

MANUFACTURER	IOMEGA	JTS	JTS	MAXTOR	MAXTOR
DRIVE					
	Jaz 1GB SCSI	N2840AR Nordic	P3540	7270AV	7273A
DISK/TREND GROUP	1	6	6	4	4
MARKET	OEM, PCM	OEM	OEM, PCM	OEM, PCM	OEM, PCM
MEDIA: Disk diameter	95 mm	84 mm	95 mm	95 mm	95 mm
Recording medium	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
DRIVE: Heads	Thin Film	MIG	MIG	Thin Film	
Interface	SCSI-2	IDE	IDE	IDE	IDE
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	--	F: 641.7	--	F: 270	F: 273
REMOVABLE	F: 540/1,070	--	F: 540	--	--
Capacity per track (Bytes)	Varies by zone	Varies by zone	Varies by zone	Varies by zone	Varies by zone
Data surfaces per spindle	4	4	4	2	2
Tracks per surface	4204	3303	1024	2666	2771
Track density (TPI)	4301	4280	3300	3100	3050
Maximum linear density (BPI) (FCI)	89200 66900	74246 55685	56830 42662	64100 48075	68500 51375
Areal density (Mb/square inch)	383.6	317.8	187.5	198.7	208.9
Recording code	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL
Rotational speed (RPM)	5400	4103	4200	3551	4500
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Embedded	Embedded	Embedded	Embedded	Embedded
Average positioning time (msec)	10 RD/12 WR	15 RD/16 WR	11/16.5	14	12
Average rotational delay (msec)	5.6	7.3	7.14	8.45	6.7
Average access time (msec)	15.6 RD/17.6 WR	22.3 RD/23.3 WR	18.14/23.64	22.45	18.7
Data transfer rate (MBytes/sec) Internal, min/max External	3.5/6.7 10.0 synch. 5.0 asynch.	--/5.3 16.6 PIO Mode 4	10.0	2.7/4.7 11.1 PIO Mode 3 13.3 DMA Mode 1	3.5/5.6 11.1 PIO Mode 3 13.3 DMA Mode 1
SIZE: (mm) H x W x D	25.4 x 101.6 x 149.9	10.5 x 90 x 120	12.7 x 101.6 x 146.1	25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1
FIRST CUSTOMER SHIPMENT	4Q95	11/95	4Q93	8/94	4Q93
COMMENTS					

1995 DISK/TREND REPORT

MANUFACTURER

DRIVE

DISK/TREND GROUP

MARKET

MEDIA: Disk diameter

Recording medium

DRIVE: Heads

Interface

CAPACITY/RECORDING DENSITY

Total capacity (Mbytes) FIXED

REMOVABLE

Capacity per track (Bytes)

Data surfaces per spindle

Tracks per surface

Track density (TPI)

Maximum linear density (BPI)
(FCI)

Areal density (Mb/square inch)

Recording code

Rotational speed (RPM)

PERFORMANCE

Actuator type

Servo type

Average positioning time (msec)

Average rotational delay (msec)

Average access time (msec)

Data transfer rate (MBytes/sec)
Internal, min/max
External

SIZE: (mm) H x W x D

FIRST CUSTOMER SHIPMENT

COMMENTS

MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
7420AV	7425AV	250837P Laramie	7540AV	7541A Durango
5	5	6	6	6
OEM, PCM	OEM, PCM	OEM	OEM, PCM	OEM, PCM
95 mm	95 mm	65 mm	95 mm	95 mm
Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
IDE	IDE	IDE	IDE	IDE
F: 422	F: 427	F: 837	F: 540	F: 541
--	--	--	--	--
Varies by zone	Varies by zone	Varies by zone	Varies by zone	Varies by zone
3	2	5	4	2
2666	3721	3196	2666	
3100	3900	5080	3100	4232
64100 48075	73870 55400	92200 69150	64100 48075	92000 69000
198.7	288.1	468.4	198.7	389.3
1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL
3551	3551	4464	3551	4500
Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Embedded	Embedded	Embedded	Embedded	Embedded
14	12	14	14	14
8.45	8.45	6.7	8.45	6.7
22.45	20.45	20.7	22.45	20.7
2.7/4.7 11.1 PIO Mode 3 13.3 DMA Mode 1	2.8/5.3 11.1 PIO Mode 3	--/1.7 11.1 PIO Mode 3	2.7/4.7 11.1 PIO Mode 3 13.3 DMA Mode 1	16.6 PIO Mode 4 16.6 DMA Mode 2
25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1	12.5 x 70 x 100	25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1
8/94	4Q94	4Q95	8/94	6/95

1995 DISK/TREND REPORT

MANUFACTURER

DRIVE

DISK/TREND GROUP

MARKET

MEDIA: Disk diameter

Recording medium

DRIVE: Heads

Interface

CAPACITY/RECORDING DENSITY

Total capacity (Mbytes) FIXED

REMOVABLE

Capacity per track (Bytes)

Data surfaces per spindle

Tracks per surface

Track density (TPI)

Maximum linear density (BPI)
(FCI)

Areal density (Mb/square inch)

Recording code

Rotational speed (RPM)

PERFORMANCE

Actuator type

Servo type

Average positioning time (msec)

Average rotational delay (msec)

Average access time (msec)

Data transfer rate (MBytes/sec)
Internal, min/max
External

SIZE: (mm) H x W x D

FIRST CUSTOMER SHIPMENT

COMMENTS

MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
7546A	7850AV	251005 Laramie	251340 Laramie	71050A Excalibur
6	6	7	7	7
OEM, PCM	OEM, PCM	OEM	OEM	OEM, PCM
95 mm	95 mm	65 mm	65 mm	95 mm
Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
IDE	Thin Film IDE	Thin Film IDE	Thin Film IDE	Thin Film IDE
F: 546	F: 854	F: 1,005	F: 1,340	F: 1,050
--	--	--	--	--
Varies by zone	Varies by zone	Varies by zone	Varies by zone	Varies by zone
4	4	6	8	5
2771	3721	3196	3196	3854
3050	3900	5080	5080	4030
68500 51375	73870 55400	92200 69150	92200 69150	78400 58800
208.9	288.1	468.4	468.4	316.0
1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL
4500	3551	4464	4464	4500
Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Embedded	Embedded	Embedded	Embedded	Embedded
12	12	14	14	12
6.7	8.45	6.7	6.7	6.67
18.7	20.45	20.7	20.7	18.67
3.4/5.5 11.1 PIO Mode 3 13.3 DMA Mode 1	2.8/5.3 11.1 PIO Mode 3	--/.7 11.1 PIO Mode 3	--/.7 11.1 PIO Mode 3	3.9/6.1 11.1 PIO Mode 3 13.3 DMA Mode 1
25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1	12.5 x 70 x 100	12.5 x 70 x 100	25.4 x 101.6 x 146.1
4Q93	4Q94	4Q95	4Q95	11/94

1995 DISK/TREND REPORT

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	71050S Excalibur	71084A Durango	71084AP Durango	71260A Excalibur	71260S Excalibur
DISK/TREND GROUP	7	7	7	7	7
MARKET	OEM, PCM	OEM, PCM	OEM, PCM	OEM, PCM	OEM, PCM
MEDIA: Disk diameter	95 mm	95 mm	95 mm	95 mm	95 mm
Recording medium	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
DRIVE: Heads	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
Interface	SCSI-2	IDE	IDE	IDE	SCSI-2
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 1,050	F: 1,084	F: 1,084	F: 1,260	F: 1,260
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	Varies by zone	Varies by zone	Varies by zone	Varies by zone	Varies by zone
Data surfaces per spindle	5	4	4	6	6
Tracks per surface	3854			3854	3854
Track density (TPI)	4030	4232	4232	4030	4030
Maximum linear density (BPI) (FCI)	78400 58800	92000 69000	92000 69000	78400 58800	78400 58800
Areal density (Mb/square inch)	316.0	389.3	389.3	316.0	316.0
Recording code	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL
Rotational speed (RPM)	4500	4500	4500	4500	4500
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Embedded	Embedded	Embedded	Embedded	Embedded
Average positioning time (msec)	12	14	12	12	12
Average rotational delay (msec)	6.67	6.7	6.7	6.67	6.67
Average access time (msec)	18.67	20.7	18.7	18.67	18.67
Data transfer rate (MBytes/sec) Internal, min/max External	3.9/6.1 10.0 synch. 5.0 asynch.	16.6 PIO Mode 4 16.6 DMA Mode 2	16.6 PIO Mode 4 16.6 DMA Mode 2	3.9/6.1 11.1 PIO Mode 3 13.3 DMA Mode 1	3.9/6.1 10.0 synch. 5.0 asynch.
SIZE: (mm) H x W x D	25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1
FIRST CUSTOMER SHIPMENT	2/95	6/95	6/95	11/94	2/95
COMMENTS					

1995 DISK/TREND REPORT

MANUFACTURER	MAXTOR	MICROPOLIS	MICROPOLIS	MICROPOLIS	MICROPOLIS
DRIVE	71626AP Durango	2210AV	2217AV	4110A Taurus I	4110AV Taurus I
DISK/TREND GROUP	7	7	7	7	7
MARKET	OEM, PCM	OEM, PCM	OEM, PCM	OEM, PCM	OEM, PCM
MEDIA: Disk diameter	95 mm	95 mm	95 mm	95 mm	95 mm
Recording medium	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
DRIVE: Heads	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
Interface	IDE	SCSI-2	SCSI-2	IDE	SCSI-2
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 1,626	F: 1,056	F: 1,765	F: 1,052	F: 1,010
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	Varies by zone	Varies by zone	Varies by zone	Varies by zone	Varies by zone
Data surfaces per spindle	6	9	15	9	9
Tracks per surface		2360	2360	2415	2415
Track density (TPI)	4232	2764	2764	2750	2750
Maximum linear density (BPI) (FCI)	92000 69000	63331 47498	63331 47498	60000 45000	60000 45000
Areal density (Mb/square inch)	389.3	175.0	175.0	165.0	165.0
Recording code	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL
Rotational speed (RPM)	4500	5400	5400	5400	5400
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Embedded	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	12	10	10	8.5	8.5
Average rotational delay (msec)	6.7	5.6	5.6	5.6	5.6
Average access time (msec)	18.7	15.6	15.6	14.1	14.1
Data transfer rate (MBytes/sec) Internal, min/max External	16.6 PIO Mode 4 16.6 DMA Mode 2	4.0/5.0 10.0 synch. 5.0 asynch.	4.0/5.0 10.0 synch. 5.0 asynch.	3.7/5.8 10.0 synch. 5.0 asynch.	3.7/5.8 10.0 synch. 5.0 asynch.
SIZE: (mm) H x W x D	25.4 x 101.6 x 146.1	41.3 x 101.6 x 146.1	41.3 x 101.6 x 146.1	25.4 x 101.6 x 146.1	25.4 x 101.6 x 146.1
FIRST CUSTOMER SHIPMENT	6/95	10/93	10/93	4Q93	
COMMENTS		Optimized for video applications.	Optimized for video applications.		Optimized for video applications.

1995 DISK/TREND REPORT