# SPEC CINT95rate Results

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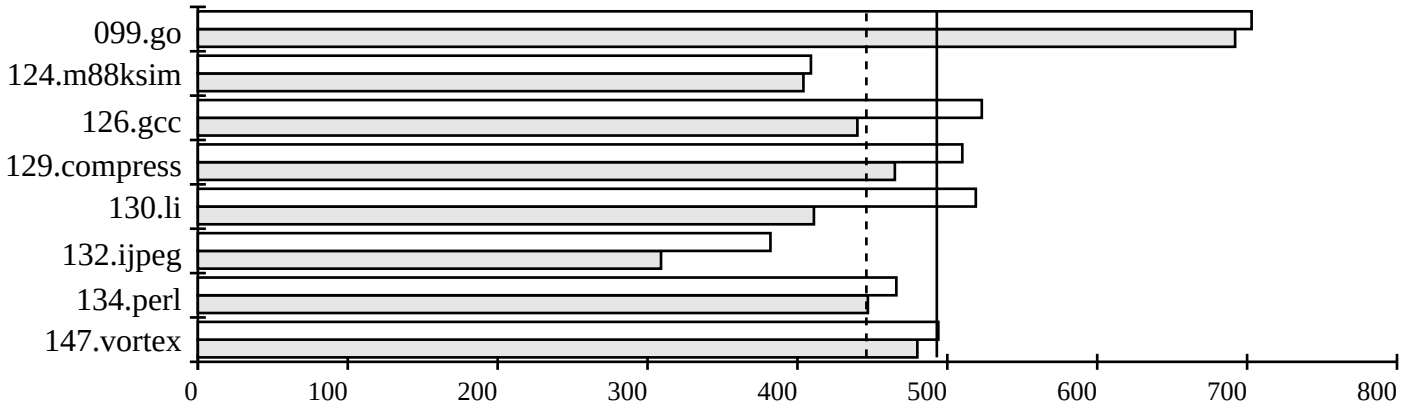
## BULL S.A.
## T450 (3 CPU)

SPECint_rate95 = 493

SPECint_rate_base95 = 446

SPEC license # 20 | Tested By: BULL Echirolles France | Test Date: Dec-1999 | Hardware Avail: Mar-2000 | Software Avail: Dec-1999




Hardware/Software Configuration for:
T450 (3 CPU)

**Hardware**

| | |
|---|---|
| Model Name: | T450 (3 CPU) |
| CPU: | 400MHz PowerPC RS64-III |
| FPU: | Integrated |
| Number of CPU(s): | 3 |
| Primary Cache: | 128KBI + 128KBD on chip |
| Secondary Cache: | 4MB(I+D) off chip |
| Other Cache: | None |
| Memory: | 8192 MB |
| Disk Subsystem: | 2 x 9.1GB Seagate ST39103LC |
| Other Hardware: | -- |

**Software**

| | |
|---|---|
| Operating System: | AIX 4.3.3.0 |
| Compiler: | IBM C/C++ Ver. 3.6.6.0 |
| File System: | AIX/JFS, Fast SCSI |
| System State: | Multi-User (killall) |

| Benchmark # and Name | Base Copies | Base Run Time | Base SPEC Ratio | Copies | Run Time | SPEC Ratio |
|---|---|---|---|---|---|---|
| 099.go | 3 | 179 | 692 | 3 | 177 | 703 |
| 124.m88ksim | 3 | 127 | 404 | 3 | 125 | 409 |
| 126.gcc | 3 | 104 | 440 | 3 | 88 | 523 |
| 129.compress | 3 | 104 | 465 | 3 | 95 | 510 |
| 130.li | 3 | 125 | 411 | 3 | 99 | 519 |
| 132.ijpeg | 3 | 210 | 309 | 3 | 170 | 382 |
| 134.perl | 3 | 115 | 447 | 3 | 110 | 466 |
| 147.vortex | 3 | 152 | 480 | 3 | 147 | 494 |
| SPECint_rate_base95 (G. Mean) | | | 446 | | | |
| SPECint_rate95 (G. Mean) | | | | | | 493 |

### Notes/Tuning Information

```
Base: -O4 -Q=450 -lhmu -qpdf1/2
Peak:
099: -O4 -Q=550 -qipa=noobject -lhmu -qpdf1/2
124: -O4 -Q=450 -qipa=noobject -qansialias  -qpdf1/2; fdpr -R3
126: -O -qdatalocal -qassert=addr -qinglue -qpdf1/2
-bnso -bI:/lib/syscalls.exp; fdpr -R3
129: -O3 -Q=500 -lhmu -qpdf1/2
130: -O3 -qarch=ppc -qipa=noobject -qlibansi -qpdf1/2; fdpr -R3
132: -O3 -qarch=ppc -qtune=604 -qunroll=4 -bnso
/lib/syscalls.exp
134: -O3 -qarch=ppc -qipa=noobject -Q=200 -qinglue
-Dlongjmp=_longjmp -qansialias -qunroll=4 -qpdf1/2  -bnso
-bI:/lib/syscalls.exp /usr/ccs/lib/bmalloc.o
147: -O3 -qarch=ppc -qtune=604 -qipa=noobject -Q=500 -lhm  -lhu
```