 500 - Clients: 1000 - Average Latency



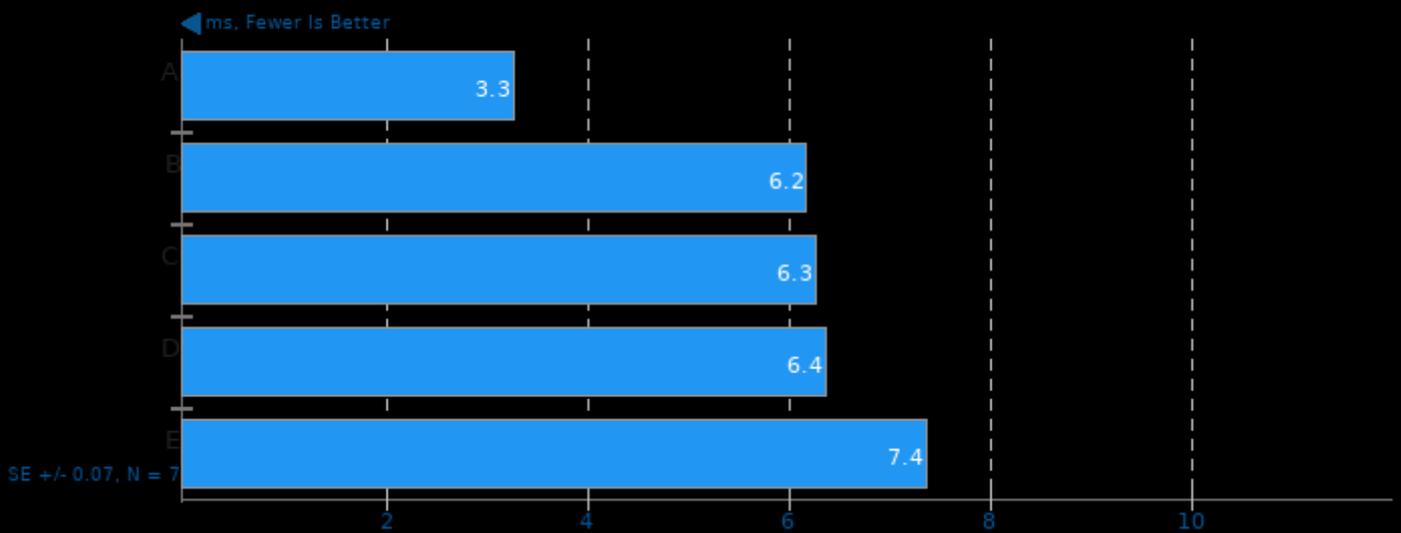
etcd 3.5.4

Test: RANGE - Connections: 50 - Clients: 100



etcd 3.5.4

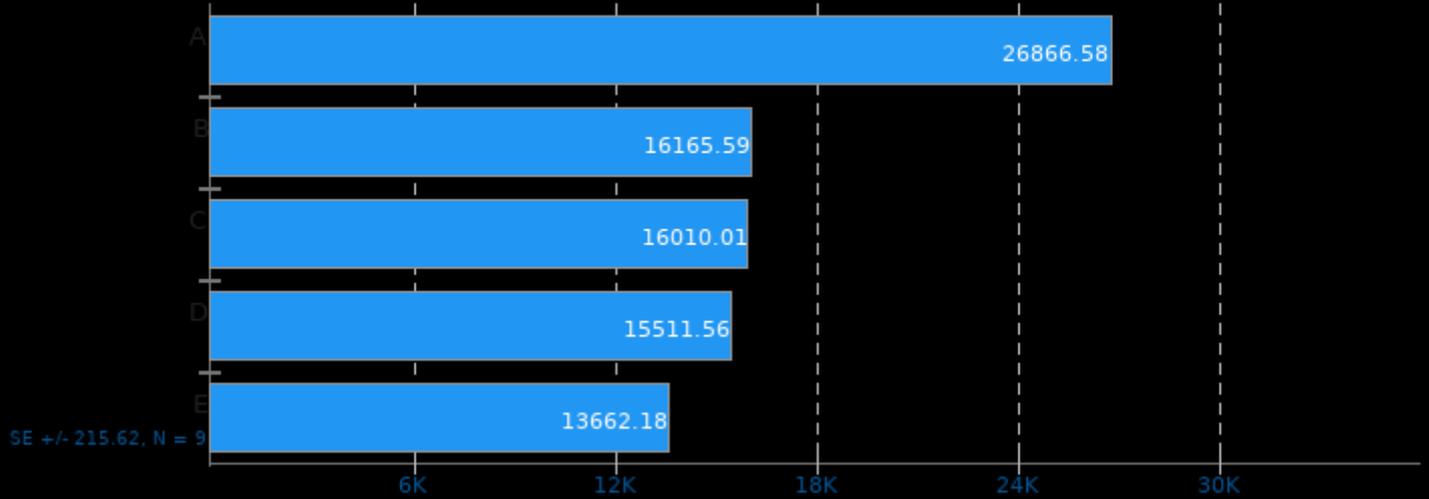
Test: RANGE - Connections: 50 - Clients: 100 - Average Latency



etcd 3.5.4

Test: RANGE - Connections: 100 - Clients: 100

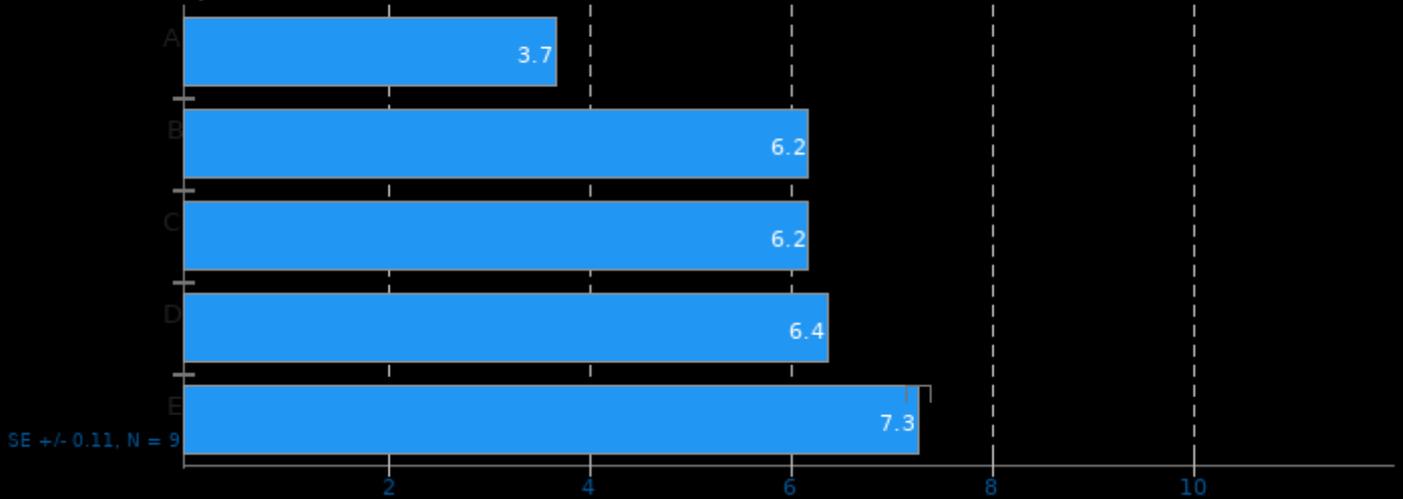
▶ Requests/sec, More Is Better



etcd 3.5.4

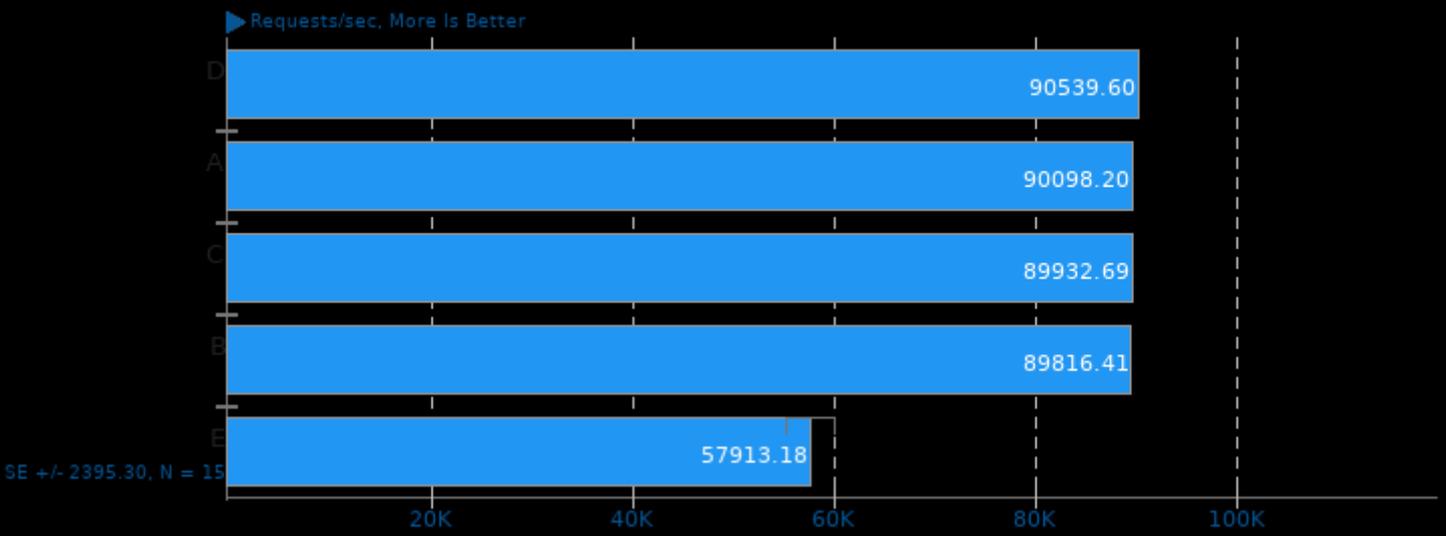
Test: RANGE - Connections: 100 - Clients: 100 - Average Latency

◀ ms, Fewer Is Better



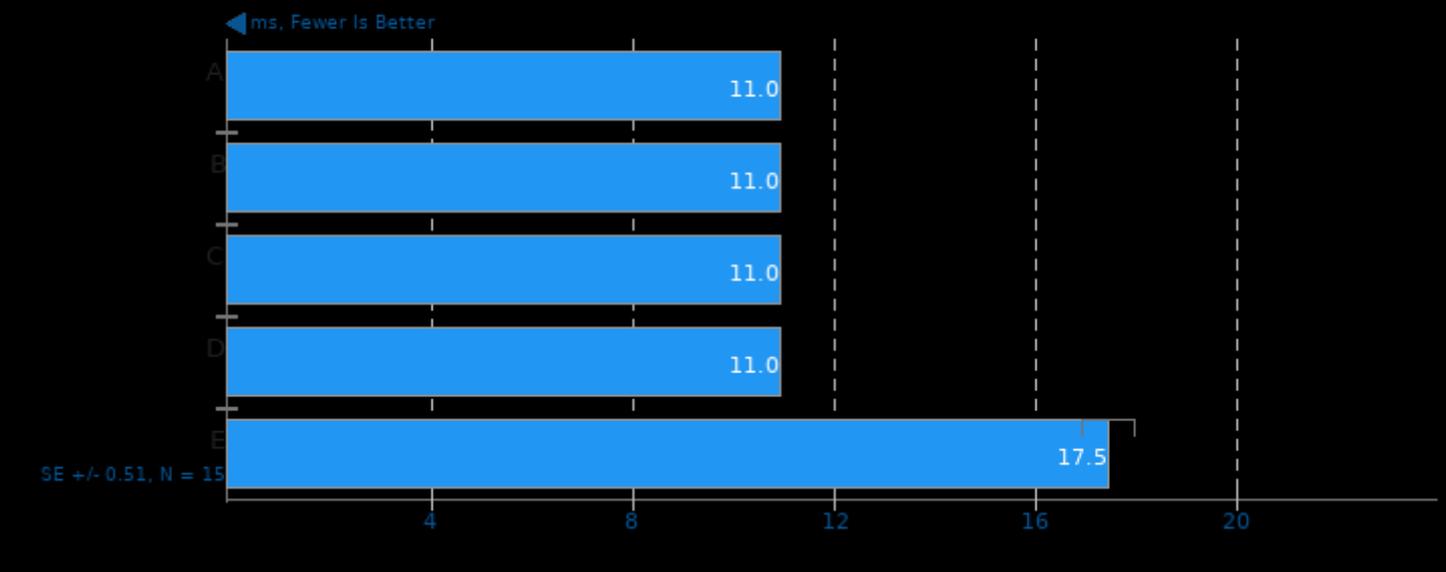
etcd 3.5.4

Test: RANGE - Connections: 50 - Clients: 1000



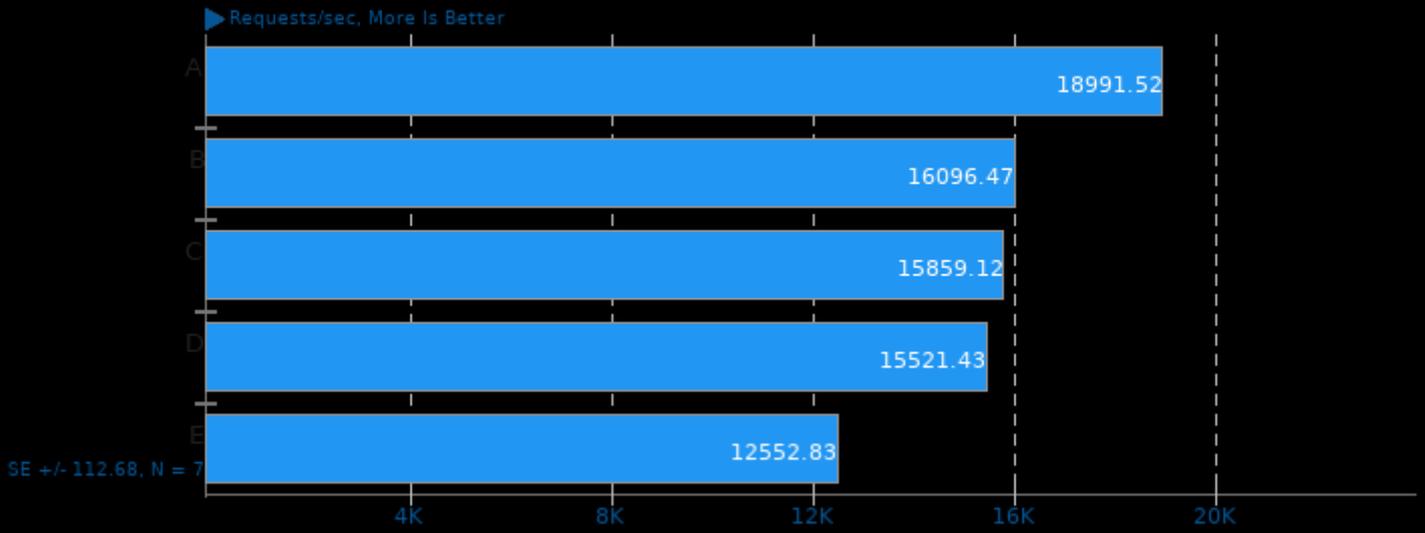
etcd 3.5.4

Test: RANGE - Connections: 50 - Clients: 1000 - Average Latency



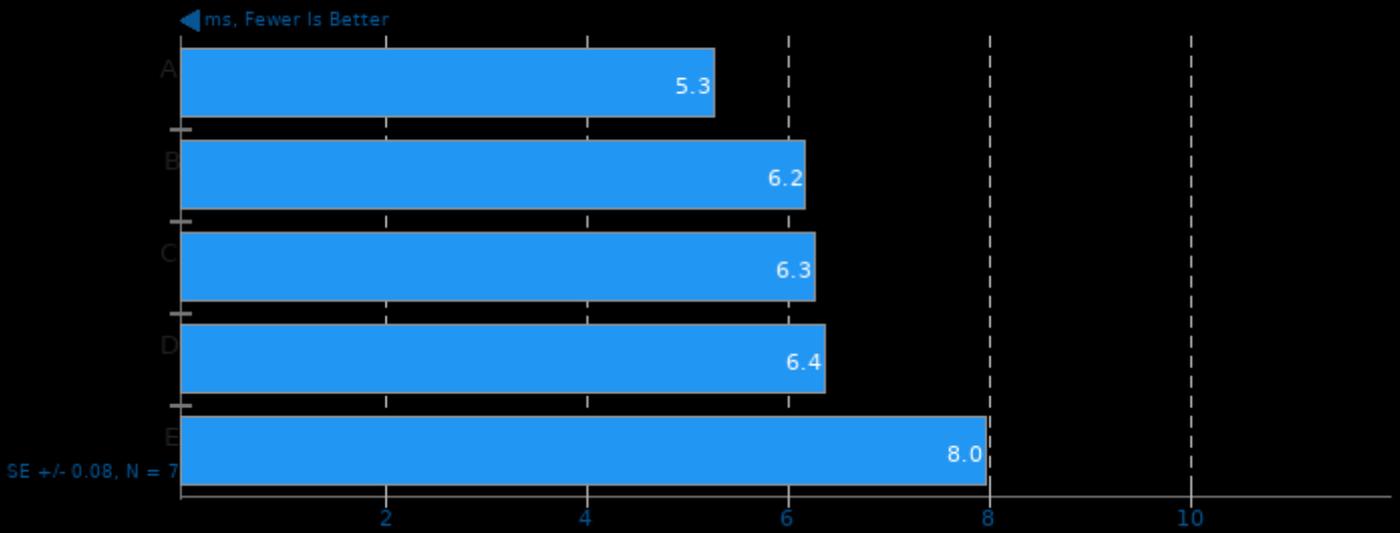
etcd 3.5.4

Test: RANGE - Connections: 500 - Clients: 100



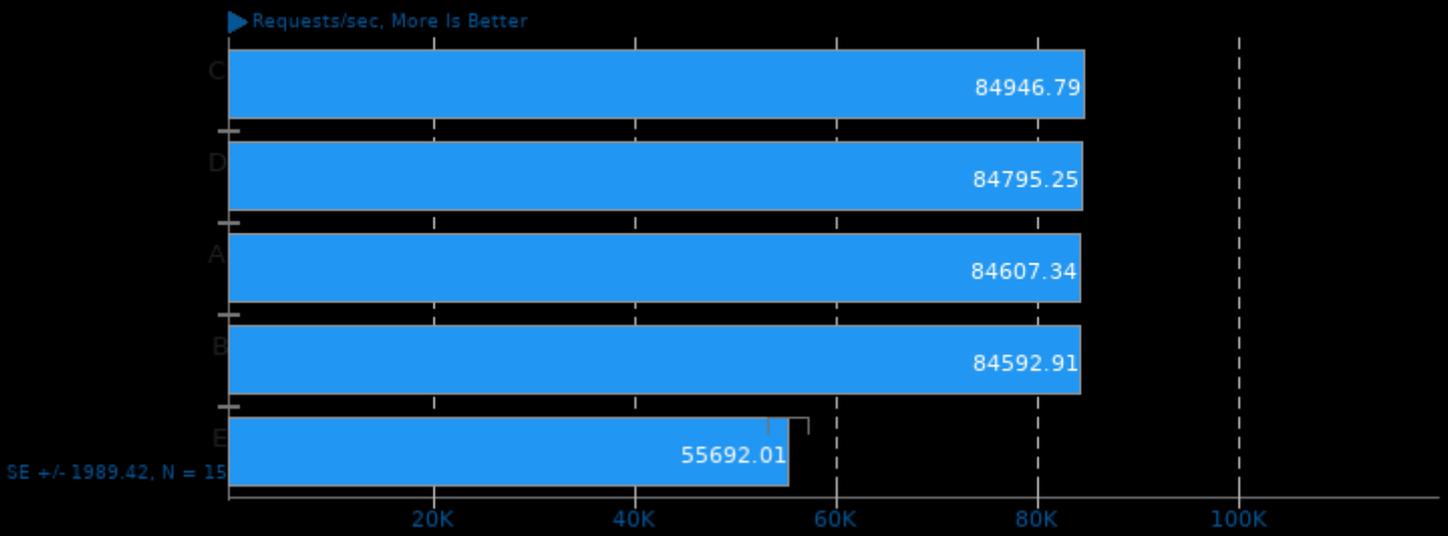
etcd 3.5.4

Test: RANGE - Connections: 500 - Clients: 100 - Average Latency



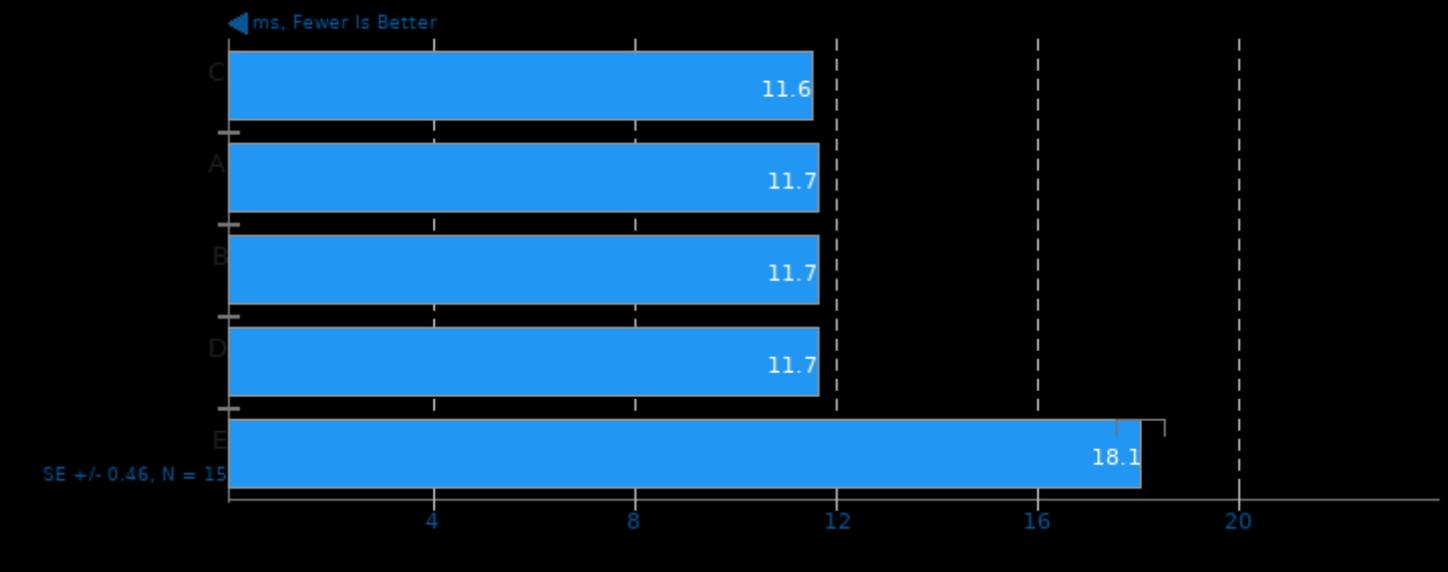
etcd 3.5.4

Test: RANGE - Connections: 100 - Clients: 1000



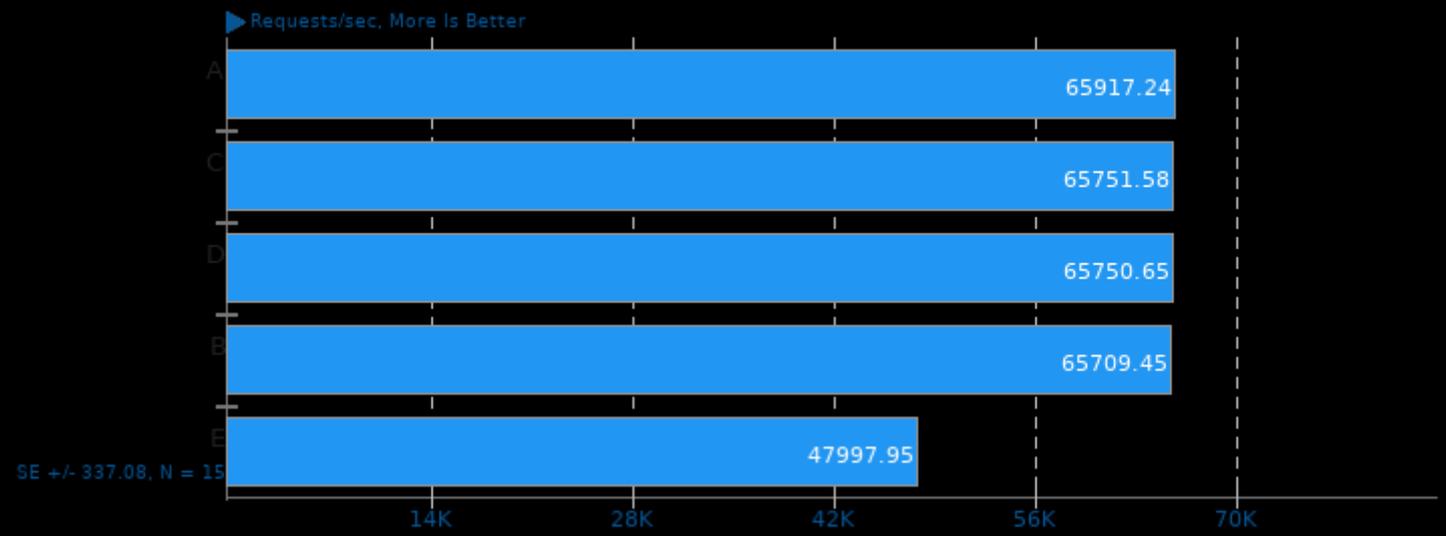
etcd 3.5.4

Test: RANGE - Connections: 100 - Clients: 1000 - Average Latency



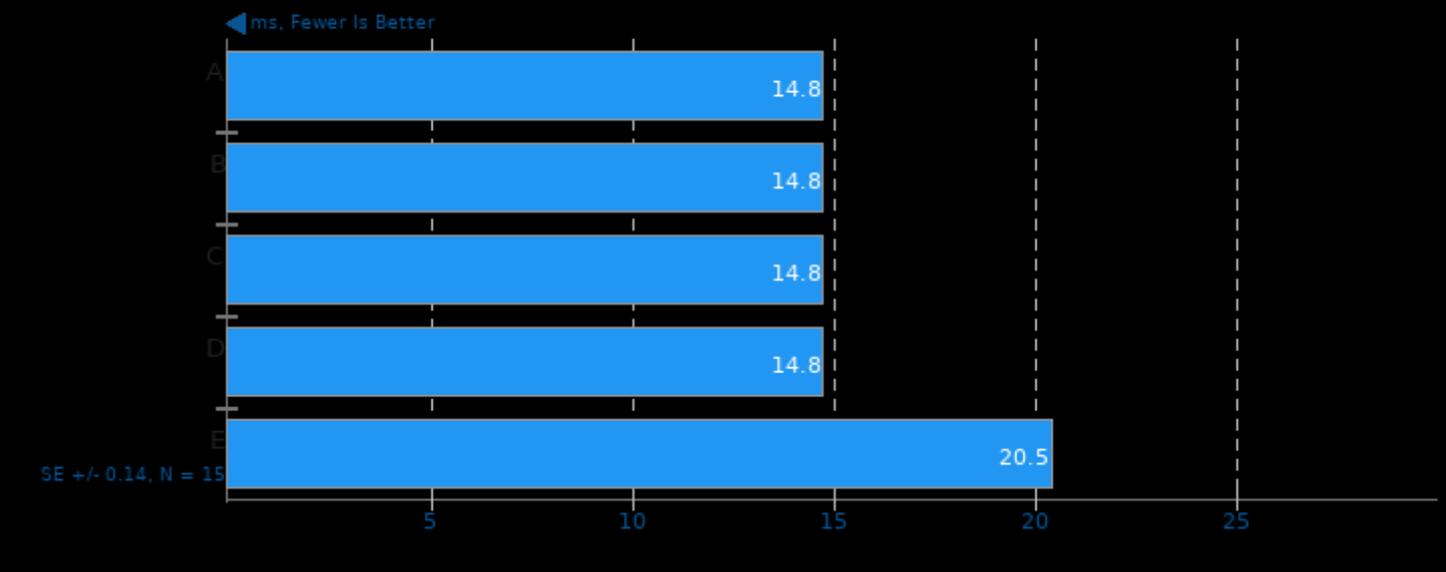
etcd 3.5.4

Test: RANGE - Connections: 500 - Clients: 1000



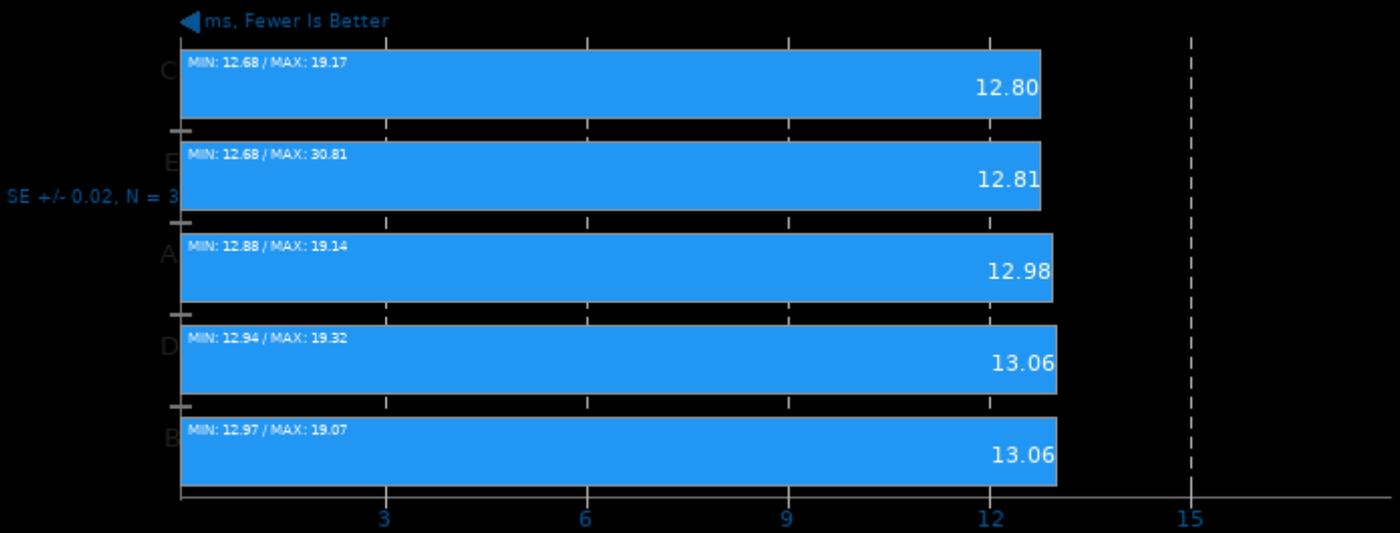
etcd 3.5.4

Test: RANGE - Connections: 500 - Clients: 1000 - Average Latency



Mobile Neural Network 2.1

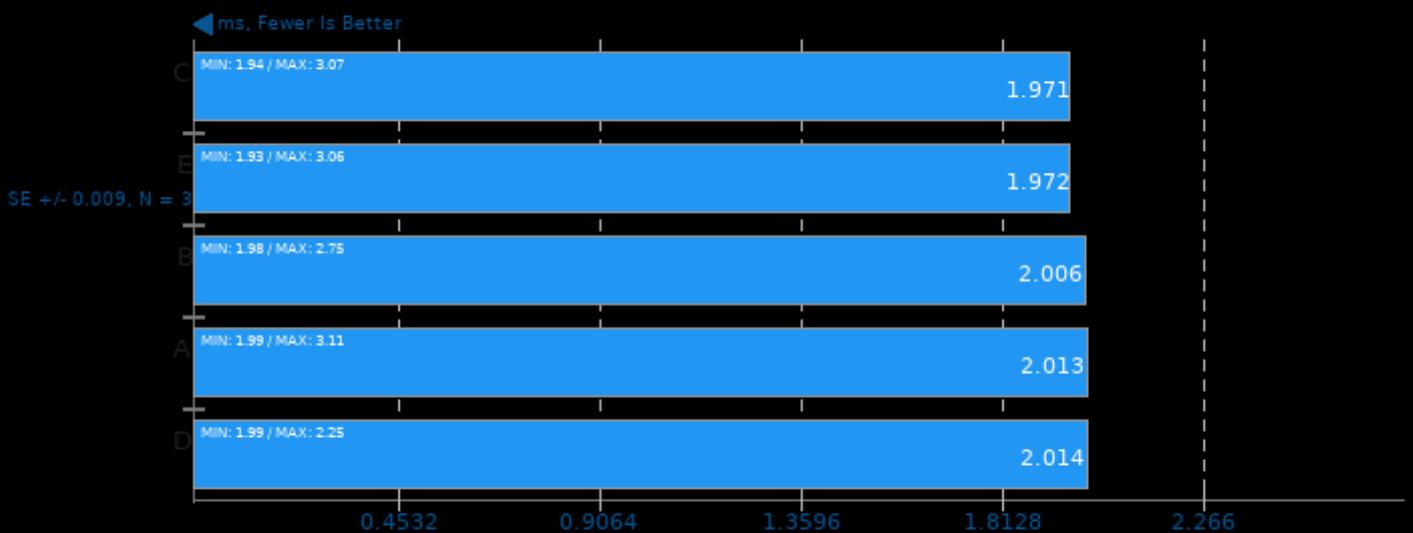
Model: nasnet



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-

Mobile Neural Network 2.1

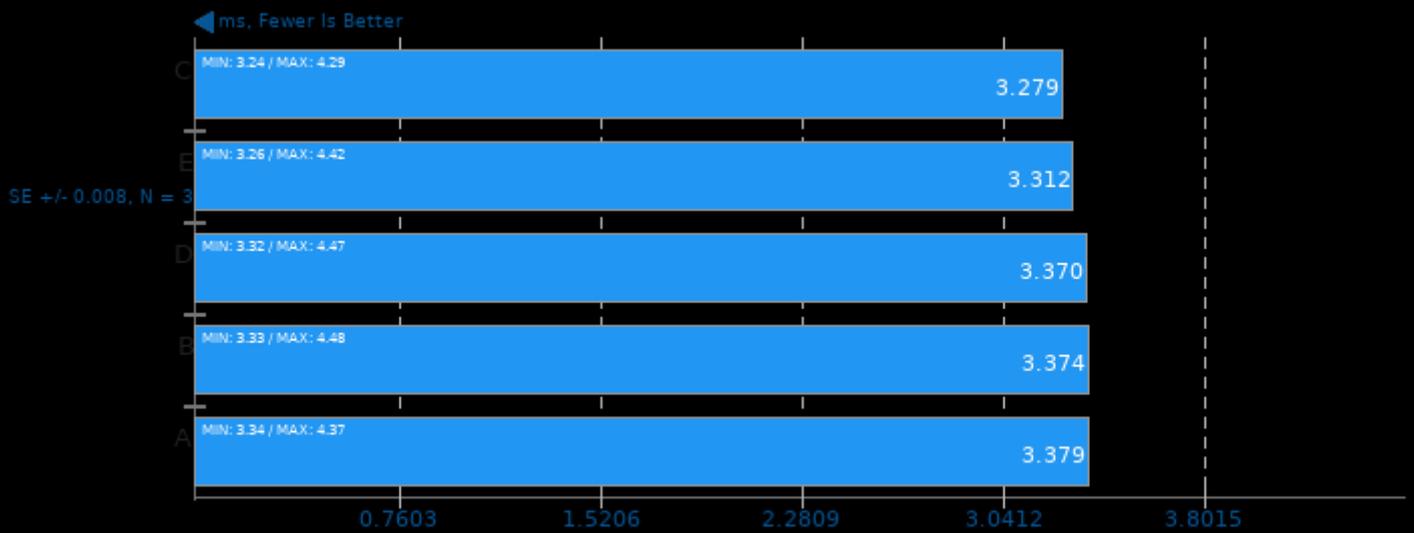
Model: mobilenetv3



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-

Mobile Neural Network 2.1

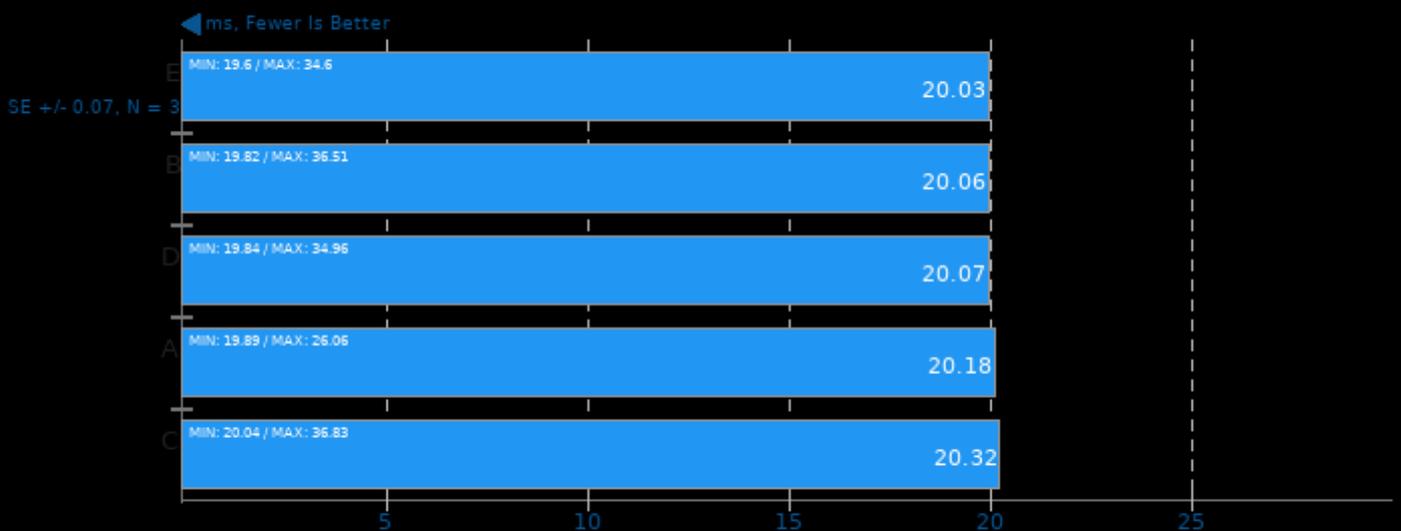
Model: squeezenetv1.1



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-

Mobile Neural Network 2.1

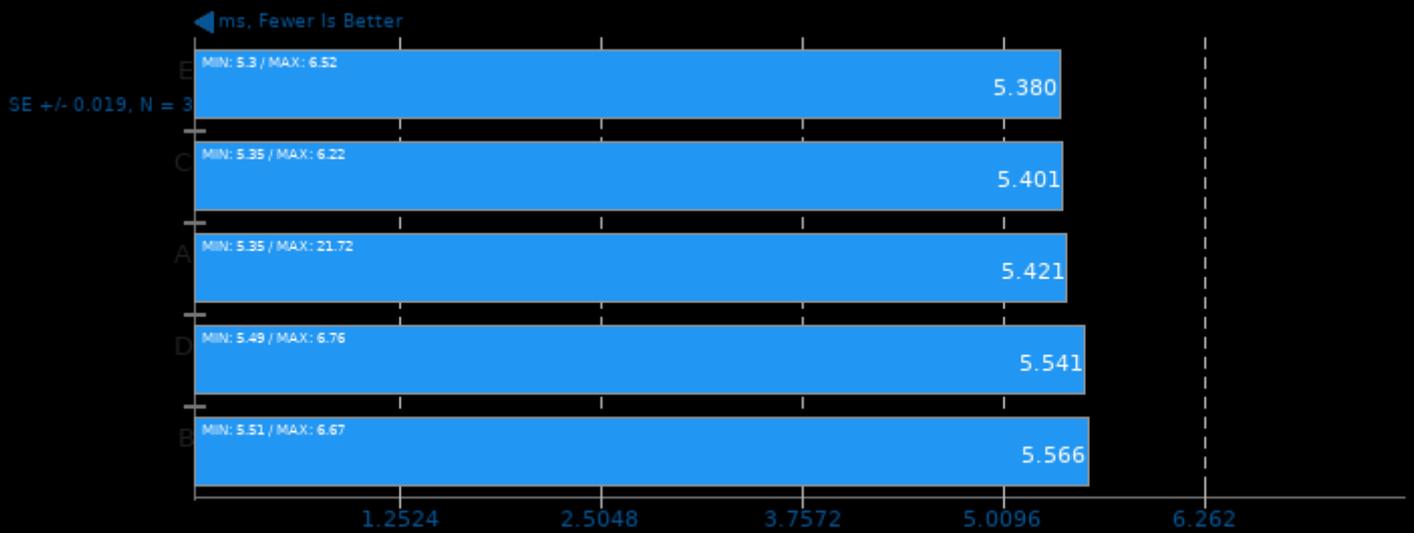
Model: resnet-v2-50



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-

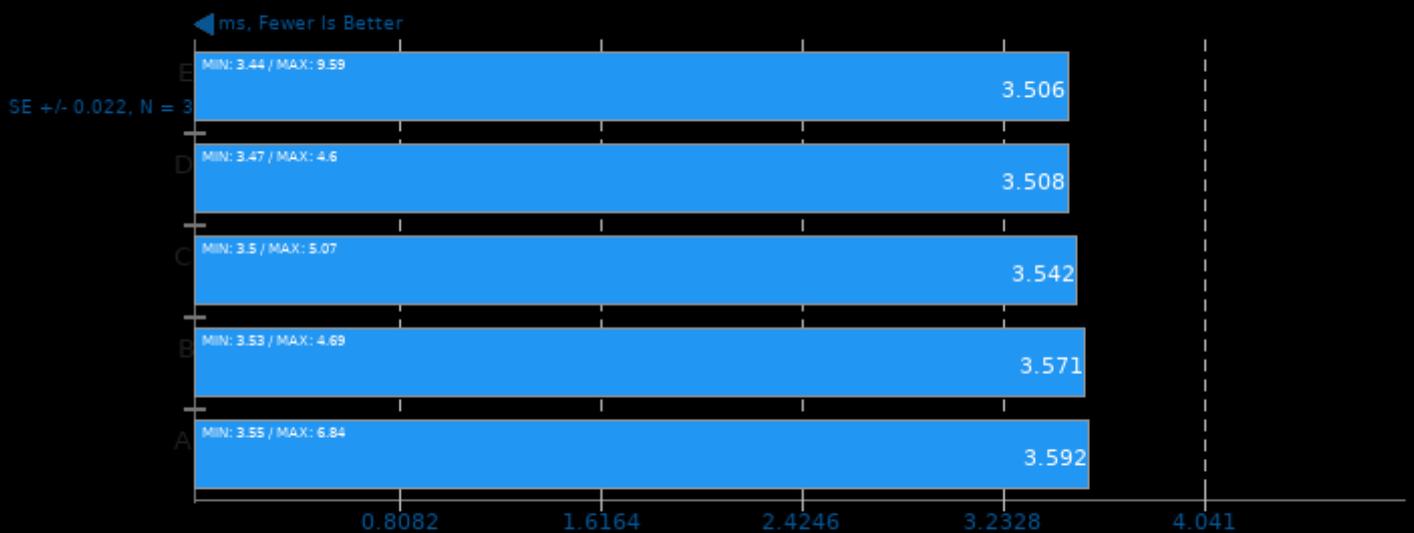
Mobile Neural Network 2.1

Model: SqueezeNetV1.0



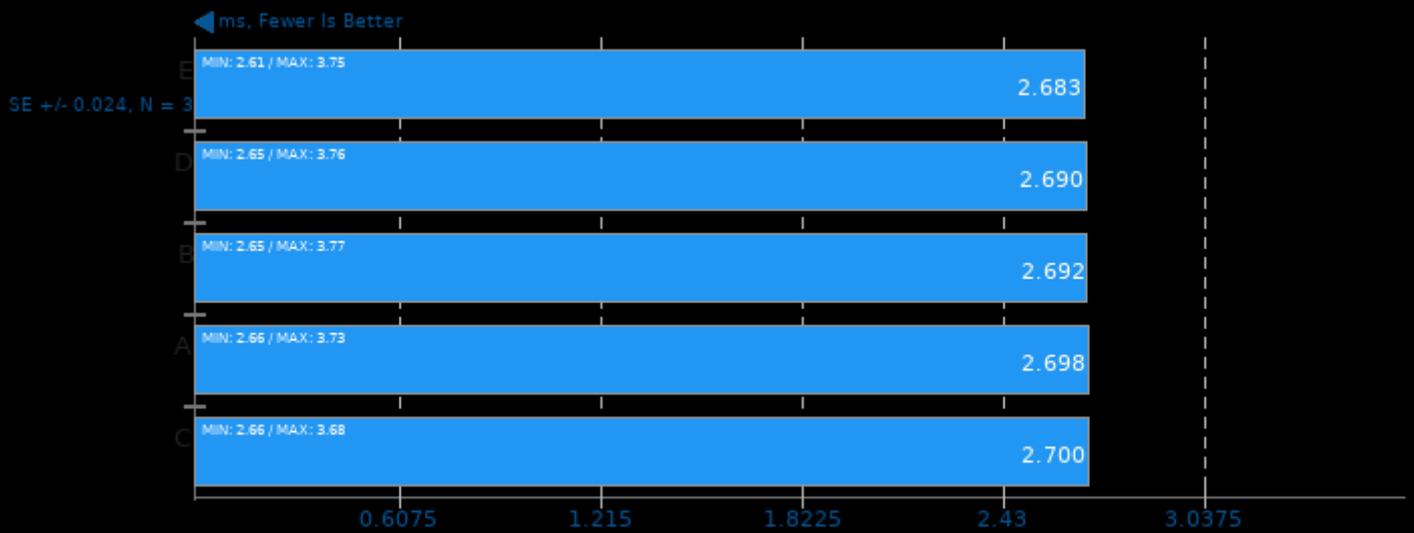
Mobile Neural Network 2.1

Model: MobileNetV2_224



Mobile Neural Network 2.1

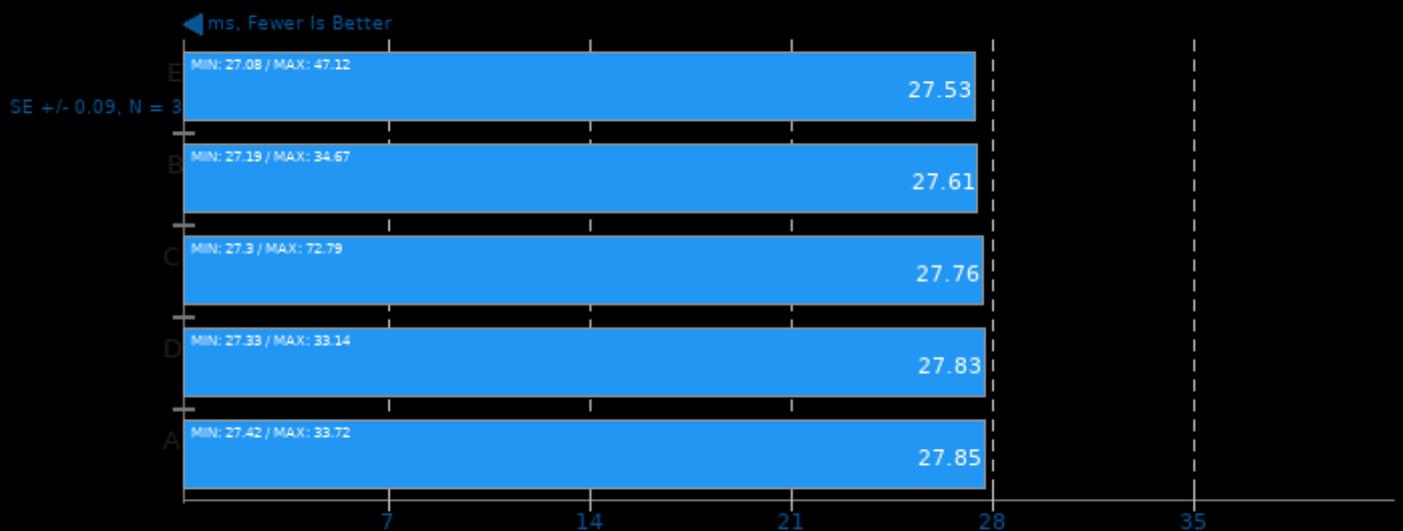
Model: mobilenet-v1-1.0



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-

Mobile Neural Network 2.1

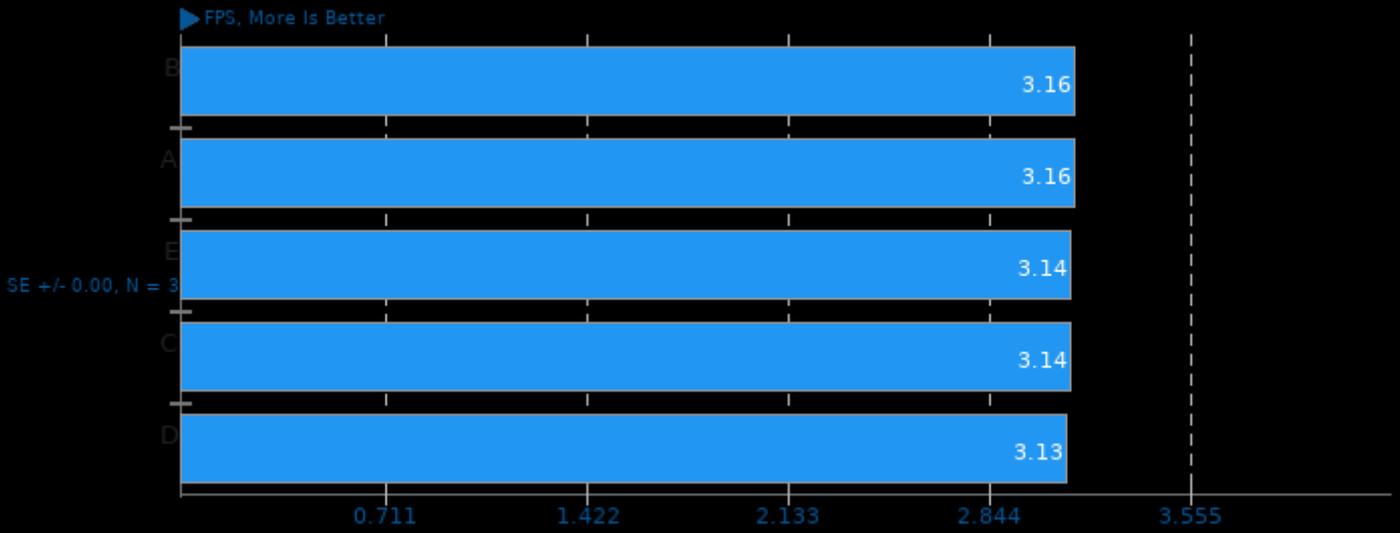
Model: inception-v3



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-

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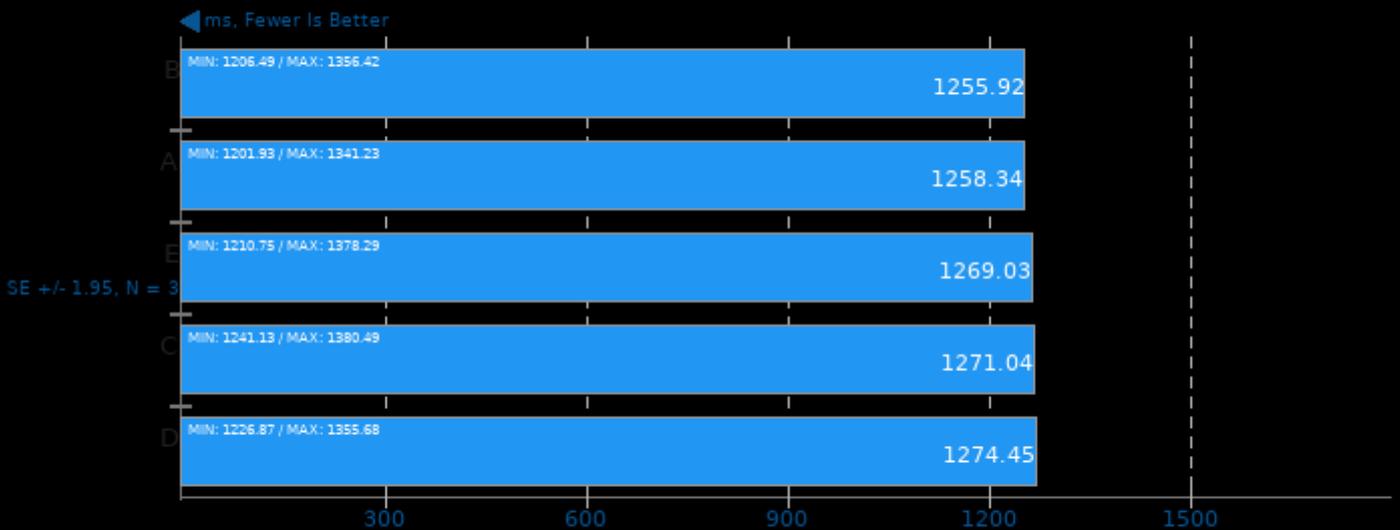
Model: Face Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

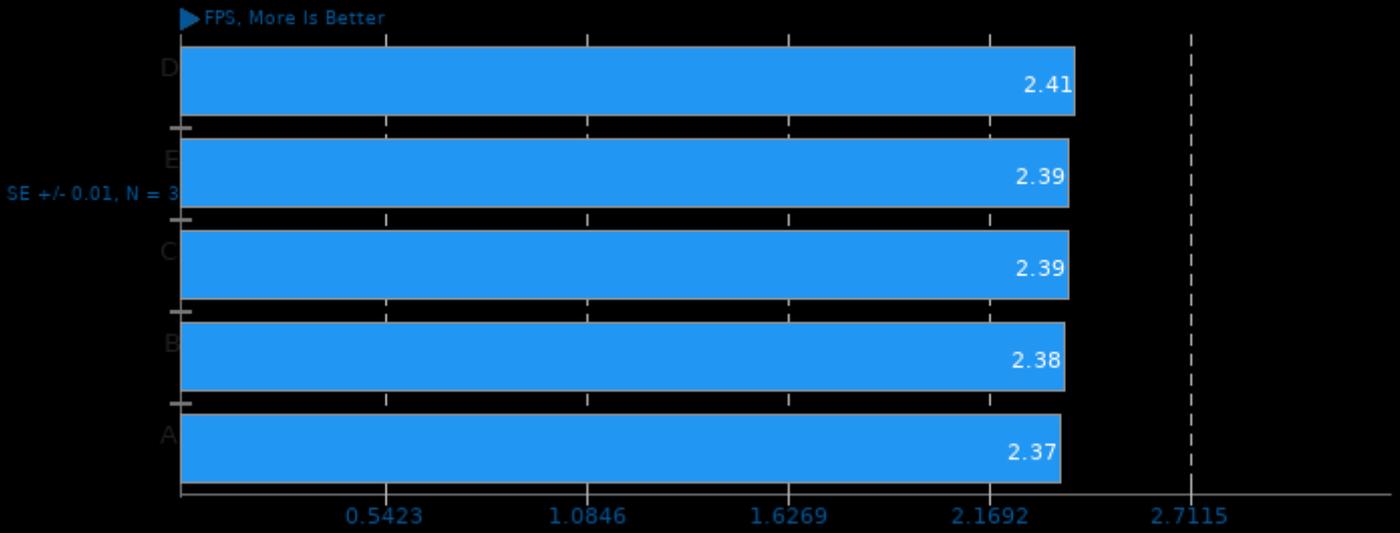
Model: Face Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

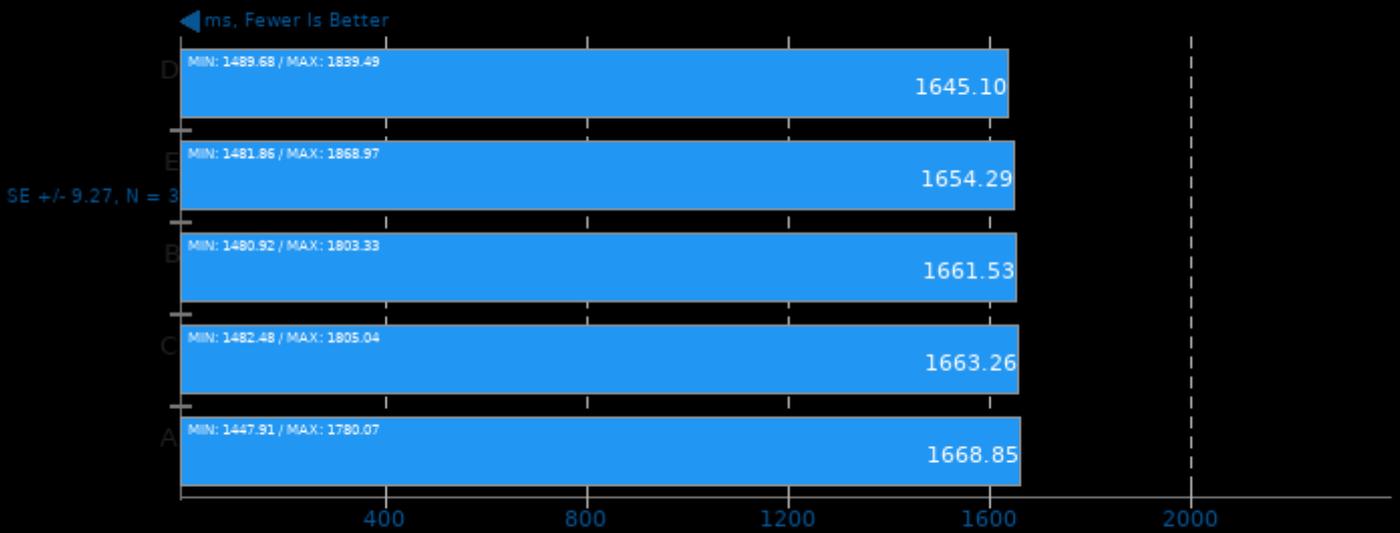
Model: Person Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

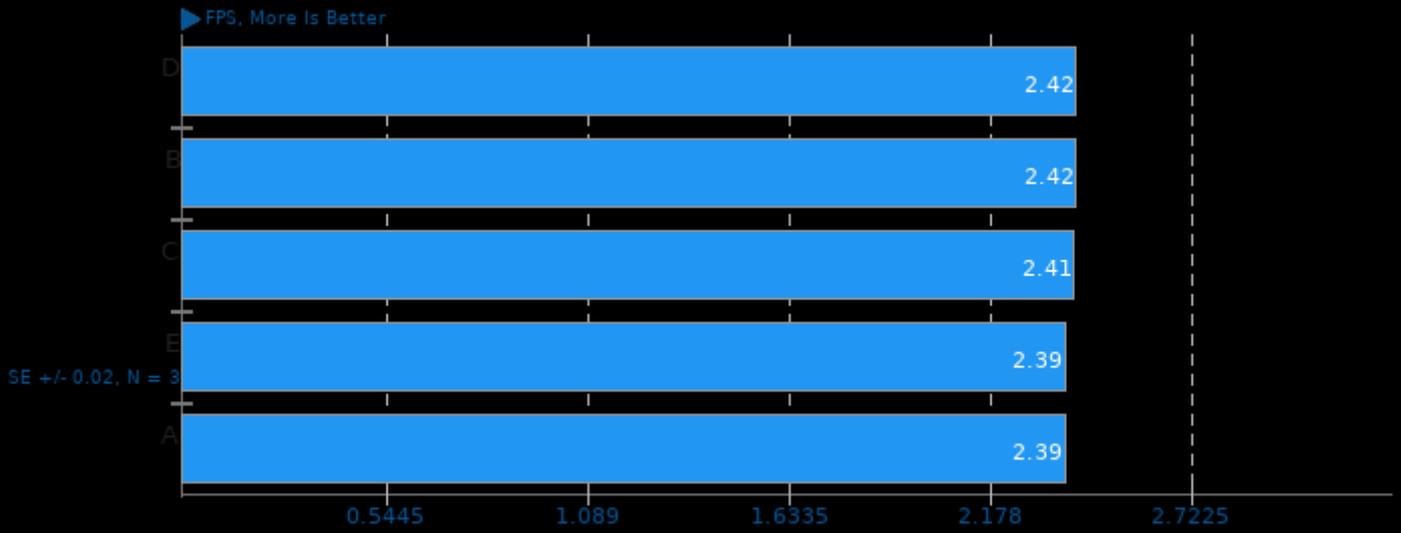
Model: Person Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

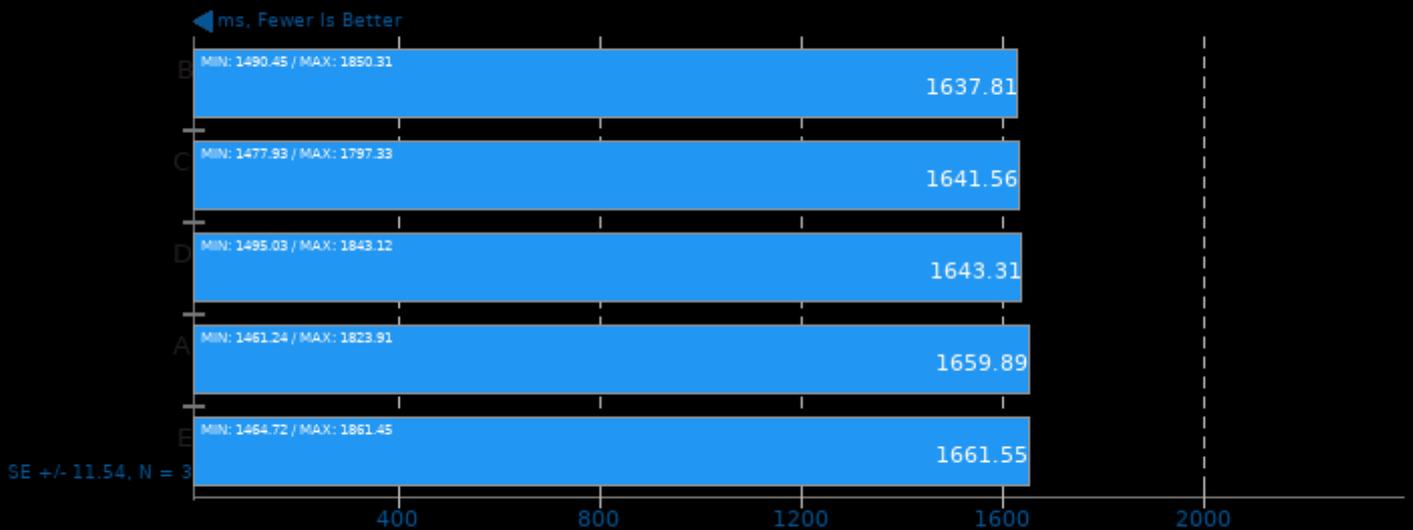
Model: Person Detection FP32 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

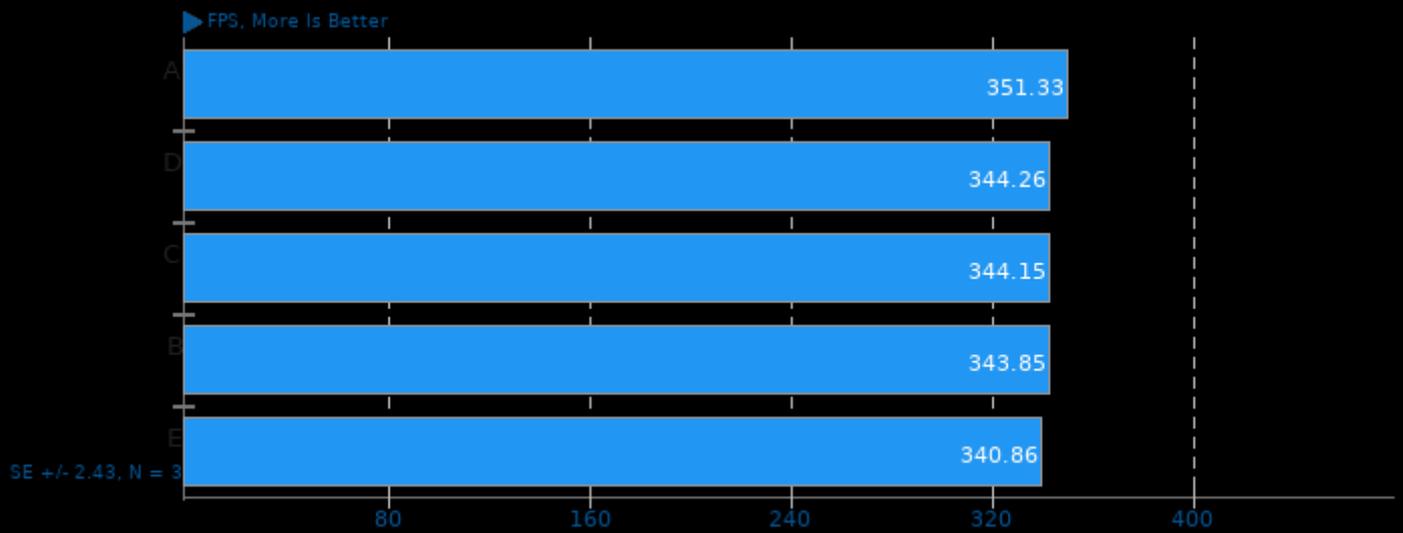
Model: Person Detection FP32 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

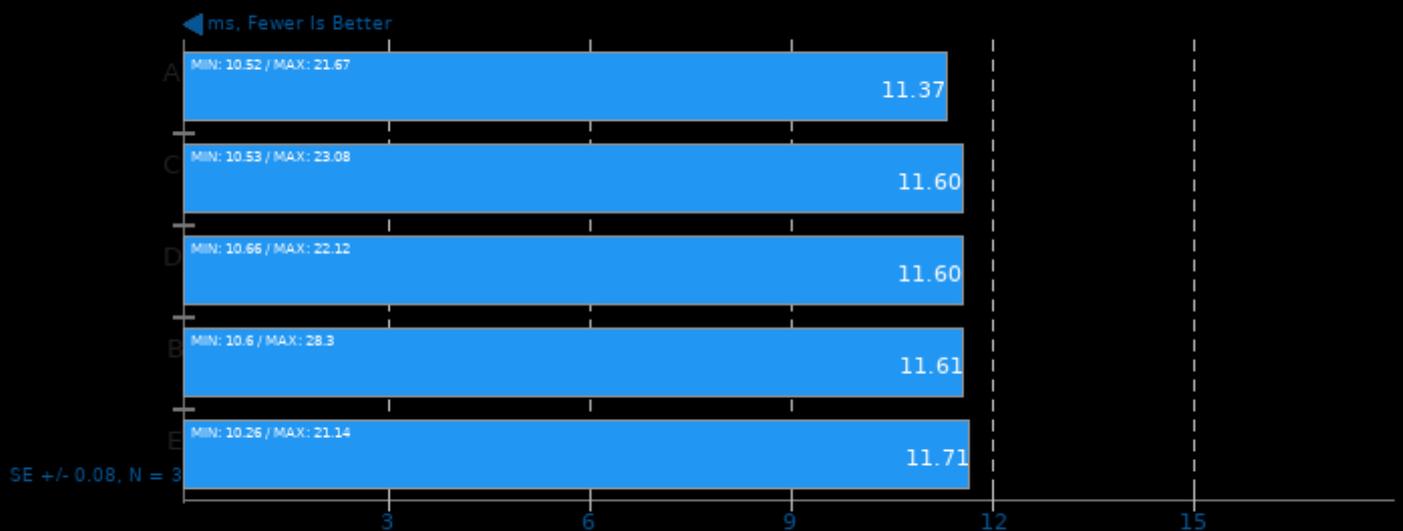
Model: Vehicle Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

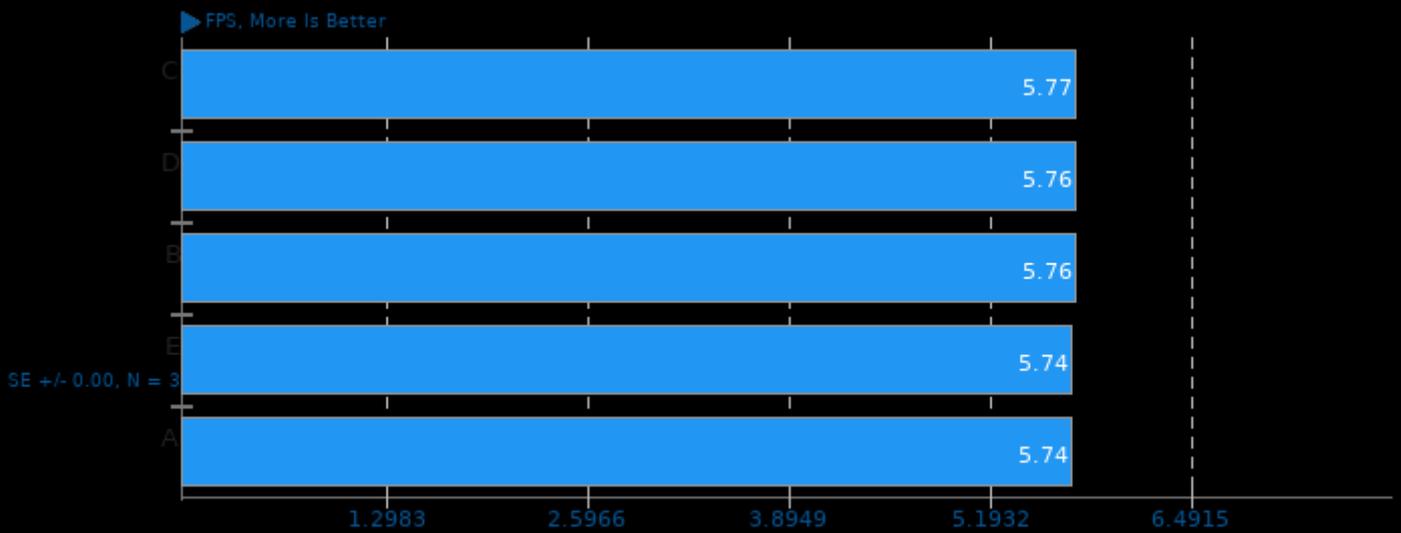
Model: Vehicle Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

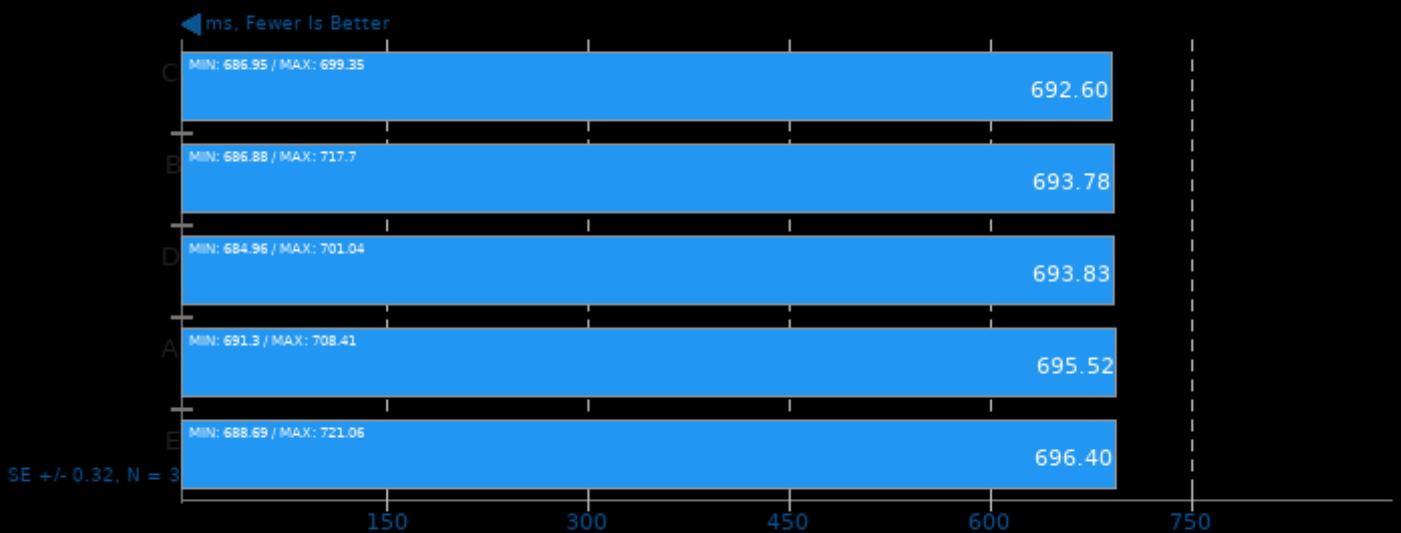
Model: Face Detection FP16-INT8 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

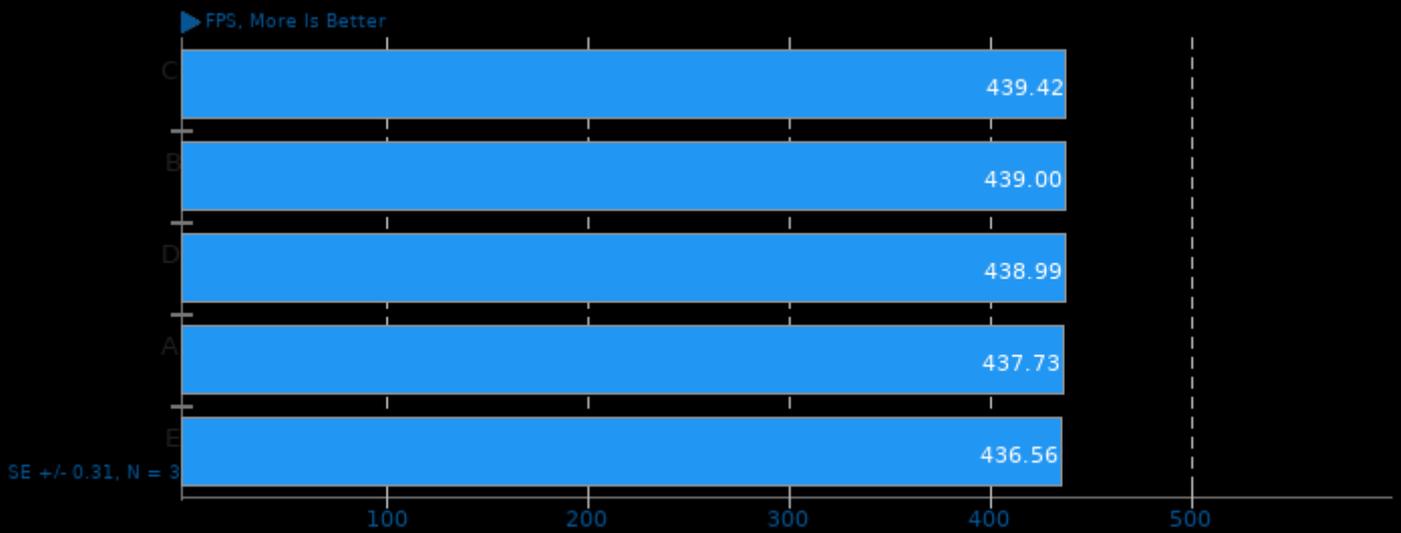
Model: Face Detection FP16-INT8 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

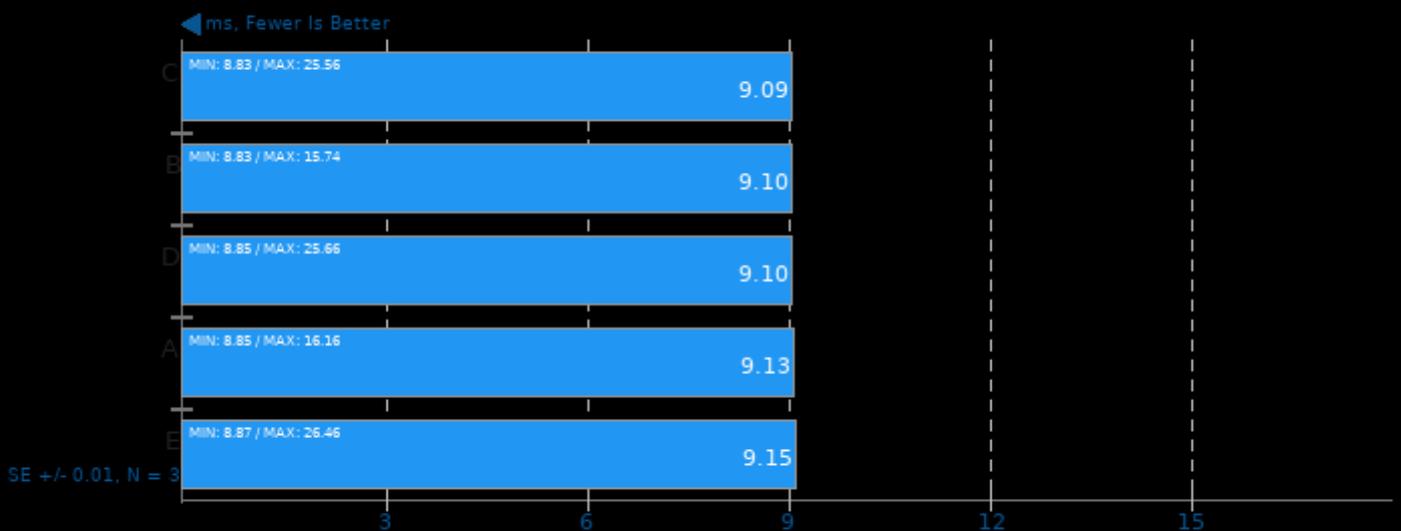
Model: Vehicle Detection FP16-INT8 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

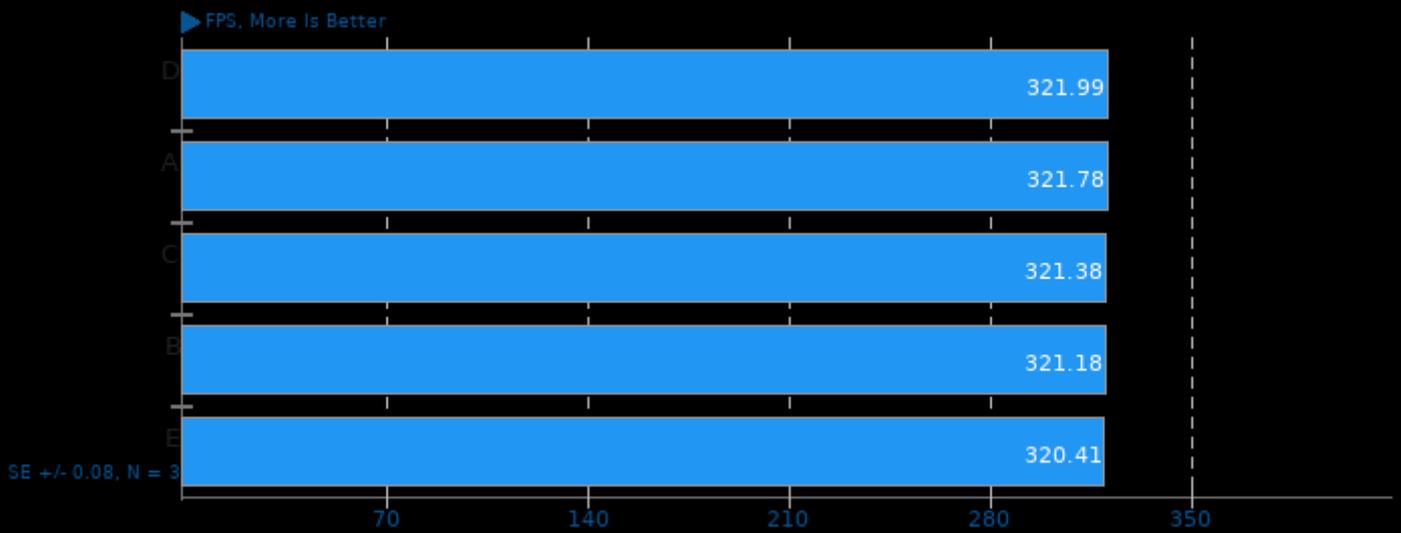
Model: Vehicle Detection FP16-INT8 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno -shared

OpenVINO 2022.2.dev

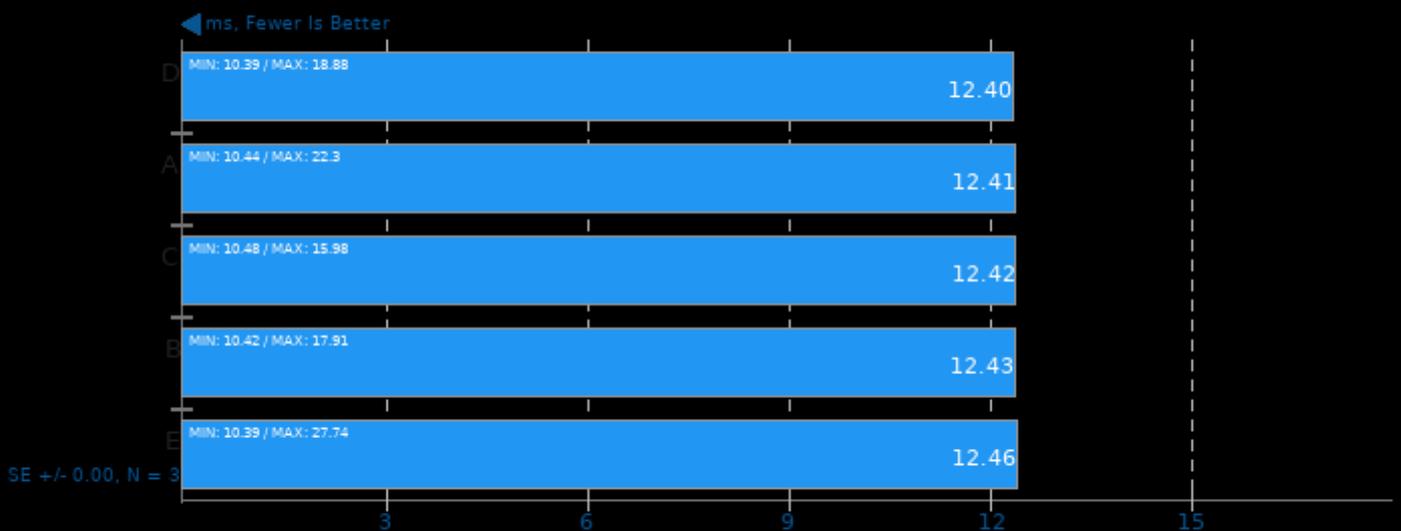
Model: Weld Porosity Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

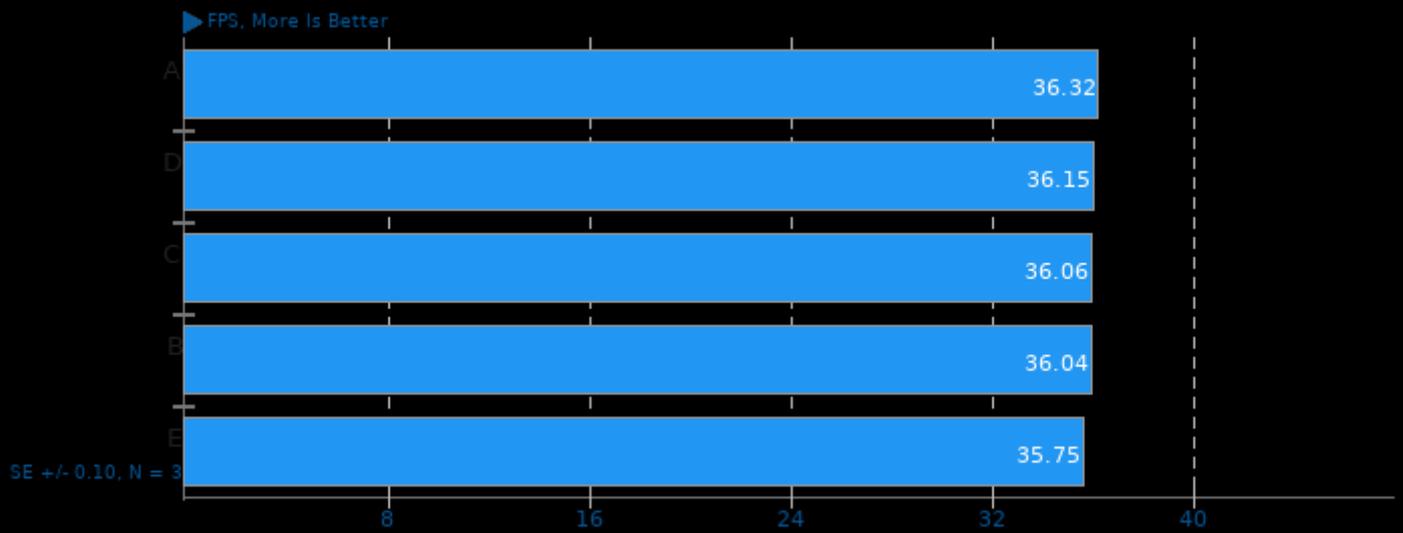
Model: Weld Porosity Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

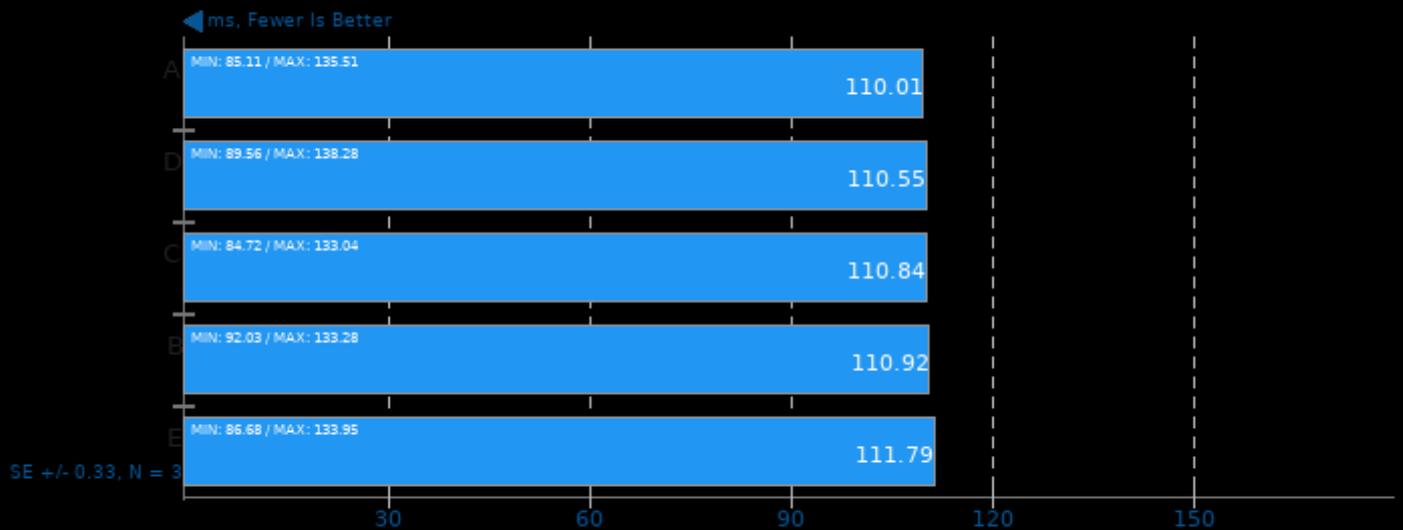
Model: Machine Translation EN To DE FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

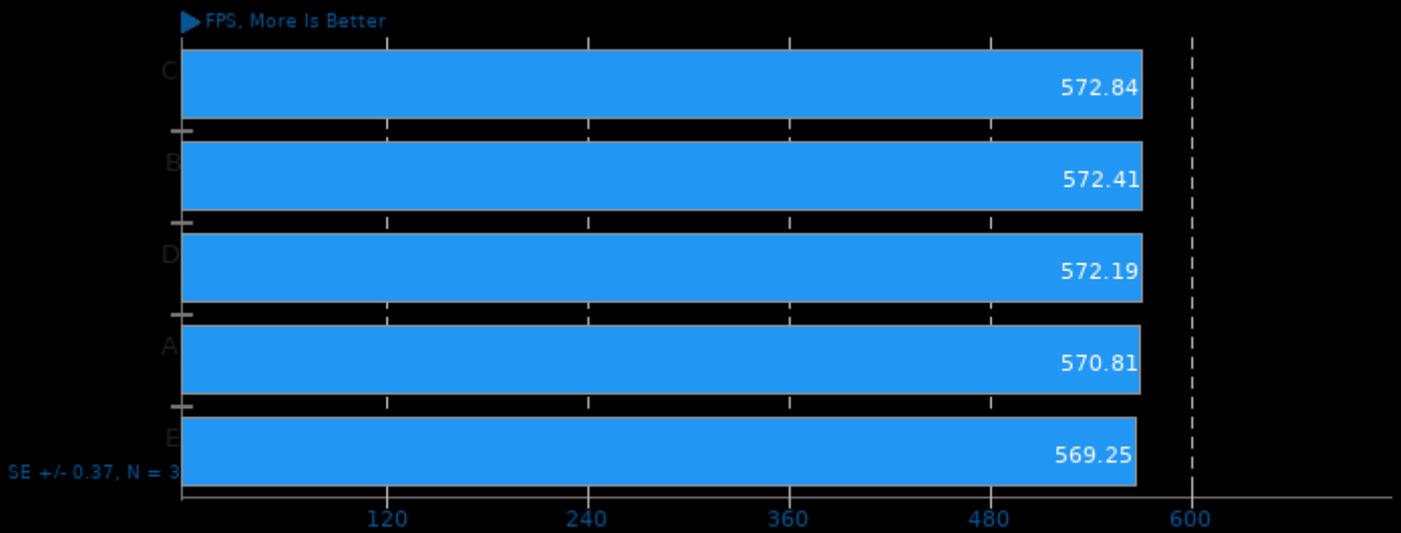
Model: Machine Translation EN To DE FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

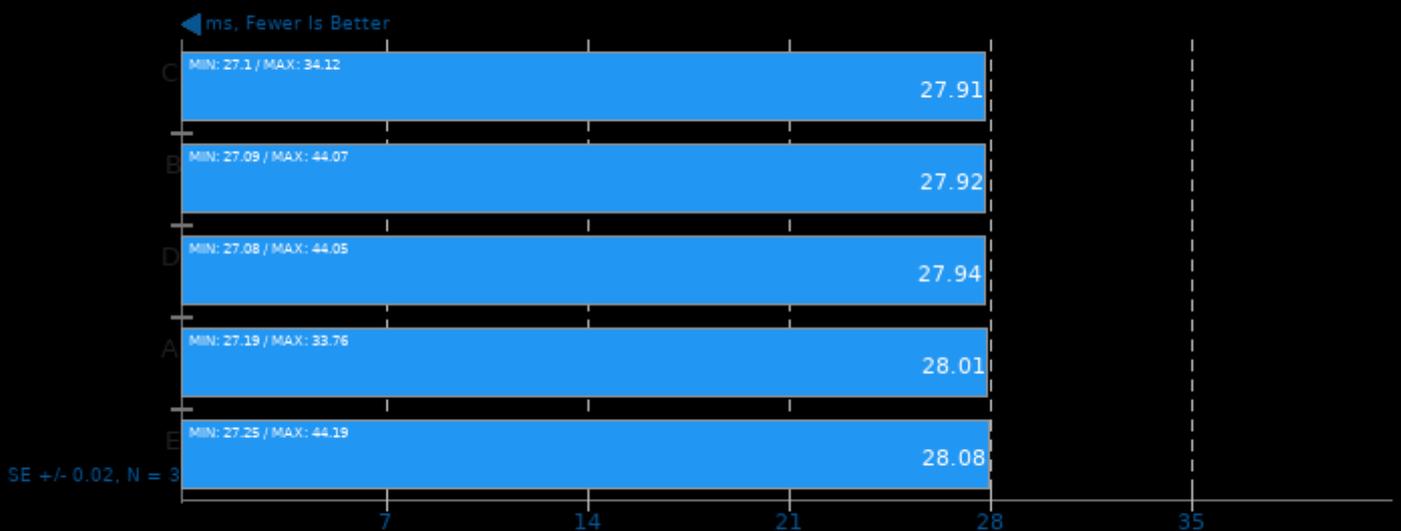
Model: Weld Porosity Detection FP16-INT8 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

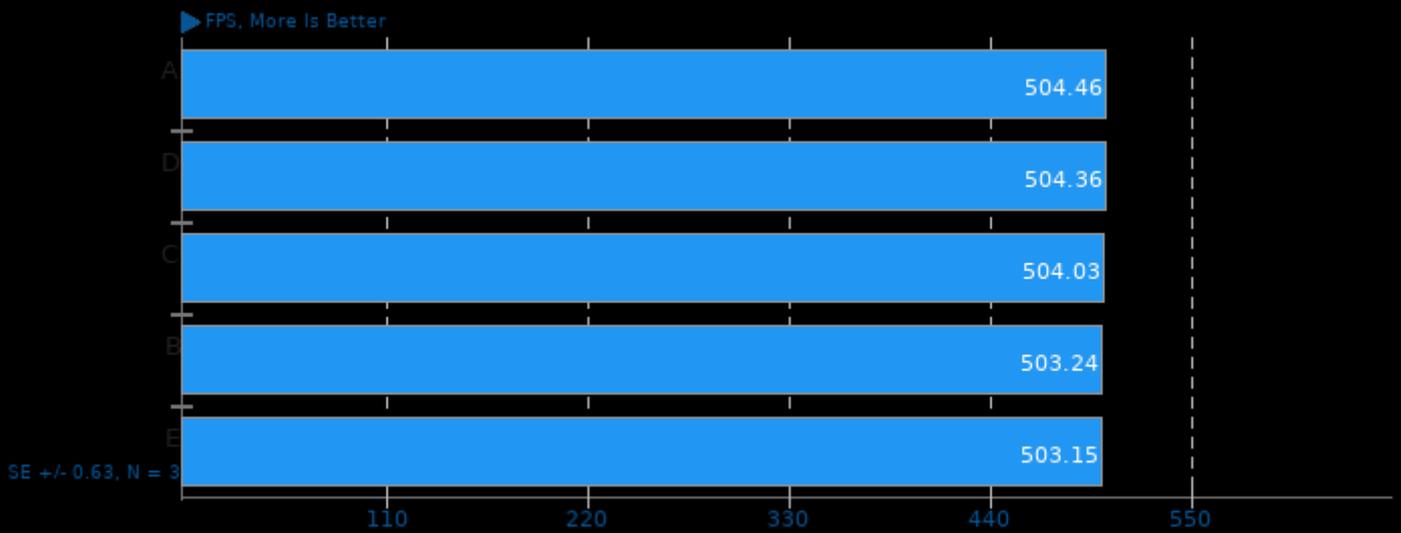
Model: Weld Porosity Detection FP16-INT8 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

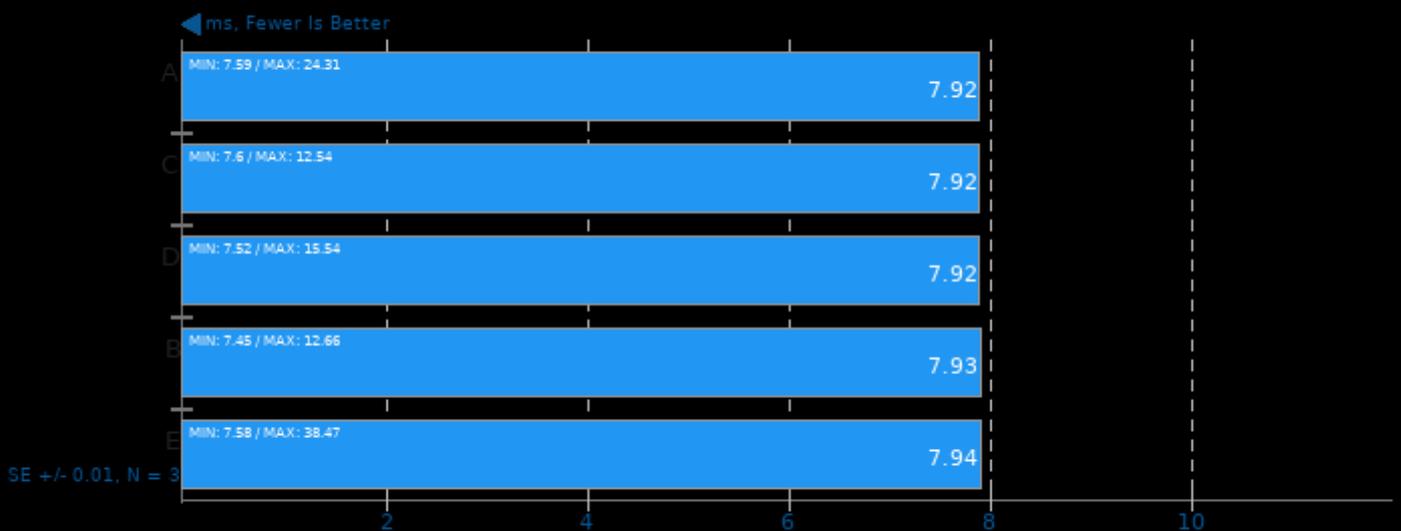
Model: Person Vehicle Bike Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

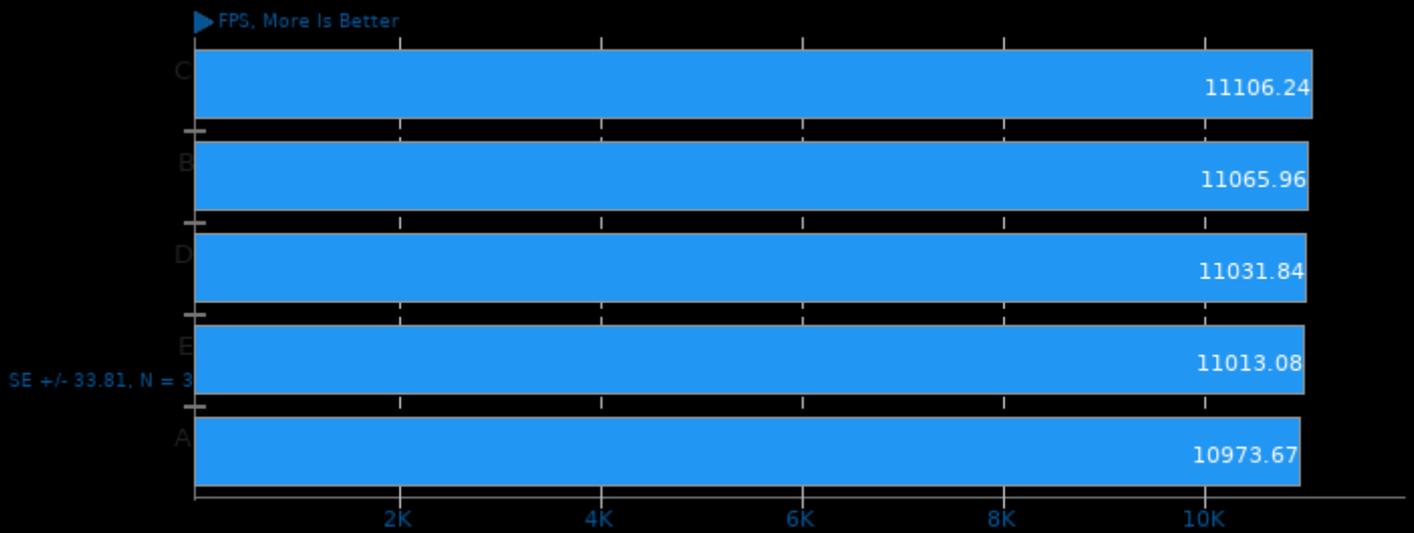
Model: Person Vehicle Bike Detection FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

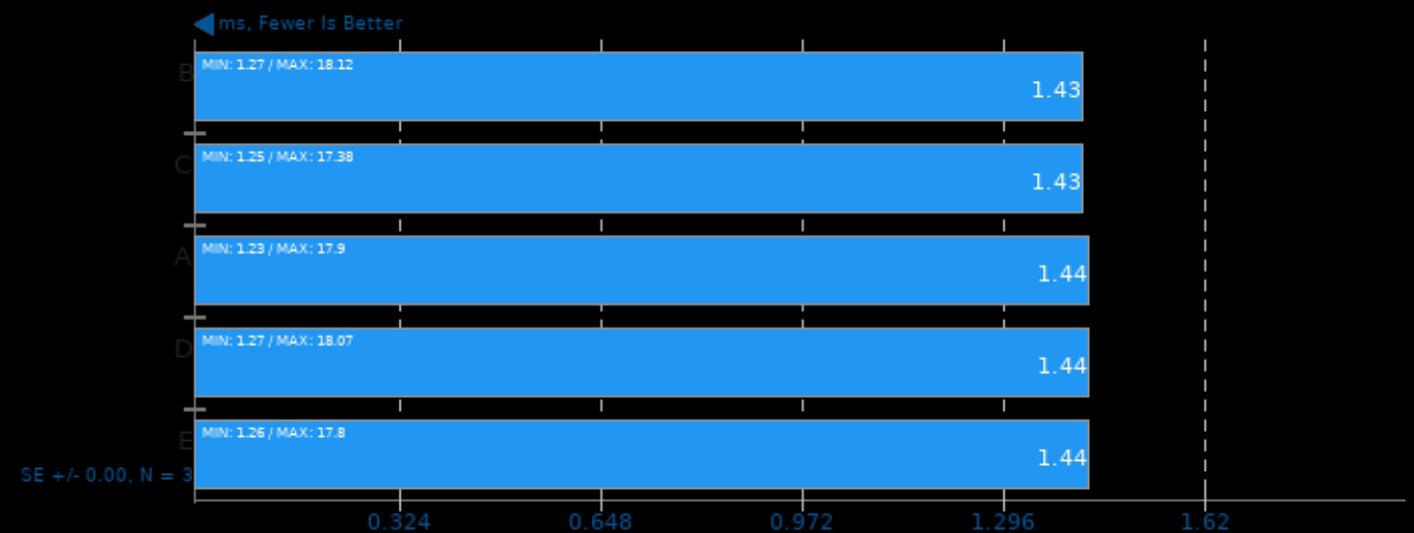
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

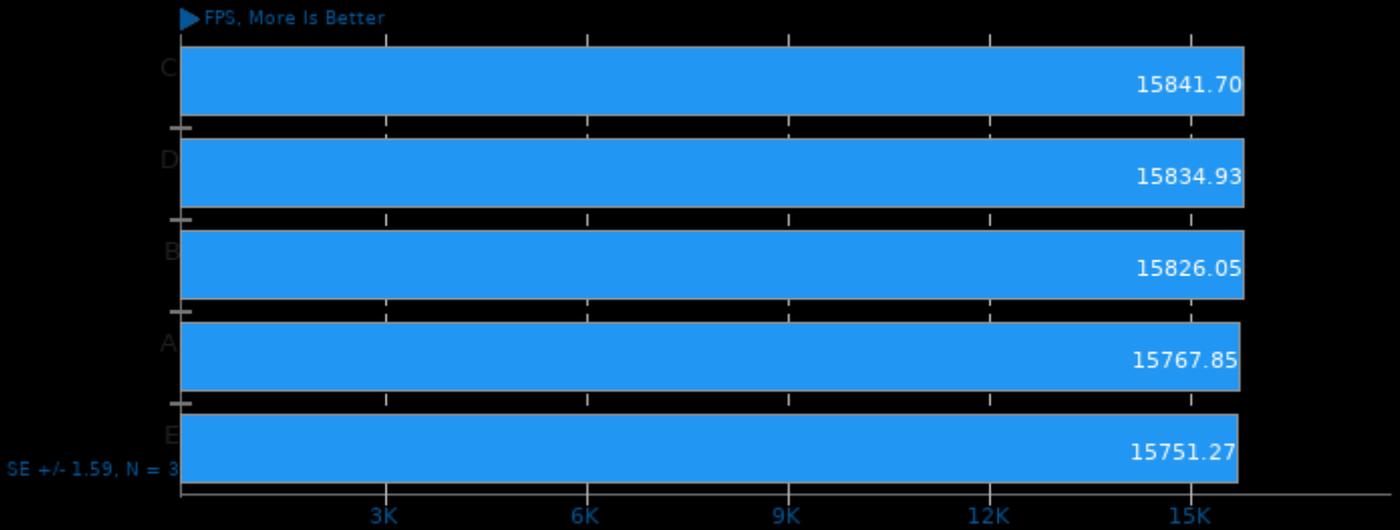
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU



1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-shared

OpenVINO 2022.2.dev

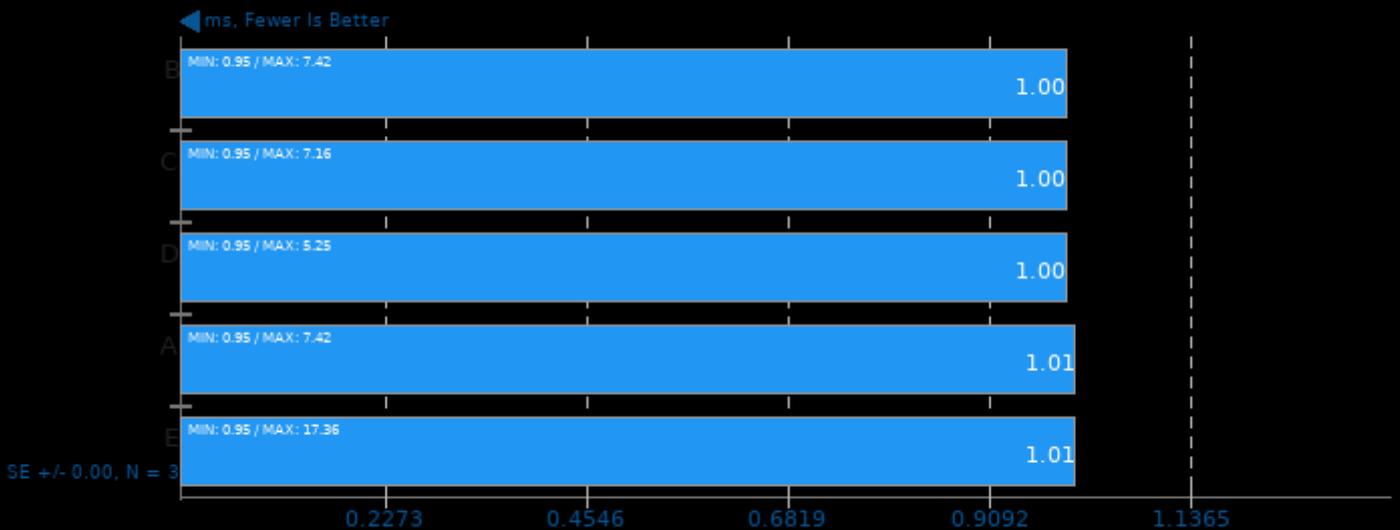
Model: Age Gender Recognition Retail 0013 FP16-INT8 - Device: CPU



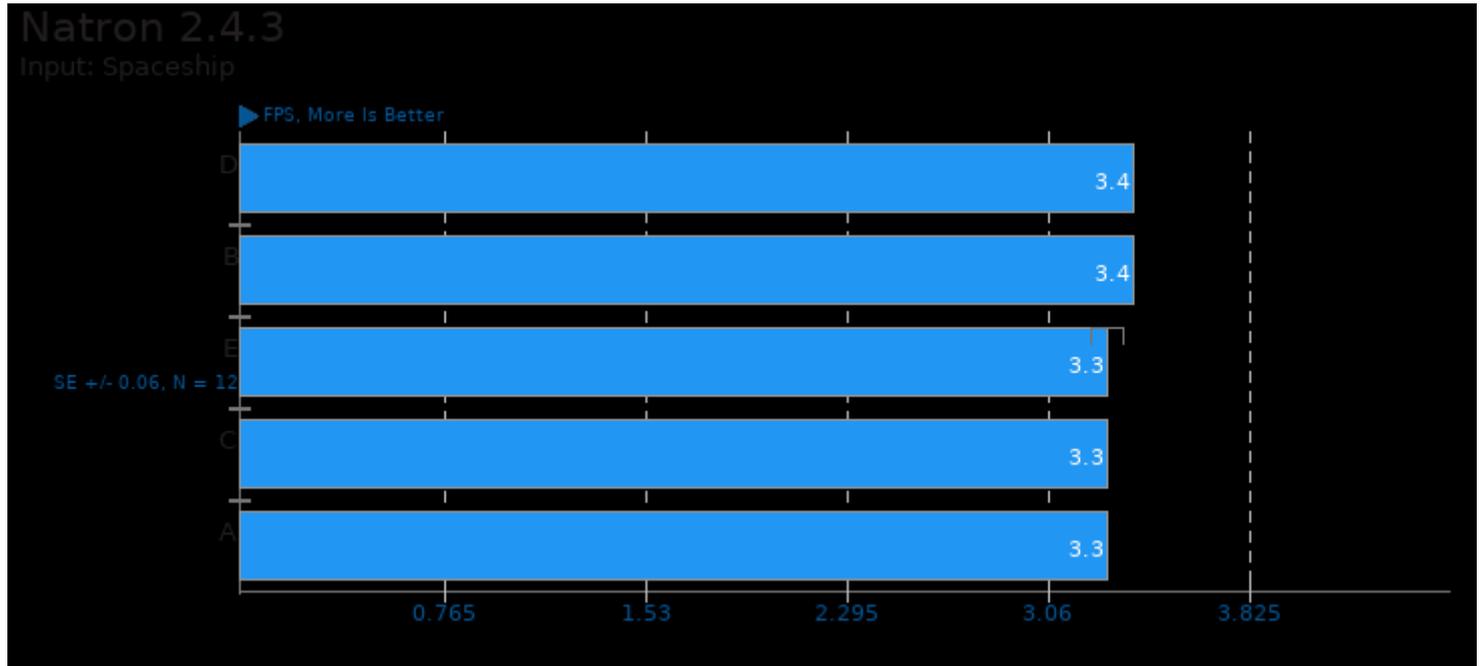
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-common -shared

OpenVINO 2022.2.dev

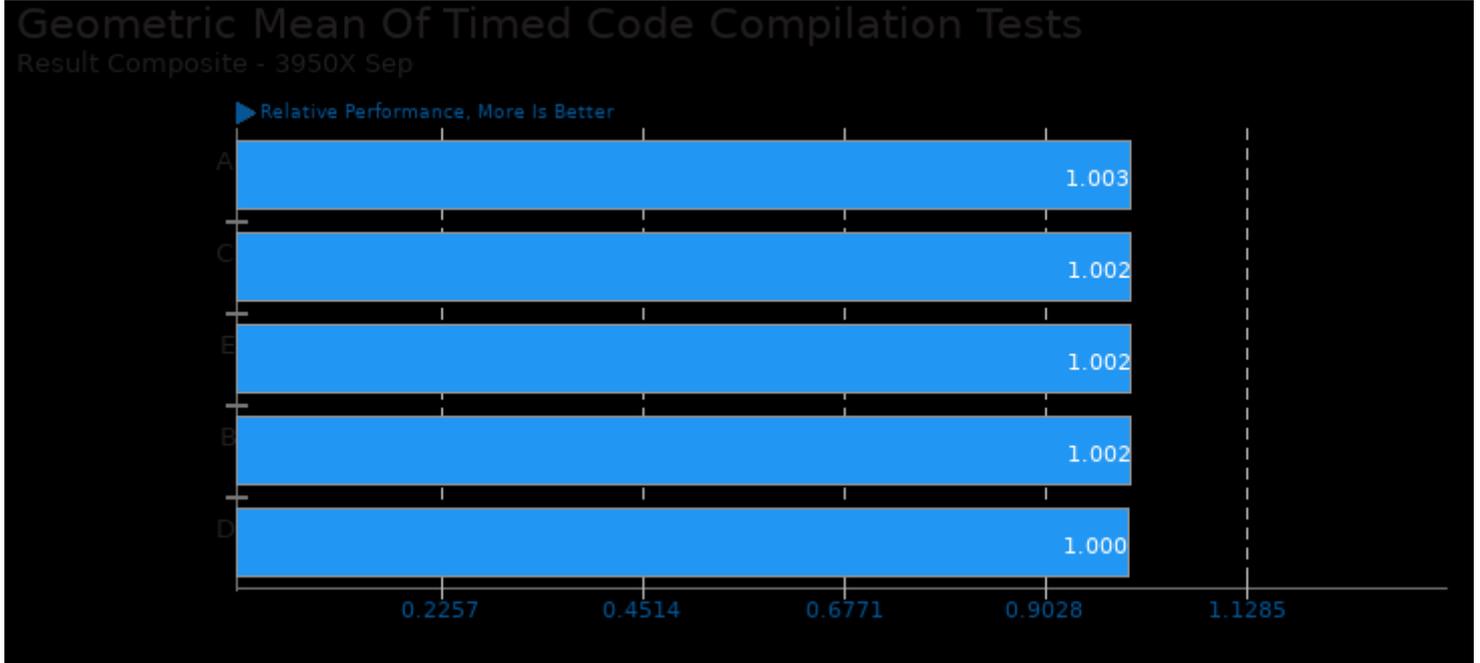
Model: Age Gender Recognition Retail 0013 FP16-INT8 - Device: CPU



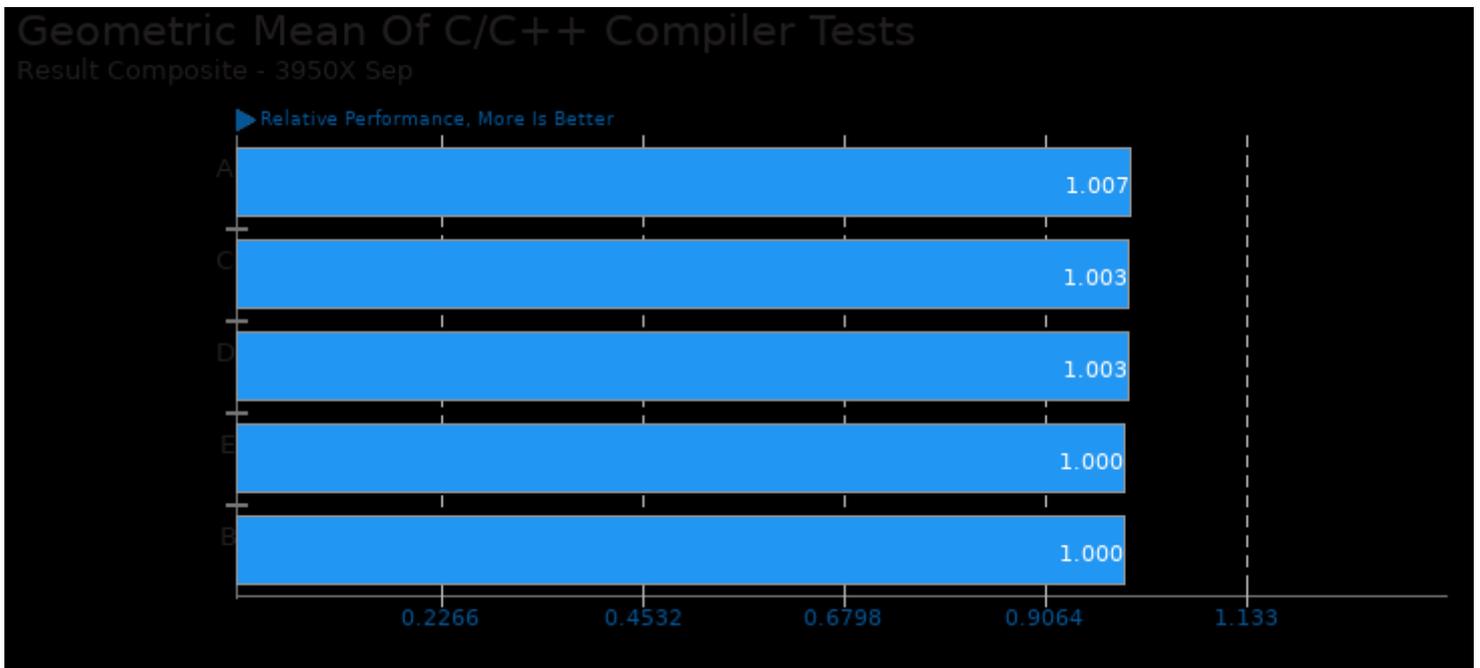
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -fno-common -shared



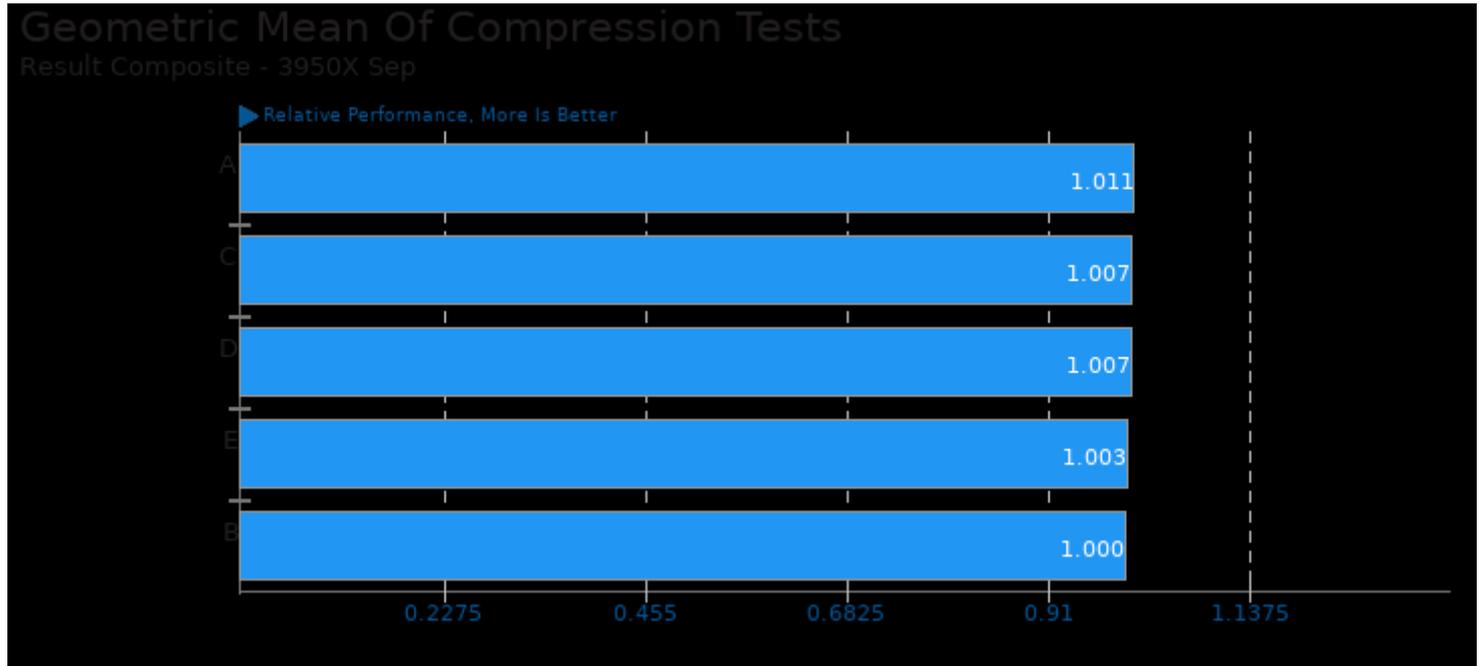
These geometric means are based upon test groupings / test suites for this result file.



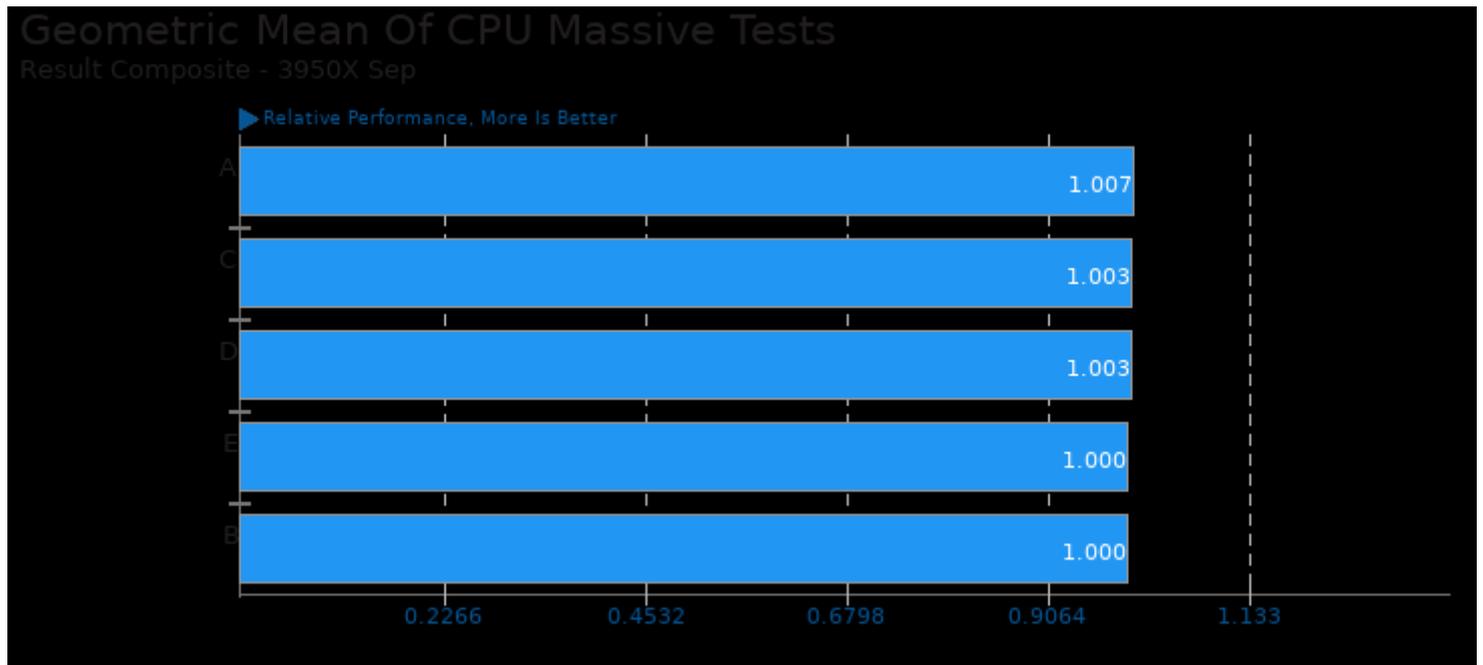
Geometric mean based upon tests: pts/build-php, pts/build-python, pts/build-erlang, pts/build-wasmer and pts/build-nodejs



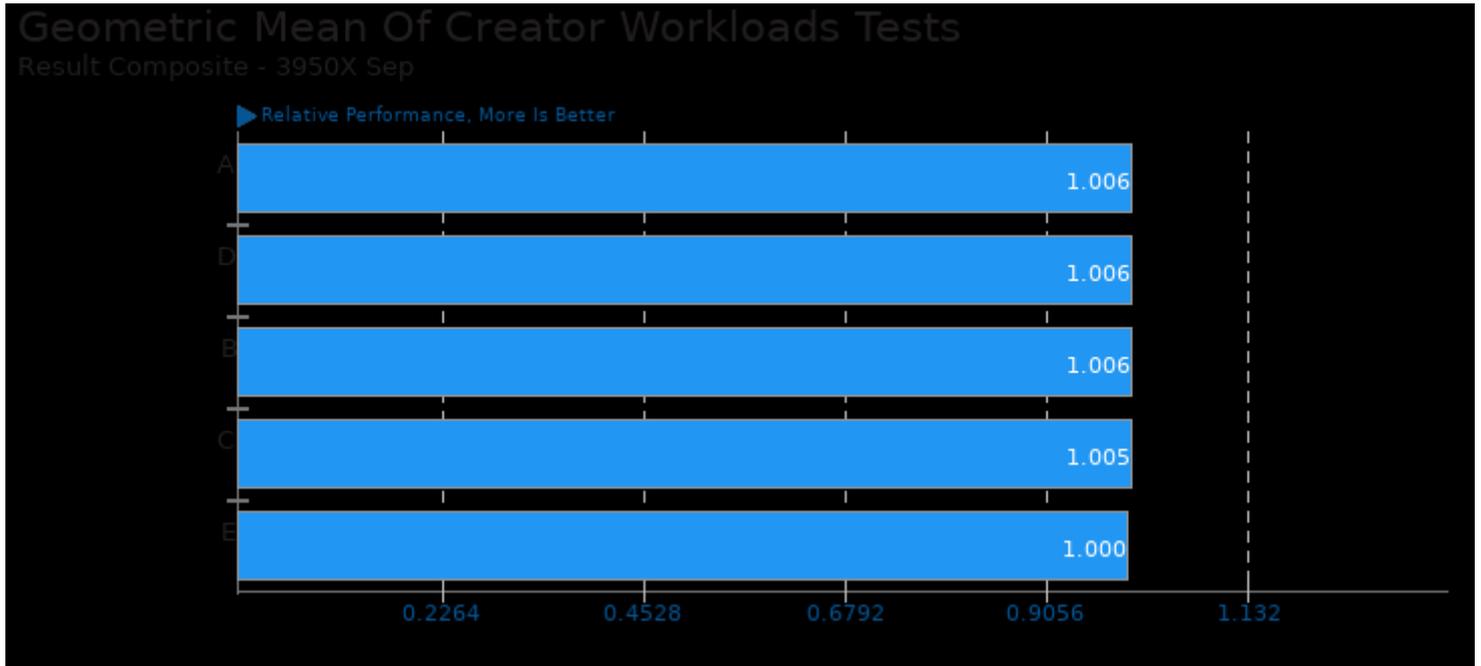
Geometric mean based upon tests: pts/graphics-magick, pts/build-php and pts/compress-7zip



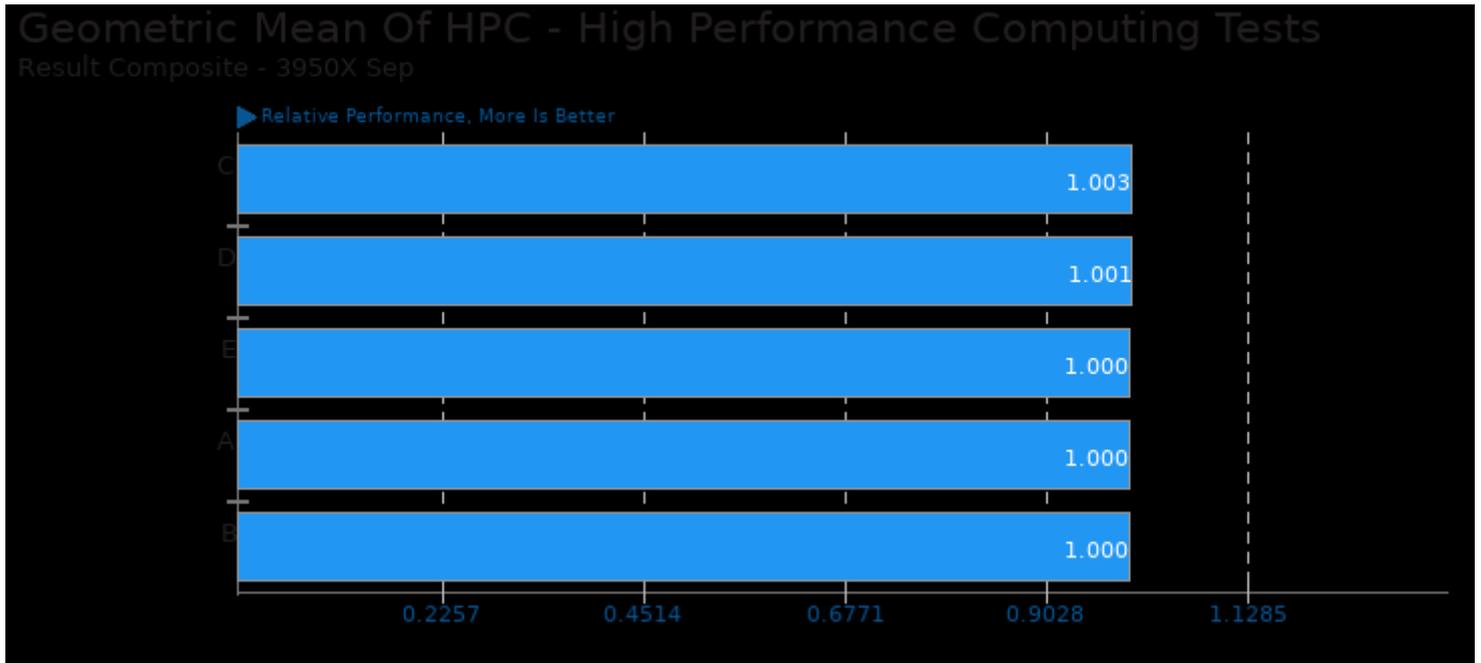
Geometric mean based upon tests: pts/compress-7zip and pts/blosc



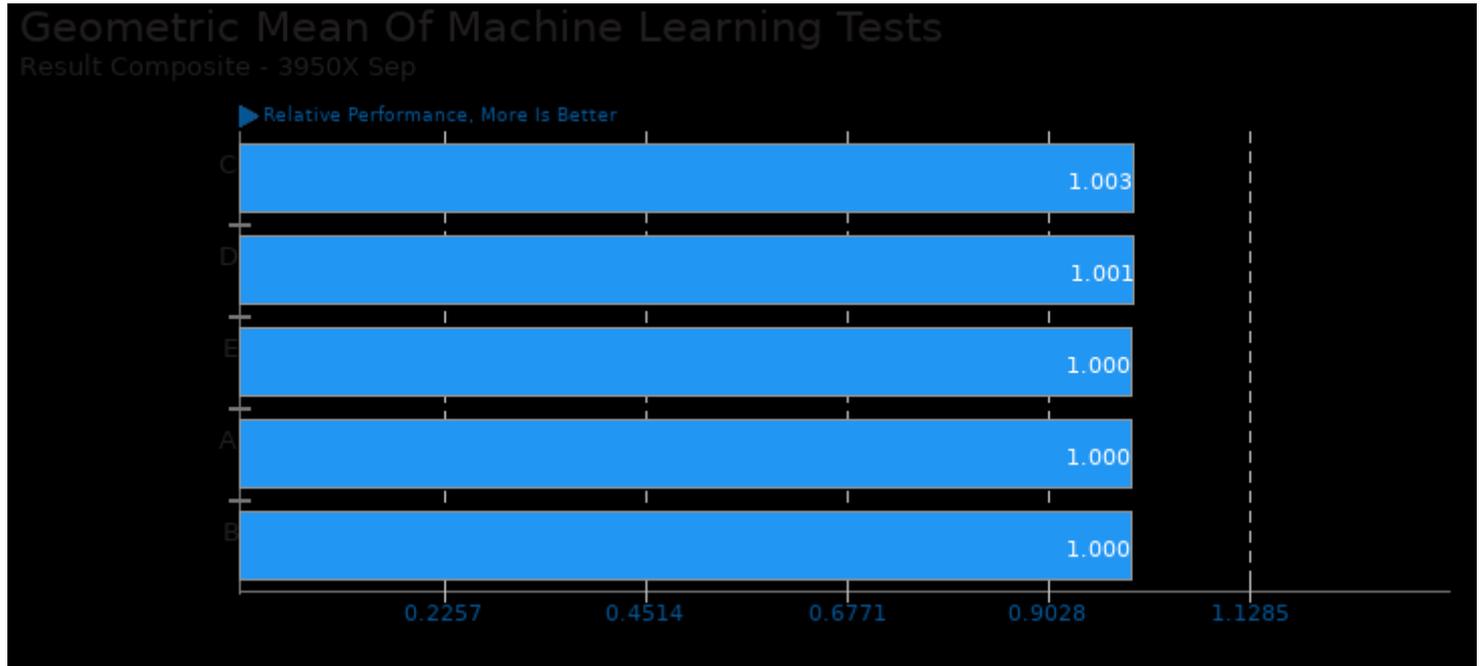
Geometric mean based upon tests: pts/build-php, pts/compress-7zip and pts/graphics-magick



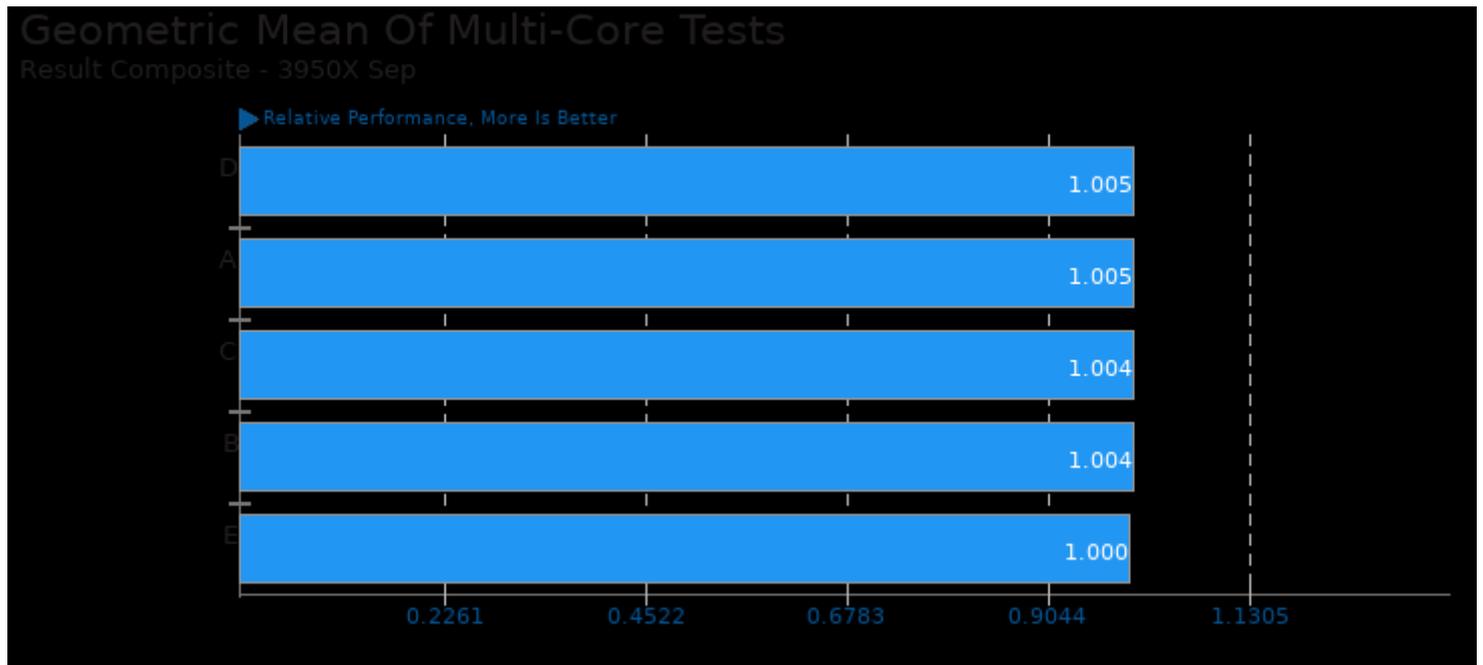
Geometric mean based upon tests: pts/natron, pts/graphics-magick and pts/opencvino



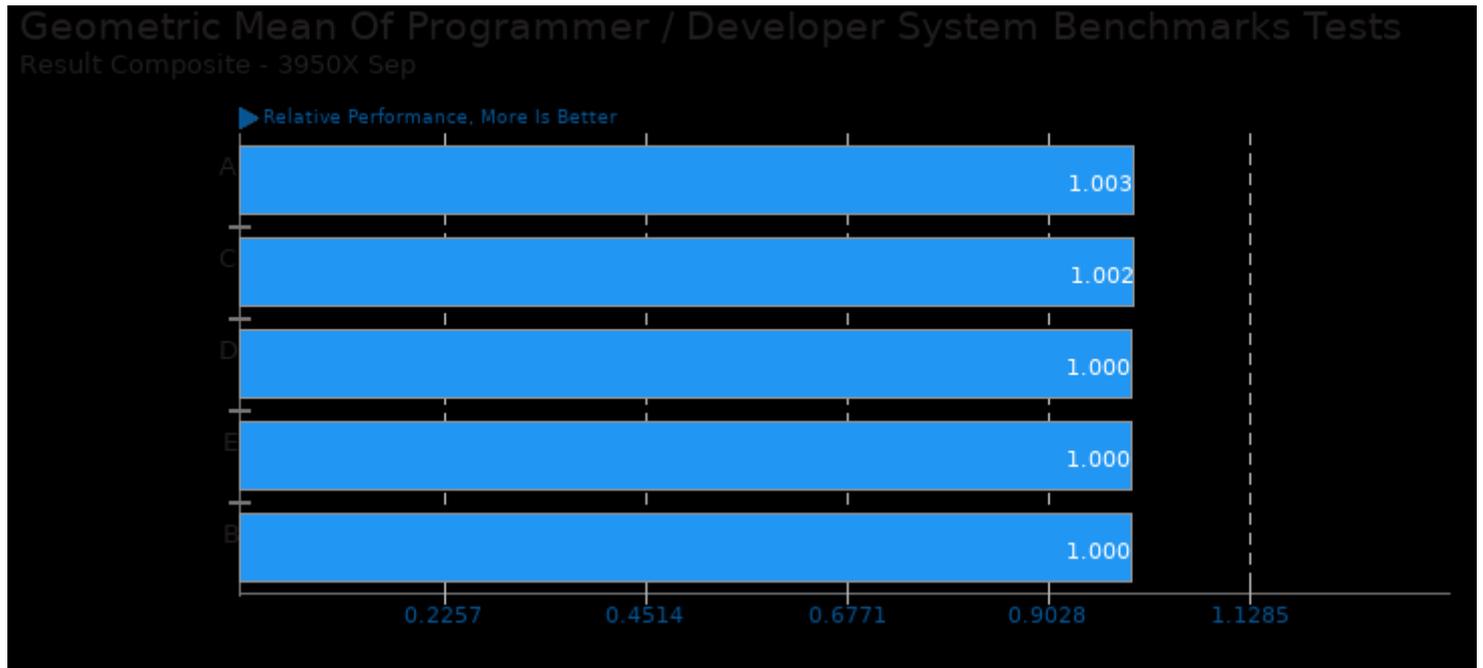
Geometric mean based upon tests: pts/mnn and pts/opencvino



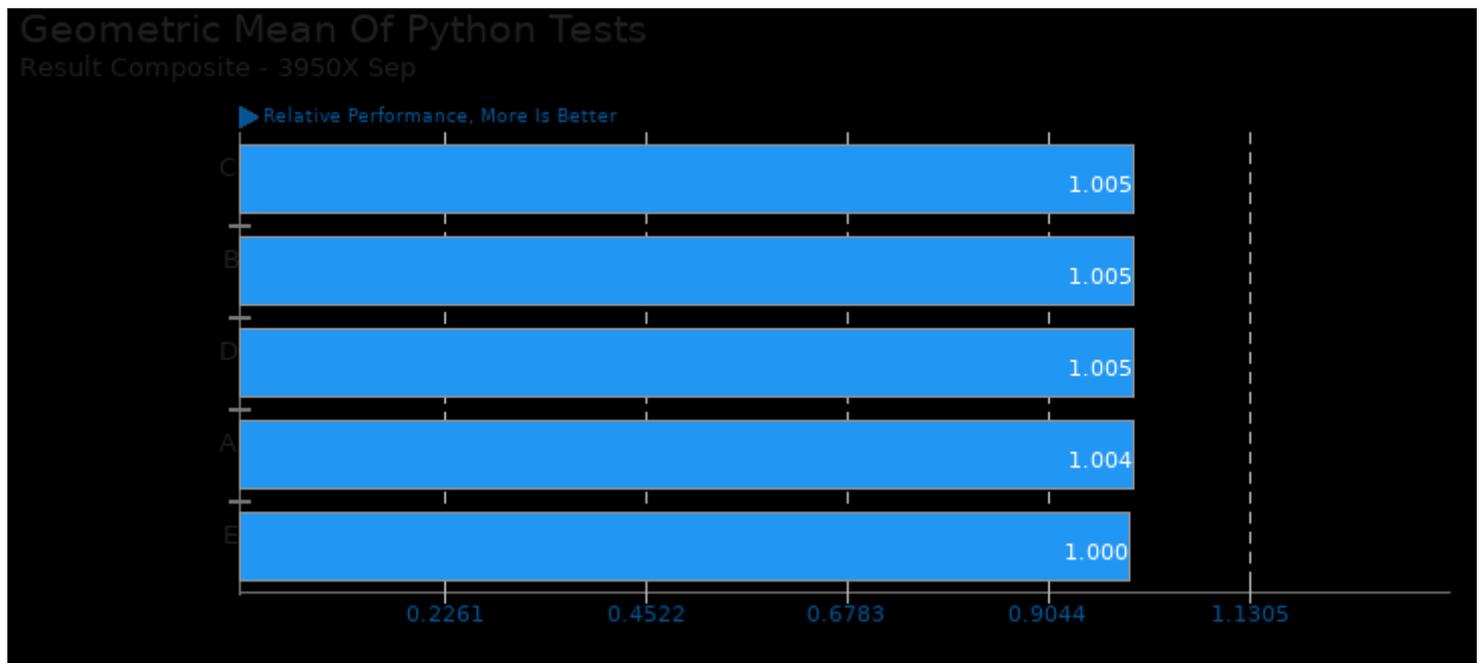
Geometric mean based upon tests: pts/mnn and pts/opencvino



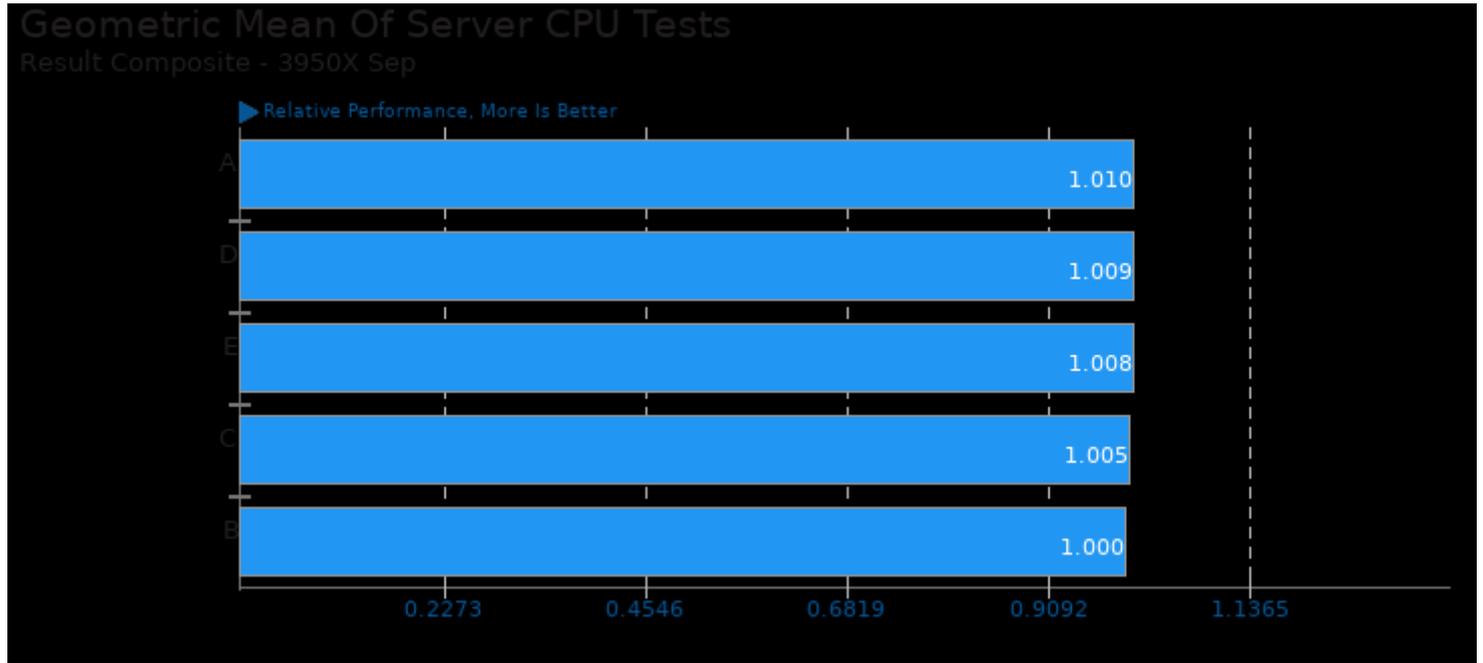
Geometric mean based upon tests: pts/graphics-magick, pts/compress-7zip, pts/build-php, pts/build-python, pts/build-erlang, pts/build-wasmer, pts/build-nodejs, pts/natron and pts/opencvino



Geometric mean based upon tests: pts/blosc, pts/build-php, pts/build-python, pts/build-erlang, pts/build-wasmer and pts/build-nodejs



Geometric mean based upon tests: pts/build-nodejs and pts/openvino



Geometric mean based upon tests: pts/compress-7zip and pts/build-php

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 11:46.