

MANUFACTURER	MAGTRON	MAGTRON	MAGTRON	MAXTOR	MAXTOR
DRIVE					
	MT4115	MT4140	MT4170	7040A	7040S
DISK/TREND GROUP	6	6	6	4	4
MARKET	OEM, PCM	OEM, PCM	OEM, PCM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD	130 mm OD	130 mm OD	95 mm OD	95 mm OD
Recording medium	40 mm ID Thin Film	40 mm ID Thin Film	40 mm ID Thin Film	25 mm ID Thin Film	25 mm ID Thin Film
DRIVE: Heads	Thin Film	Thin Film	Thin Film		
Interface	ESDI, SCSI	ESDI, SCSI	ESDI, SCSI	PC AT	SCSI
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	U: 138	U: 172	U: 207	F: 40.7	F: 40.0
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	U: 17,920	U: 17,920	U: 17,920	F: 18,432	F: 18,432
Data surfaces per spindle	4	5	6	2	2
Heads per data surface	1	1	1	1	1
Tracks per surface	1600	1600	1600	1170	1155
Track density (TPI)	1460	1460	1460	1490	1490
Maximum linear density (BPI)	20320 BPI	20320 BPI	20320 BPI	30625 BPI	30625 BPI
Recording code	13546 FCI 2,7 RLL	13546 FCI 2,7 RLL	13546 FCI 2,7 RLL	22969 FCI 1,7 RLL	22969 FCI 1,7 RLL
Rotational speed (RPM)	3600	3600	3600	3703	3703
PERFORMANCE					
Actuator type	Linear, Voice Coil	Linear, Voice Coil	Linear, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Embedded	Embedded
Average positioning time (msec)	25	25	25	17	17
Average rotational delay (msec)	8.3	8.3	8.3	8.1	8.1
Average access time (msec)	33.3	33.3	33.3	25.1	25.1
Data transfer rate (KBytes/sec)	1250	1250	1250	1350	1350
FIRST CUSTOMER SHIPMENT	4/89	4/89	4/89	1Q90	1Q90
COMMENTS	41.3 mm high	41.3 mm high	41.3 mm high	25.4 mm high	25.4 mm high

**1990 DISK/TREND REPORT**

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	8051A	8051S	7080A	7080S	XT-1085
DISK/TREND GROUP	4	4	5	5	5
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	95 mm OD 25 mm ID	95 mm OD 25 mm ID	95 mm OD 25 mm ID	95 mm OD 25 mm ID	130 mm OD 40 mm ID
Recording medium	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
DRIVE: Heads	Ferrite	Ferrite			Ferrite
Interface	PC AT	SCSI	PC AT	SCSI	ST412
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 42.7	F: 45.1	F: 81.4	F: 80.7	U: 85.32
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	F: 14,336	F: 14,336	F: 18,432	F: 18,432	U: 10,416
Data surfaces per spindle	4	4	4	4	8
Heads per data surface	1	1	1	1	1
Tracks per surface	745	799	1170	1155	1024
Track density (TPI)	1109	1109	1490	1490	1070
Maximum linear density (BPI)	23202 BPI 15468 FCI	23202 BPI 15468 FCI	30625 BPI 22969 FCI	30625 BPI 22969 FCI	9934
Recording code	2,7 RLL	2,7 RLL	1,7 RLL	1,7 RLL	MFM
Rotational speed (RPM)	3484	3484	3703	3703	3600
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Embedded	Embedded	Embedded	Embedded	Dedicated Surf.
Average positioning time (msec)	28	28	17	17	27
Average rotational delay (msec)	8.6	8.6	8.1	8.1	8.3
Average access time (msec)	36.6	36.6	25.1	25.1	35.3
Data transfer rate (KBytes/sec)	1000	1000	1350	1350	625
FIRST CUSTOMER SHIPMENT	2Q88	1Q88	1Q90	3Q90	2Q83
COMMENTS	41.3 mm high	41.3 mm high	25.4 mm high	25.4 mm high	

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	LXT-100	LXT-200	LXT-213	XT-1120R	XT-1140
DISK/TREND GROUP	6	6	6	6	6
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	95 mm OD	95 mm OD	95 mm OD	130 mm OD	130 mm OD
Recording medium	25 mm ID Thin Film	25 mm ID Thin Film	25 mm ID Thin Film	40 mm ID Thin Film	40 mm ID Thin Film
DRIVE: Heads	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Interface	SCSI, PC AT	SCSI, PC AT	SCSI, PC AT	ST412	ST412
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 96	F: 207	F: 213	U: 127.99*	U: 143.42
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	F: 16,384	*	*	U: 15,624*	U: 10,416
Data surfaces per spindle	8	7	7	8	15
Heads per data surface	1	1	1	1	1
Tracks per surface	733	1320	1320	1024	918
Track density (TPI)	1019	1591	1591	1070	1070
Maximum linear density (BPI)	26229 BPI	28910 BPI		14901 BPI	9280
Recording code	17486 FCI 2,7 RLL	21682 FCI 1,7 RLL	1,7 RLL	9934 FCI 2,7 RLL*	MFM
Rotational speed (RPM)	3600	3600	3600	3600	3600
PERFORMANCE					
Actuator type	Rotary, Torque Motor	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)	29	15	15	27	25.8
Average rotational delay (msec)	8.3	8.3	8.3	8.3	8.3
Average access time (msec)	37.3	23.3	23.3	35.3	34.1
Data transfer rate (KBytes/sec)	1250	1843 max.	1962 max.	937.5*	625
FIRST CUSTOMER SHIPMENT	3Q88	4Q88	3Q90	2Q87	2Q83
COMMENTS	41.3 mm high	41.3 mm high *Varies by zone	41.3 mm high *Varies by zone	*With RLL controller	

## 1990 DISK/TREND REPORT

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	XT-1240R	XT-2190	XT-4170E	XT-4170S	XT-4230E
DISK/TREND GROUP	6	6	6	6	6
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD	130 mm OD	130 mm OD	130 mm OD	130 mm OD
Recording medium	40 mm ID Thin Film	40 mm ID Thin Film	40 mm ID Thin Film	40 mm ID Thin Film	40 mm ID Thin Film
DRIVE: Heads	Ferrite	Ferrite	Thin Film	Thin Film	Thin Film
Interface	ST412	ST412	ESDI	SCSI	ESDI
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	U: 239.98*	U: 191.23	U: 179.45	F: 157.93	U: 230.6
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	U: 15,624*	U: 10,416	U: 20,940	F: 18,432	U: 20,940
Data surfaces per spindle	15	15	7	7	9
Heads per data surface	1	1	1	1	1
Tracks per surface	1024	1224	1224	1224	1224
Track density (TPI)	1070	1070	1070	1070	1070
Maximum linear density (BPI)	14901 BPI	11155	21064 BPI	21064 BPI	21064 BPI
Recording code	9934 FCI 2,7 RLL*	MFM	14043 FCI 2,7 RLL	14043 FCI 2,7 RLL	14042 FCI 2,7 RLL
Rotational speed (RPM)	3600	3600	3600	3600	3600
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	27	28.9	14	14	16
Average rotational delay (msec)	8.3	8.3	8.3	8.3	8.3
Average access time (msec)	35.3	37.2	22.3	22.3	24.3
Data transfer rate (KBytes/sec)	937.5*	625	1250	1500	1250
FIRST CUSTOMER SHIPMENT	2Q87	3Q84	2Q87	2/86	3Q90
COMMENTS	*With RLL controller				

RSPEC-87

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	XT-4280S	LXT-340	XT-4380E	XT-4380S	XT-8380E
DISK/TREND GROUP	6	7	7	7	7
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD 40 mm ID	95 mm OD 25 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID
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	SCSI, PC AT	ESDI	SCSI	ESDI
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 248.17	F: 340	U: 384.53	F: 338.41	U: 410.0
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	F: 18,432	*	U: 20,940	F: 18,432	U: 31,410
Data surfaces per spindle	11	7	15	15	8
Heads per data surface	1	1	1	1	1
Tracks per surface	1224	1560	1224	1224	1632
Track density (TPI)	1070	1613	1070	1070	1376
Maximum linear density (BPI)	21064 BPI 14043 FCI	*	21064 BPI 14043 FCI	21064 BPI 14043 FCI	31596 BPI 21064 FCI
Recording code	2,7 RLL	1,7 RLL	2,7 RLL	2,7 RLL	2,7 RLL
Rotational speed (RPM)	3600	3600	3600	3600	3600
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	16	15	16	16	14.5
Average rotational delay (msec)	8.3	8.3	8.3	8.3	8.3
Average access time (msec)	24.3	23.3	24.3	24.3	22.8
Data transfer rate (KBytes/sec)	1500	8000 max.	1250	1500	1875
FIRST CUSTOMER SHIPMENT	2/86	3Q90	2Q87	4Q87	1Q87
COMMENTS		41.3 mm high *Varies by zone 8 recording bands			

1990 DISK/TREND REPORT

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	XT-8380S	LXT-437	LXT-535	P1-08E	P1-08S
DISK/TREND GROUP	7	8	8	8	8
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD 40 mm ID	95 mm OD 25 mm ID	95 mm OD 25 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID
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	SCSI-2, PC AT	SCSI-2, PC AT	ESDI	SCSI-2
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 360.31	F: 437	F: 535	U: 811	U: 811
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	F: 27,648	*	*	U: 50,644	U: 50,644
Data surfaces per spindle	8	9	11	9	9
Heads per data surface	1	1	1	1	1
Tracks per surface	1632	1560	1560	1778	1778
Track density (TPI)	1376	1600	1600	1498	1498
Maximum linear density (BPI)	31596 BPI 21064 FCI	*	*	52088 BPI 39066 FCI	52088 BPI 35674 FCI
Recording code	2,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL	1,7 RLL
Rotational speed (RPM)	3600	3600	3600	3600	3600
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	14.5	12 read/13 wr.	12 read/13 wr.	12.5	12.5
Average rotational delay (msec)	8.3	8.3	8.3	8.3	8.3
Average access time (msec)	22.8	20.3/21.3	20.3/21.3	20.8	20.8
Data transfer rate (KBytes/sec)	1875	5000 max.	5000 max.	3040	3040
FIRST CUSTOMER SHIPMENT	1Q88	1Q91	1Q91	10/90	10/90
COMMENTS		41.3 mm high *Varies by zone	41.3 mm high *Varies by zone		

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	XT-8610E	XT-8702S	XT-8760E	XT-8760S	XT-8800E
DISK/TREND GROUP	8	8	8	8	8
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD 40 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID
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	ESDI	SCSI	ESDI	SCSI	ESDI
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	U: 615.3	U: 702.0	U: 768.9	F: 675.58	U: 800.5
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	U: 31,410	U: 31,410	U: 31,410	F: 27,648	U: 41,888
Data surfaces per spindle	12	15	15	15	15
Heads per data surface	1	1	1	1	1
Tracks per surface	1632	1490	1632	1632	1274
Track density (TPI)	1376	1376	1376	1376	1376
Maximum linear density (BPI)	32320 BPI 21546 FCI	31596 BPI 21064 FCI	31596 BPI 21064 FCI	31596 BPI 21064 FCI	35020 BPI 21546 FCI
Recording code	2,7 RLL	2,7 RLL	2,7 RLL	2,7 RLL	2,7 RLL
Rotational speed (RPM)	3600	3600	3600	3600	3600
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	16	16.5	16.5	16.5	15
Average rotational delay (msec)	8.3	8.3	8.3	8.3	8.3
Average access time (msec)	24.3	24.3	24.8	24.8	23.3
Data transfer rate (KBytes/sec)	1875	1875	1875	1875	2500
FIRST CUSTOMER SHIPMENT	3Q90	3Q90	1Q87	1Q88	3Q90
COMMENTS					

MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MAXTOR	MAXTOR
DRIVE					
	P0-12S	P1-12E	P1-12S	P1-13E	P1-16E
DISK/TREND GROUP	9	9	9	9	9
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD 40 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID
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	ESDI	SCSI-2	ESDI	ESDI
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	U: 1,195	U: 1,234	U: 1,171	U: 1,351	U: 1,563
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	*	U: 46,246	U: 50,644	U: 50,644	U: 46,246
Data surfaces per spindle	15	15	19	15	19
Heads per data surface	1	1	1	1	1
Tracks per surface	1632	1778	1216	1778	1778
Track density (TPI)	1376	1498	1498	1498	1498
Maximum linear density (BPI)	*	47566 BPI 35674 FCI 1,7 RLL	1,7 RLL	52088 BPI 39066 FCI 1,7 RLL	47566 BPI 35674 FCI 1,7 RLL
Recording code					
Rotational speed (RPM)	3600	3600	3600	3600	3600
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	13	13	10.5	13	13
Average rotational delay (msec)	8.3	8.3	8.3	8.3	8.3
Average access time (msec)	21.3	21.3	18.8	21.3	21.3
Data transfer rate (KBytes/sec)	2125-3750	3040	3040	3040	3040
FIRST CUSTOMER SHIPMENT	9/90	9/89	3/90	9/89	5/90
COMMENTS	*Varies by zone				



MANUFACTURER	MAXTOR	MAXTOR	MAXTOR	MEMOREX TELEX	MEMOREX TELEX
DRIVE	P1-17E	P1-17S	P2-21S	3890-00J4	3890-02J4
DISK/TREND GROUP	9	9	9	8	8
MARKET	OEM	OEM	OEM	PCM	PCM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD	130 mm OD	130 mm OD	210 mm OD	210 mm OD
Recording medium	40 mm ID Thin Film	40 mm ID Thin Film	40 mm ID Thin Film	100 mm ID Oxide Coated	100 mm ID Oxide Coated
DRIVE: Heads	Thin Film	Thin Film	Thin Film	Ferrite	Ferrite
Interface	ESDI	SCSI-2	SCSI-2	IBM	IBM
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	U: 1,712	U: 1,712	U: 2,114	F: 630.24	F: 630.24
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	U: 50,644	U: 50,644	*	F: 47,476	F: 47,476
Data surfaces per spindle	19	19	19	13.5	13.5
Heads per data surface	1	1	1	2	2
Tracks per surface	1778	1778	1778	990	990
Track density (TPI)	1498	1498	1498	1193	1193
Maximum linear density (BPI)	52088 BPI	52088 BPI	*	25211 BPI	25211 BPI
Recording code	39066 FCI 1,7 RLL	39066 FCI 1,7 RLL	1,7 RLL	18908 FCI 1,7 RLL	18908 FCI 1,7 RLL
Rotational speed (RPM)	3600	3600	3600	3620	3620
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	13	13	13	12	12
Average rotational delay (msec)	8.3	8.3	8.3	8.3	8.3
Average access time (msec)	21.3	21.3	21.3	20.3	20.3
Data transfer rate (KBytes/sec)	3040	3040	3040-4000	3000	3000
FIRST CUSTOMER SHIPMENT	5/90	3/90	11/90	1989	1989
COMMENTS			*Varies by zone	PCM 3380J Drive has 8 spindles	PCM 3380J Drive has 16 spindles