# SPEC CINT95rate Results

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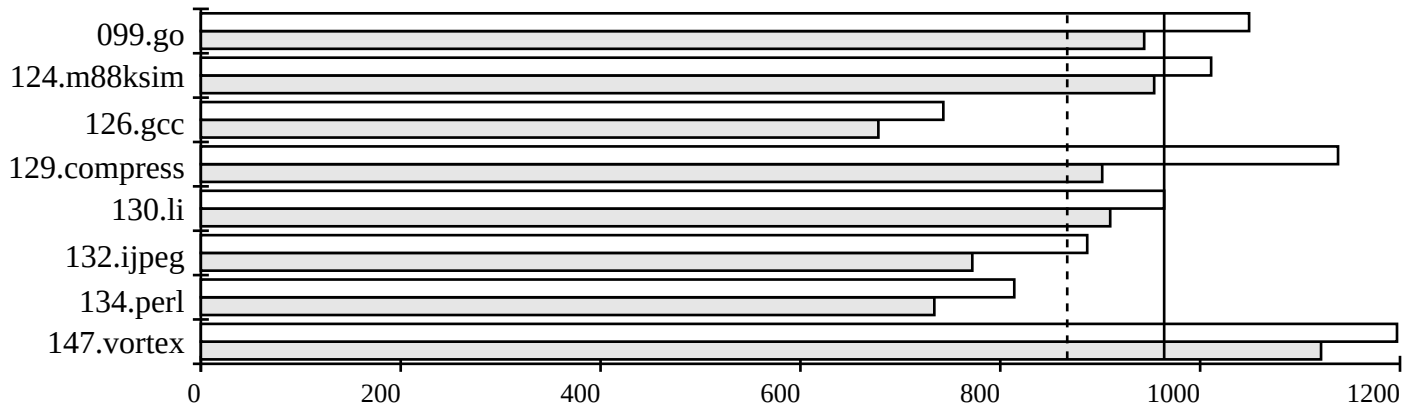
## Hewlett-Packard
## HP 9000 Model V2200 8-CPU

| | |
|---|---|
| SPECint_rate95 = | 964 |
| SPECint_rate_base95 = | 867 |

| SPEC license # 3 | Tested By: HP Cupertino, CA | Test Date: Jan-98 | Hardware Avail: Sep-97 | Software Avail: Sep-97 |
|---|---|---|---|---|




Hardware/Software Configuration for:
HP 9000 Model V2200 8-CPU

**Hardware**

| | |
|---|---|
| Model Name: | HP 9000 Model V2200 8-CPU |
| CPU: | 200MHz PA-RISC 8200 |
| FPU: | Integrated |
| Number of CPU(s): | 8 |
| Primary Cache: | 2MBI+2MBD off-chip |
| Secondary Cache: | None |
| Other Cache: | None |
| Memory: | 4GB |
| Disk Subsystem: | 2 FWD SCSI 2.0GB |
| Other Hardware: | None |

**Software**

| | |
|---|---|
| Operating System: | HP-UX B.11.00 |
| Compiler: | HP92453-01 A.11.00.01 |
| File System: | HFS |
| System State: | Multi-user |

| Benchmark # and Name | Base Copies | Base Run Time | Base SPEC Ratio | Copies | Run Time | SPEC Ratio |
|---|---|---|---|---|---|---|
| 099.go | 8 | 351 | 944 | 8 | 316 | 1049 |
| 124.m88ksim | 8 | 143 | 954 | 8 | 135 | 1011 |
| 126.gcc | 8 | 181 | 678 | 8 | 165 | 743 |
| 129.compress | 8 | 144 | 902 | 8 | 114 | 1138 |
| 130.li | 8 | 150 | 910 | 8 | 142 | 964 |
| 132.ijpeg | 8 | 224 | 772 | 8 | 195 | 887 |
| 134.perl | 8 | 186 | 734 | 8 | 168 | 814 |
| 147.vortex | 8 | 173 | 1121 | 8 | 162 | 1197 |
| SPECint_rate_base95 (G. Mean) | | | 867 | | | |
| | | | SPECint_rate95 (G. Mean) | | | 964 |

## 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 +Ostaticprediction
124: +Oaggressive +Onoparmsoverlap +Optrs_strongly_typed +Ostaticprediction
126: -DSPEC +Olibcalls +Onolimit +Ostaticprediction
129: +Odataprefetch +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 +Odataprefetch +Olibcalls +Onolimit +Optrs_strongly_typed +Owhole_program_mode
134: fastmem.o -lm +Olibcalls +Onolimit +Owhole_program_mode +Odataprefetch
147: fastmem.o -lm +Oentrysched +Olibcalls +Onolimit +Onoloop_unroll +Optrs_strongly_typed +Ostaticprediction
Linker Flag:  All: -Wl,-aarchive

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