

CD-ROM Drive review - Issue 21											
Absolute and comparative performance											
Manufacturers name and drive model	Hitachi CDR-1850S	Hitachi CDR-1900S	Hitachi CDR-6700	IBM Enhanced Internal CD- ROM-II drive	IBM Internal ISA CD-ROM	Media Vision Pro 16 Multimedia System	Mitsumi CRMC LU005S	NEC CDR-25	NEC CDR-38	Panasonic CR-533B	Panasonic CR-562B
Absolute average positive seek time in mSec.	356.46	355.08	366.07	241.42	470.81	323.83	346.15	1136.33	522.66	349.24	466.35
Absolute average negative seek time in mSec.	358.52	408.31	384.27	231.46	486.61	350.62	296.16	1103.02	774.73	437.5	478.02
Absolute average transfer rate below 75 sectors in Kb/Sec.	170.32	187.84	187.67	363.08	214.59	173.91	102.43	103.05	182.41	199.95	215.69
Absolute average transfer rate above 75 sectors in Kb/Sec.	133.19	259	259.33	303.6	277.25	246.7	134.92	132.53	259.96	272.38	277.34
Relative average positive seek time	3.19	3.20	3.10	4.71	2.41	3.51	3.28	1.00	2.17	3.25	2.44
Relative average negative seek time	3.08	2.70	2.87	4.77	2.27	3.15	3.72	1.00	1.42	2.52	2.31
Relative average transfer rate below 75 sectors	1.65	1.82	1.82	3.52	2.08	1.69	0.99	1.00	1.77	1.94	2.09
Relative average transfer rate above 75 sectors	1.00	1.95	1.96	2.29	2.09	1.86	1.02	1.00	1.96	2.06	2.09
Overall relative performance (arithmetic mean)	2.23	2.42	2.44	3.82	2.21	2.55	2.25	1.00	1.83	2.44	2.23
Geometric mean	2.01	2.36	2.37	3.67	2.21	2.43	1.88	1.00	1.81	2.39	2.23
PUBLISH ONLY THE DATA WITHIN THIS BOX											
Manufacturers name and drive model	NEC CDR-25	SYDOS Executive CD	SYDOS Personal CD	NEC CDR-38	Philips CM 215	IBM Internal ISA CD-ROM	Panasonic CR-562B	Panasonic CR-562S	Toshiba XM-4101B	Sony CDU561-01	Hitachi CDR-6700
Sorted relative positive seek times	1.00	1.39	1.53	2.17	2.27	2.41	2.44	2.44	2.47	2.99	3.10
Absolute average positive seek time in mSec.	1136.33	817.65	741.42	522.66	501.38	470.81	466.35	466.35	460.51	379.81	366.07
Manufacturers name and drive model	NEC CDR-25	SYDOS Personal CD	SYDOS Executive CD	Toshiba XM-4101B	NEC CDR-38	IBM Internal ISA CD-ROM	Panasonic CR-562B	Panasonic CR-562S	Philips CM 215	Panasonic CR-533B	Sony CDU561-01
Sorted relative negative seek times	1.00	1.39	1.41	1.42	1.42	2.27	2.31	2.31	2.40	2.52	2.56
Absolute average negative seek time in mSec.	1103.02	795.33	780.22	779.19	774.73	486.61	478.02	478.02	459.14	437.50	430.63
Manufacturers name and drive model	SYDOS Personal CD	SYDOS Executive CD	Philips CM 215	Mitsumi CRMC LU005S	NEC CDR-25	Hitachi CDR-1850S	Media Vision Pro 16 Multimedia System	Toshiba KT-3301SAK	NEC CDR-38	Hitachi CDR-1900S	Hitachi CDR-6700
Sorted relative transfer rate below 75 sectors	0.88	0.91	0.98	0.99	1.00	1.65	1.69	1.76	1.77	1.82	1.82
Absolute average transfer rate below 75 sectors in Kb/Sec.	90.31	94.11	100.70	102.43	103.05	170.32	173.91	181.07	182.41	187.67	187.84
Manufacturers name and drive model	SYDOS Personal CD	SYDOS Executive CD	NEC CDR-25	Hitachi CDR-1850S	Mitsumi CRMC LU005S	Philips CM 215	Toshiba KT-3301SAK	Media Vision Pro 16 Multimedia System	Hitachi CDR-1900S	Hitachi CDR-6700	NEC CDR-38

Sorted relative transfer rate above 75 sectors	0.82	0.99	1.00	1.00	1.02	1.03	1.05	1.86	1.95	1.96	1.96
Absolute average transfer rate above 75 sectors in Kb/Sec.	109.08	131.38	132.53	133.19	134.92	136.05	139.58	246.70	259.00	259.33	259.96
Manufacturers name and drive model	NEC CDR-25	SYDOS Personal CD	SYDOS Executive CD	Philips CM 215	NEC CDR-38	Mitsumi CRMC LU005S	Hitachi CDR-1850S	Toshiba KT-3301SAK	Toshiba XM-4101B	IBM Internal ISA CD-ROM	Panasonic CR-562B
	1.00	1.11	1.15	1.53	1.81	1.88	2.01	2.08	2.10	2.21	2.23
Manufacturers name and drive model	NEC CDR-25	SYDOS Personal CD	SYDOS Executive CD	Philips CM 215	NEC CDR-38	Toshiba XM-4101B	Hitachi CDR-6700	Hitachi CDR-1900S	IBM Internal ISA CD-ROM	Hitachi CDR-1850S	Panasonic CR-562B
Overall relative performance (calc. as arithmetic mean)	1.00	1.15	1.18	1.67	1.83	2.16	2.44	2.42	2.21	2.23	2.23

Panasonic CR-562S	Philips CM 215	Pioneer DRM604X	Sony CDU561-01	SYDOS Executive CD	SYDOS Personal CD	TEAC CD-50	Texel DM-5024	Toshiba KT-3301SAK	Toshiba KT-3401SAK	Toshiba XM-4101B	
466.35	501.38	274.73	379.81	817.65	741.42	346.15	364.35	364.01	251.37	460.51	
478.02	459.14	384.62	430.63	780.22	795.33	296.36	300.82	343.41	243.48	779.19	
215.69	100.7	594.42	191.28	94.11	90.31	211.97	190.82	181.07	315.47	273.76	
277.34	136.05	511.19	265.58	131.38	109.08	292.19	262.14	139.58	303.98	276.25	
2.44	2.27	4.14	2.99	1.39	1.53	3.28	3.12	3.12	4.52	2.47	
2.31	2.40	2.87	2.56	1.41	1.39	3.72	3.67	3.21	4.53	1.42	
2.09	0.98	5.77	1.86	0.91	0.88	2.06	1.85	1.76	3.06	2.66	
2.09	1.03	3.86	2.00	0.99	0.82	2.20	1.98	1.05	2.29	2.08	
2.23	1.67	4.16	2.35	1.18	1.15	2.82	2.65	2.29	3.60	2.16	
2.23	1.53	4.03	2.31	1.15	1.11	2.73	2.54	2.08	3.46	2.10	
Texel DM-5024	Toshiba KT-3301SAK	Hitachi CDR-1850S	Hitachi CDR-1900S	Panasonic CR-533B	Mitsumi CRMC LU005S	TEAC CD-50	Media Vision Pro 16 Multimedia System	Pioneer DRM604X	Toshiba KT-3401SAK	IBM Enhanced Internal CD- ROM-II drive	
3.12	3.12	3.19	3.20	3.25	3.28	3.28	3.51	4.14	4.52	4.71	
364.35	364.01	356.46	355.08	349.24	346.15	346.15	323.83	274.73	251.37	241.42	
Hitachi CDR-1900S	Pioneer DRM604X	Hitachi CDR-6700	Hitachi CDR-1850S	Media Vision Pro 16 Multimedia System	Toshiba KT-3301SAK	Texel DM-5024	TEAC CD-50	Mitsumi CRMC LU005S	Toshiba KT-3301SAK	IBM Enhanced Internal CD- ROM-II drive	
2.70	2.87	2.87	3.08	3.15	3.21	3.67	3.72	3.72	4.53	4.77	
408.31	384.62	384.27	358.52	350.62	343.41	300.82	296.36	296.16	243.48	231.46	
Texel DM-5024	Sony CDU561-01	Panasonic CR-533B	TEAC CD-50	IBM Internal ISA CD-ROM	Panasonic CR-562B	Panasonic CR-562S	Toshiba XM-4101B	Toshiba KT-3401SAK	IBM Enhanced Internal CD- ROM-II drive	Pioneer DRM604X	
1.85	1.86	1.94	2.06	2.08	2.09	2.09	2.66	3.06	3.52	5.77	
190.82	191.28	199.95	211.97	214.59	215.69	215.69	273.76	315.47	363.08	594.42	
Texel DM-5024	Sony CDU561-01	Panasonic CR-533B	Toshiba XM-4101B	IBM Internal ISA CD-ROM	Panasonic CR-562B	Panasonic CR-562S	TEAC CD-50	IBM Enhanced Internal CD- ROM-II drive	Toshiba KT-3401SAK	Pioneer DRM604X	

1.98	2.00	2.06	2.08	2.09	2.09	2.09	2.20	2.29	2.29	3.86	
262.14	265.58	272.38	276.25	277.25	277.34	277.34	292.19	303.60	303.98	511.19	
Panasonic CR-562S	Sony CDU561-01	Hitachi CDR-1900S	Hitachi CDR-6700	Panasonic CR-533B	Media Vision Pro 16 Multimedia System	Texel DM-5024	TEAC CD-50	Toshiba KT-3401SAK	IBM Enhanced Internal CD- ROM-II drive	Pioneer DRM604X	
2.23	2.31	2.36	2.37	2.39	2.43	2.54	2.73	3.46	3.67	4.03	
Panasonic CR-562S	Mitsumi CRMC LU005S	Toshiba KT-3301SAK	Sony CDU561-01	Panasonic CR-533B	Media Vision Pro 16 Multimedia System	Texel DM-5024	TEAC CD-50	IBM Enhanced Internal CD- ROM-II drive	Toshiba KT-3401SAK	Pioneer DRM604X	
2.23	2.25	2.29	2.35	2.44	2.55	2.65	2.82	3.82	3.60	4.16	