# SPEC CINT95 Results

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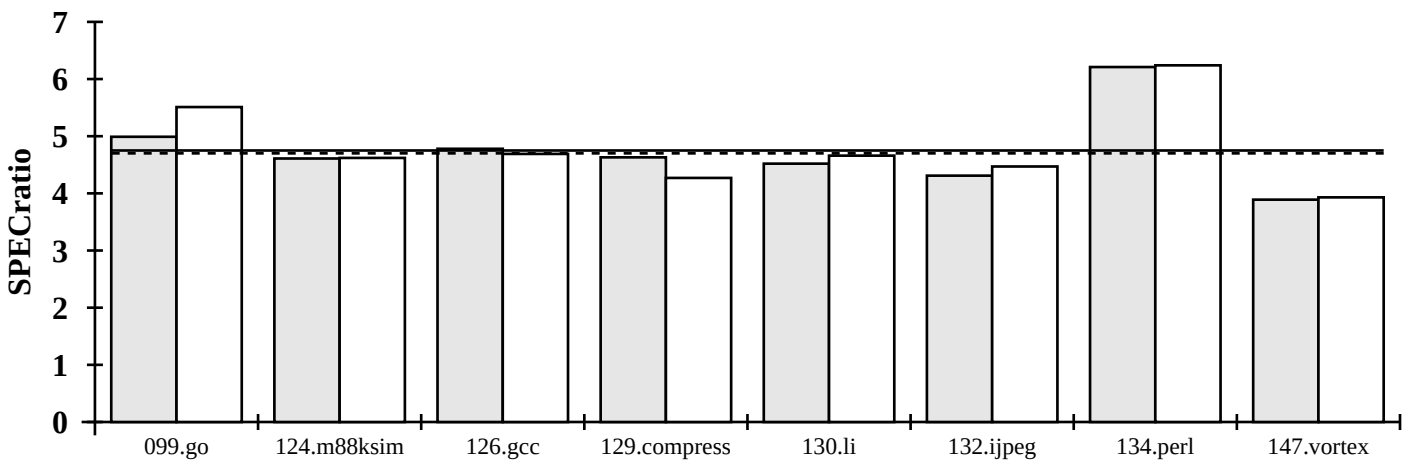
## Siemens Nixdorf Informationssysteme RM300-C40

SPECint95 = 4.75

SPECint_base95 = 4.70

| SPEC license # 22 | Tested By: SNI, Paderborn / Germany | Test Date: Jul-96 | Hardware Avail: Sep-96 | Software Avail: Jul-96 |
|---|---|---|---|---|




Hardware/Software Configuration for:
RM300-C40

**Hardware**

| | |
|---|---|
| Model Name: | RM300-C40 |
| CPU: | 180 MHz R5000 |
| FPU: | Integrated |
| Number of CPU(s): | 1 |
| Primary Cache: | 32KBI+32KBD on chip |
| Secondary Cache: | 0.5MB(I+D) off chip |
| Other Cache: | None |
| Memory: | 256MB |
| Disk Subsystem: | 2 x 4 GB (striped) |
| Other Hardware: | None |

**Software**

| | |
|---|---|
| Operating System: | Reliant UNIX (RM400) 5.43 B 00 |
| Compiler: | C-DS 1.2A |
| File System: | UFS (/var/tmp as RAM disk) |
| System State: | Multi User |

| Benchmark # and Name | Reference Time | Base Run Time | Base SPEC Ratio | Run Time | SPEC Ratio |
|---|---|---|---|---|---|
| 099.go | 4600 | 922 | 4.99 | 835 | 5.51 |
| 124.m88ksim | 1900 | 412 | 4.61 | 412 | 4.62 |
| 126.gcc | 1700 | 356 | 4.78 | 362 | 4.69 |
| 129.compress | 1800 | 389 | 4.63 | 422 | 4.27 |
| 130.li | 1900 | 420 | 4.52 | 408 | 4.66 |
| 132.ijpeg | 2400 | 557 | 4.31 | 536 | 4.47 |
| 134.perl | 1900 | 306 | 6.21 | 304 | 6.24 |
| 147.vortex | 2700 | 695 | 3.89 | 687 | 3.93 |
| SPECint_base95 (G. Mean) | | | 4.70 | | |
| | | SPECint95 (G. Mean) | | | 4.75 |

### Notes/Tuning Information

```
Baseline:
PASS1_CFLAGS= -qfeedback -FX -FI -Wo,-loopunroll:8
PASS2_CFLAGS= -FX -FI -WM,-O5 -Wo,-loopunroll:8
Peak:
PASS1_CFLAGS= same as Baseline
PASS2_CFLAGS= All benchmarks: -FX -FI -WM,-O5 ; Additional flags:
099: -WM,-G1799 -Wc,-afep,4 -WM,-no_inlining
124: same as Baseline
126: same as Baseline
129: -Wo,-loopunroll:4 -WM,-G4000
130: -Wc,-afep,6
132: -WM,-G44 -Wc,-afep,4 -Wo,-loopunroll:10 -Wo,-unrolllimit:2000
134: -WM,-G44 -Wc,-afep,4 -Krostr -Kroconst -Wo,-loopunroll:8
147: -WM,-G44 -Wc,-afep,5 -WM,-no_inlining -Wo,-loopunroll:8
```

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