

MANUFACTURER

CD FORMAT DRIVE

DISK/TREND GROUP

MARKET

MEDIA: Recording technology

DRIVE: Drive type

Relative speed: Read

Relative speed: Write

Rotational speed (RPM)

Interface

Disk insertion

Speed control

CAPACITY/RECORDING DENSITY

Nominal capacity (Gigabytes)

Data surfaces per spindle

Track density (TPI)

Maximum linear density (BPI)

PERFORMANCE

Buffer/cache size (KBytes)

Average positioning time (msec)

Average access time (msec)

Data transfer rate (MBytes/sec)

Internal

External

SIZE (mm: H x W x D)

FIRST CUSTOMER SHIPMENT

COMMENTS

	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA
	XM-1602B	XM-1702B	XM-1802B	XM-1902B	XM-6102
	20	20	20	20	20
	OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST
	Replication	Replication	Replication	Replication	Replication
	CD-ROM	CD-ROM	CD-ROM	CD-ROM	CD-ROM
	8.5X-20X	10.3X-24X	10.3X-24X	10.3X-24X	24X
	--	--	--	--	--
	4505-2400	5200	5200	5200	6360-3200
	IDE/ATAPI	IDE/ATAPI	IDE/ATAPI	IDE/ATAPI	IDE/ATAPI
	Tray	Tray	Tray	Tray	Tray
	CAV/CLV	CAV	CAV	CAV	CAV
	F: .65	F: .65	F: .65	F: .65	F: .65
	1	1	1	1	1
	15875	15875	15875	15875	15875
	25400	27600	25400	27600	25400
	128	128	128	128	256
	125	100	100	90	85
	135	110	110	99	90
	1.28-3.0	1.545-3.6	1.545-3.6	1.545-3.6	3.6
	11.1 PIO Mode 3	16.7 PIO Mode 4	16.7 PIO Mode 4	33.3 Ultra DMA	13.3 PIO Mode 3
	12.7 x 128 x 129	12.7 x 128 x 129	12.7 x 128 x 129	12.7 x 128 x 129	41.1 x 144.5 x 188.2
	2Q97	4Q97	Q298	Q199	2Q97
			MultiRead.		MultiRead.

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**COMMENTS**

TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA
XM-6201B XM-6201F1	XM-6202B	XM-6202S	XM-6302B	XM-6401B
20	20	20	20	20
OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST
Replication	Replication	Replication	Replication	Replication
CD-ROM	CD-ROM	CD-ROM	CD-ROM	CD-ROM
13.8X-32X	13.8X-32X	13.8X-32X	13.8X-32X	17.3X-40X
--	--	--	--	--
6900	6900	6900	6900	8500
SCSI-2	IDE/ATAPI	IDE/ATAPI	IDE/ATAPI	Ultra SCSI
Tray	Tray	Slot	Tray	Tray
CAV	CAV	CAV	CAV	CAV
F: .65	F: .65	F: .65	F: .65	F: .65
1	1	1	1	1
15875	15875	15875	15875	15875
27600	27600	27600	25400	27600
256	256	256	256	256
85	78	78	80	75
90	83	83	85	80
2.07-4.8 10.0 synchron.	2.07-4.8 16.7 PIO Mode 4	2.07-4.8 16.7 PIO Mode 4	2.07-4.8 16.7 PIO Mode 4	2.6-6.0 20 synchron.
41.5 x 146 x 193	41.5 x 148 x 193	41.5 x 146 x 190	41.5 x 146 x 193	41.5 x 146 x 193
4Q97	4Q97	4Q97	1Q98	Q498
F1 model is external mount.  MultiRead.	MultiRead.	MultiRead.	MultiRead.	MultiRead.

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Nominal capacity (Gigabytes)

Data surfaces per spindle

Track density (TPI)

Maximum linear density (BPI)

PERFORMANCE

Buffer/cache size (KBytes)

Average positioning time (msec)

Average access time (msec)

Data transfer rate (MBytes/sec)

Internal

External

SIZE (mm: H x W x D)

FIRST CUSTOMER SHIPMENT

COMMENTS

	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA
	XM-6402B	XM-6502B	SD-C2002	SD-C2102	SD-C2202
	20	20	21	21	21
	OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST
	Replication	Replication	Phase Change	Replication	Replication
	CD-ROM	CD-ROM	DVD-ROM	DVD-ROM	DVD-ROM
	13.8X-32X	17.3X-40X	2X/16X*	2.4X/20X*	4X/32X*
	--	--	--	--	--
	6900	8500			
	IDE/ATAPI	IDE/ATAPI	IDE/ATAPI	IDE/ATAPI	IDE/ATAPI
	Tray	Tray	Tray	Tray	Tray
	CAV	CAV	CLV	CLV/CAV	CAV
	F: .65	F: .65	F: 4.700/8.750	F: 4.7/8.5/.65*	F: 4.7/8.5
	1	1	1, 2	1, 2	1
	15875	15875	34324	34324	34324
	27600	27600	96000	96000	96000
	128	128		128	128
	80	75	110/110*	140/105*	160
	85	80	180/120	160/110*	
	2.07-4.8	2.6-6.0	2.7/2.4*	3.268/3.0*	5.4/3.6*
	33.3 Ultra DMA	33.3 Ultra DMA	16.7 PIO Mode 4	16.7 PIO Mode 4	
	41.5 x 146 x 193	41.5 x 146 x 193	17 x 133.1 x 128	12.7 x 128 x 129	12.7 x 128 x 129
	4Q98	1Q99	4Q97	6/98	1998
		MultiRead.	*CD-ROM mode.	*CD-ROM mode.	*CD-ROM mode. MultiRead.

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**CAPACITY/RECORDING DENSITY**

Nominal capacity (Gigabytes)

Data surfaces per spindle

Track density (TPI)

Maximum linear density (BPI)

**PERFORMANCE**

Buffer/cache size (KBytes)

Average positioning time (msec)

Average access time (msec)

Data transfer rate (MBytes/sec)

Internal  
External

**SIZE (mm: H x W x D)**

**FIRST CUSTOMER SHIPMENT**

**COMMENTS**

TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA
SD-M1201	SD-M1202	SD-M1212	SD-W1001	SD-W1002
21	21	21	22	22
OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST	OEM, DIST
Replication	Replication	Replication	Phase Change	Phase Change
DVD-ROM	DVD-ROM	DVD-ROM	DVD-RAM	DVD-RAM
2.1X-5X/32X*	2X-4.8X/32X*	2.5X-6X/32X*	1X/16X*	1X/16X*
--	--	--	1X	1X
2900/6900*	2800/6900*	3500/6900*		
Ultra SCSI	IDE/ATAPI	IDE/ATAPI	SCSI-2	IDE/ATAPI
Tray	Tray	Tray	Tray	Tray
CAV	CAV	CAV	ZCAV	ZCAV
F: 4.7/8.5/.65*	F: 4.7/8.5/.65*	F: 4.7/8.5/.65*	F: 2.6	F: 2.6
1, 2	1, 2	1, 2	1	1
34324	34324	34324	34324	34324
96000	96000	96000	62000	62000
256	256	256	256	256
105/90*	105/90*	90/80*	150/130*	150/130*
135/95*	135/95*	110/85*		
2.8-6.76/4.8*	2.7-6.535/4.8*	8.11/4.8*	1.35/2.4*	1.35/2.4*
20 synch.	16.7 PIO Mode 4	16.7/33.3 UDMA	10.0	16.7 PIO Mode 4
41.5 x 146 x 193	41.5 x 146 x 193	41.5 x 146 x 193	41.3 x 146 x 203	41.3 x 146 x 203
1Q99	6/98	1Q99	1Q98	1Q98
*CD-ROM mode. MultiRead.	*CD-ROM mode.	*CD-ROM mode. MultiRead.	*CD-ROM mode.	*CD-ROM mode.

<b>MANUFACTURER</b>	TOSHIBA	TOSHIBA
<b>CD FORMAT DRIVE</b>		
	SD-W1101	SD-W1111
<b>DISK/TREND GROUP</b>	22	22
<b>MARKET</b>	OEM, DIST	OEM, DIST
<b>MEDIA:</b> Recording technology	Phase Change	Phase Change
<b>DRIVE:</b> Drive type	DVD-RAM	DVD-RAM
Relative speed: Read	2X/6.6X-16X*	2X/16X*
Relative speed: Write	1X	1X
Rotational speed (RPM)	2400/2800/3516*	2400/2800/3516*
Interface	SCSI-2	SCSI-2
Disk insertion	Tray, Caddy	Tray
Speed control	ZCAV	ZCAV
<b>CAPACITY/RECORDING DENSITY</b>		
Nominal capacity (Gigabytes)	F: 2.6	F: 2.6
Data surfaces per spindle	1	1
Track density (TPI)	34324	34324
Maximum linear density (BPI)	62000	62000
<b>PERFORMANCE</b>		
Buffer/cache size (KBytes)	256	2000
Average positioning time (msec)	180/260/150*	180
Average access time (msec)	120/210/140*	
Data transfer rate (MBytes/sec)		
Internal	1.37/2.7/2.4	1.37/2.7/2.4*
External	10.0 synch.	20 synch.
<b>SIZE (mm: H x W x D)</b>	41.3 x 146 x 203	41.3 x 146 x 203
<b>FIRST CUSTOMER SHIPMENT</b>	2Q98	3Q99
<b>COMMENTS</b>	*CD-ROM mode.  RPM is max. rating.	*CD-ROM mode.