# SPEC CINT95 Results

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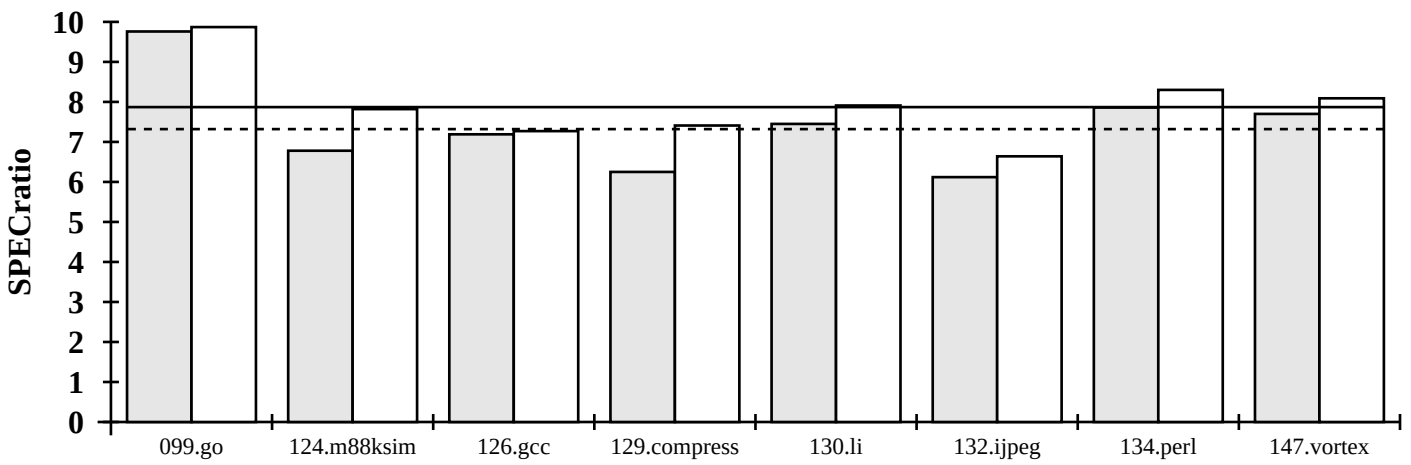
## Hewlett-Packard
## HP 9000 Model D330

SPECint95 = 7.87

SPECint_base95 = 7.32

| SPEC license # 3 | Tested By: HP Cupertino, CA | Test Date: Nov-96 | Hardware Avail: Mar-97 | Software Avail: Jul-96 |
|---|---|---|---|---|




Hardware/Software Configuration for:
HP 9000 Model D330

**Hardware**

| | |
|---|---|
| Model Name: | HP 9000 Model D330 |
| CPU: | 160 MHz PA-RISC 7300LC |
| FPU: | Integrated |
| Number of CPU(s): | 1 |
| Primary Cache: | 64KBI+64KBD on-chip |
| Secondary Cache: | 1MB(I+D) off-chip |
| Other Cache: | None |
| Memory: | 128MB |
| Disk Subsystem: | 1 Fast/Wide SCSI-2 1.0 GB |
| Other Hardware: | None |

**Software**

| | |
|---|---|
| Operating System: | HP-UX B.10.20 |
| Compiler: | HP92453-01 A.10.32.03 HP C Compiler |
| File System: | HP-UX |
| System State: | Multi-user |

| Benchmark # and Name | Reference Time | Base Run Time | Base SPEC Ratio | Run Time | SPEC Ratio |
|---|---|---|---|---|---|
| 099.go | 4600 | 471 | 9.76 | 466 | 9.87 |
| 124.m88ksim | 1900 | 280 | 6.78 | 243 | 7.82 |
| 126.gcc | 1700 | 236 | 7.19 | 234 | 7.27 |
| 129.compress | 1800 | 288 | 6.25 | 243 | 7.41 |
| 130.li | 1900 | 255 | 7.45 | 240 | 7.91 |
| 132.ijpeg | 2400 | 392 | 6.12 | 362 | 6.64 |
| 134.perl | 1900 | 242 | 7.86 | 229 | 8.30 |
| 147.vortex | 2700 | 350 | 7.70 | 334 | 8.09 |
| SPECint_base95 (G. Mean) | | | 7.32 | | |
| | | SPECint95 (G. Mean) | | | 7.87 |

## Notes/Tuning Information

```
Portability Flags (base & peak): All: -Ae

Base Flags:
All: fastmem.o +Oall +I/+P
Linker Flag:  All: -Wl,-aarchive

Peak Flags:
All: +ESfic +ESlit +O4 +I/+P
099: +Oentrysched +Olibcalls +nofastaccess +Onolimit +Onoloop_unroll +Optrs_strongly_typed
124: +Oaggressive +Onoparmsoverlap +Optrs_strongly_typed
126: -DSPEC +Olibcalls +Onolimit
129: +Olibcalls +Onofltacc +Onolimit +Optrs_strongly_typed +Owhole_program_mode
130: -lm +ESsfc +Oentrysched +Olibcalls +Onolimit +Onoloop_unroll +Onoptrs_to_globals +Owhole_program_mode
132: +ESsfc +Olibcalls +Onolimit +Optrs_strongly_typed +Owhole_program_mode
134: fastmem.o -lm +Olibcalls +Onolimit +Owhole_program_mode
147: fastmem.o -lm +Oentrysched +Olibcalls +Onolimit +Onoloop_unroll +Optrs_strongly_typed
Linker Flag:  All: -Wl,-aarchive

Note: The +I/+P indicates the use of profile based optimization.
```

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