





# IBM RS/6000 Workgroup Server F50 c/s

**TPC-C Rev. 3.3**  
**Report Date: February 12, 1998**

Description	Part Number	Third Party		Unit Price	Qty	Extended Price	5 yr. Maint Price
		Brand	Pricing				
<b>Server Hardware</b>							
RS/6000 Server Model F50	7025-F50			<b>23,900</b>	1	23,900	11,952
1MACH5, 128mb Memory, 4.5GB Disk, CDROM, 2 Intg SCSI2 F/W Adptr, Intg Ethernet Adapter							
MACH5 2way Proc Select, 2-256kb L2	4338		1	4,000	1	4,000	3,120
MACH5 2way Proc Card, 2-256kb L2	4320		1	12,000	1	12,000	6,240
256MB DIMM Memory Select	4106		1	3,200	1	3,200	0
256MB DIMM Memory Modules	4110		1	6,400	11	70,400	0
Memory Expansion Feature 2nd Card	4093		1	1,038	1	1,038	0
9.1GB Hot Swap SCSI Disk Select	3019		1	1,800	1	1,800	0
9.1GB SSA Hot Swap Disk	3072		1	3,400	4	13,600	0
16-bit Integrated SCSI Adapter Cable	2444		1	66	1	66	0
PCI Ethernet Adapter	2985		1	195	4	780	0
PCI SSA 4port RAID Adapter	6218		1	2,500	3	7,500	0
SSA 6-pack Internal Bays	6539		1	375	2	750	0
Cable Assembly: 6-pack to SSA Adapter	2450		1	45	2	90	0
System Rack Model R00	7015-R00		1	3,110	2	6,220	2,976
SSA Disk Subsystem w/ 4 4.5GB Disk	7133-020		1	19,350	10	193,500	96,000
4.5 GB Disk Drive Module	3401		1	2,100	110	231,000	0
Async Terminal/Printer Cable	2934		1	45	1	45	0
SSA Cables	5010		1	40	20	800	0
				<b>Subtotal</b>		<b>570,689</b>	<b>120,288</b>
<b>Server Software</b>							
AIX 4.2.1 F50 + Support	5765-C34		1	240	1	240	0
Adaptive Server Enterprise 11.5 incl Client		Sybase	2	35,995	1	35,995	28,000
				<b>Subtotal</b>		<b>36,235</b>	<b>28,000</b>
<b>Client Hardware</b>							
RS/6000 Model 43P-140, 233 MHz	7043-140		1	8,000	5	40,000	16,800
2.1gb Disk, Intg SCSI-2 FW, Intg Enet							
128MB DIMM Memory	4102		1	1,280	5	6,400	0
128MB DIMM Memory Expansion	4115		1	2,560	10	25,600	0
Async Terminal/Printer Cable	2934		1	45	5	225	0
3Com Fast Ethernet XL	2986		1	275	5	1,375	0
Ethernet Adapter, PCI	2985		1	195	5	975	0
				<b>Subtotal</b>		<b>74,575</b>	<b>16,800</b>
<b>Client Software</b>							
AIX 4.1.5 Unlimited Users	5756-C34		1	3,660	5	18,300	0
Tuxedo EPT Ver 6.2, 43P Client		BEA	3	3,000	5	15,000	11,250
				<b>Subtotal</b>		<b>33,300</b>	<b>11,250</b>
<b>User Connectivity</b>							
Ethernet Hub (24port)	AT3024TR	CentreCOM	4	216	330	71,264	0
Ethernet Hub 10% Spares	AT3024TR	CentreCOM	4	216	33	7,126	0
IBM ASCII Terminal, Keyboard	3153-BG3		1	577	6	3,462	3,960
				<b>Subtotal</b>		<b>81,852</b>	<b>3,960</b>
						<b>Discounts</b>	<b>(300,270) (43,880)</b>
						<b>Total</b>	<b>496,381 136,418</b>
Notes:							
Pricing Sources:				<b>Five-Year Cost of Ownership:</b>			<b>632,799</b>
1=Dickens Data, 2=Sybase, 3=BEA Systems, 4=Data Comm Warehouse				<b>tpm C Rating:</b>			<b>9,853.13</b>
Audited by: Francois Raab, Information Paradigm				<b>\$/tpm C:</b>			<b>64.22</b>

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to these terms, please inform the TPC at [pricing@tpc.org](mailto:pricing@tpc.org). Thank you

# Numerical Quantities Summary for the IBM RS/6000 F50

**MQTH**, computed Maximum Qualified Throughput: 9,853.13 tpmC

Repeatability Run: 9,847.53 tpmC 0.5% difference

<u>Response Times (in seconds)</u>	<u>90th Percentile</u>	<u>Average</u>
New Order	0.89	0.49
Payment	0.76	0.37
Order-Status	0.99	0.58
Delivery (interactive)	0.21	0.15
Delivery (deferred)	2	1
Stock-Level	3.03	1.54
Menu	0.01	0

<u>Transaction Mix, in percent of total transactions</u>	<u>Percent</u>
New Order	44.83%
Payment	43.08%
Order-Status	4.03%
Delivery	4.03%
Stock-Level	4.01%

<u>Keying/Think Times (in seconds)</u>	<u>Min.</u>	<u>Average</u>	<u>Max.</u>
New Order	18.00/0.01	18.00/12.11	18.11/121.00
Payment	3.00/0.01	3.00/12.15	3.10/121.00
Order-Status	2.00/0.01	2.00/10.10	2.10/88.00
Delivery	2.00/0.01	2.00/5.10	2.09/51.00
Stock-Level	2.00/0.01	2.00/5.14	2.10/51.00

## Test Duration

Ramp-up Time	33 min 18 sec
Measurement interval	30 minutes
Transactions during measurement interval (all types)	659,353
Ramp-down time	10 minutes

## Checkpointing

Number of checkpoints	1
Checkpoint interval	30