

RSPEC-159

MANUFACTURER

DRIVE

DISK/TREND GROUP

MARKET

MEDIA: Generic type

Nominal disk diameter

Recording medium

DRIVE: Heads

Interface

CAPACITY/RECORDING DENSITY

Total capacity (Mbytes) FIXED

REMOVABLE

Capacity per track (Bytes)

Data surfaces per spindle

Heads per data surface

Tracks per surface

Track density (TPI)

Maximum linear density (BPI)

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 (KBytes/sec)

FIRST CUSTOMER SHIPMENT

COMMENTS

WESTERN DIGITAL	WESTERN DIGITAL
WDAB130 Tidbit	WDAB140 Tidbit II
3	3
OEM	OEM
Fixed	Fixed
65 mm OD 20 mm ID Thin Film	65 mm OD 20 mm ID Thin Film
PC AT/XT	Thin Film PC AT
F: 31.4	F: 42.5
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*	*
2	2
1	1
1065	1405
1773	2463
35970 BPI 23980 FCI 2,7 RLL	36048 BPI 24032 FCI 2,7 RLL
3383	3383
Rotary, Voice Coil	Rotary, Voice Coil
Embedded	Embedded
19	16
8.8	8.8
27.8	24.8
4500	4500
1Q91	4Q91
15.3 mm high *Varies by zone	15.3 mm high *Varies by zone

1991 DISK/TREND REPORT

MANUFACTURER	WESTERN DIGITAL	WESTERN DIGITAL	WESTERN DIGITAL	WESTERN DIGITAL	WESTERN DIGITAL
DRIVE					
	WDAC140 Caviar I	WDAC160 Caviar II	WDAC280 Caviar I	WDAH260 Tidbit	WDAH280 Tidbit II
DISK/TREND GROUP	3	4	4	4	4
MARKET	OEM, PCM	OEM, PCM	OEM, PCM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	95 mm OD	95 mm OD	95 mm OD	65 mm OD	65 mm OD
Recording medium	25 mm ID Thin Film	25 mm ID Thin Film	25 mm ID Thin Film	20 mm ID Thin Film	20 mm ID Thin Film
DRIVE: Heads	Ferrite	Thin Film	Ferrite		Thin Film
Interface	PC AT	PC AT	PC AT	PC AT/XT	PC AT
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 42.5	F: 62.0	F: 85.1	F: 62.8	F: 85.2
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	F: 19,968	*	F: 19,968	*	*
Data surfaces per spindle	2	2	4	4	4
Heads per data surface	1	1	1	1	1
Tracks per surface	1079	1349	1079	1065	1405
Track density (TPI)	1401	1712	1401	1773	2463
Maximum linear density (BPI)	31576 BPI	33666 BPI	31576 BPI	35970 BPI	36048 BPI
Recording code	21057 FCI 2,7 RLL	22444 FCI 2,7 RLL	21057 FCI 2,7 RLL	23980 FCI 2,7 RLL	24032 FCI 2,7 RLL
Rotational speed (RPM)	3598	3600	3598	3383	3383
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)	18	15	18	19	16
Average rotational delay (msec)	8.2	8.3	8.2	8.8	8.8
Average access time (msec)	26.2	23.3	26.2	27.8	24.8
Data transfer rate (KBytes/sec)	4000	4500	4000	4500	4500
FIRST CUSTOMER SHIPMENT	4/90	6/91	4/90	1Q91	4Q91
COMMENTS	25.4 mm high	25.4 mm high *Varies by zone	25.4 mm high	19 mm high *Varies by zone	19 mm high *Varies by zone

1991 DISK/TREND REPORT

MANUFACTURER	WESTERN DIGITAL	WESTERN DIGITAL	WESTERN DIGITAL	WESTERN DIGITAL	WESTERN DIGITAL
DRIVE					
	WDAP4200 Piranha	WDNC2120 Caviar II	WDSP4200 Piranha	WDSC8320 Condor	WDSC8400 Condor
DISK/TREND GROUP	5	5	5	6	6
MARKET	OEM, PCM	OEM, PCM	OEM, PCM	OEM, PCM	OEM, PCM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	95 mm OD	95 mm OD	95 mm OD	95 mm OD	95 mm OD
Recording medium	25 mm ID Thin Film	25 mm ID Thin Film	25 mm ID Thin Film	25 mm ID Thin Film	25 mm ID Thin Film
DRIVE: Heads	Thin Film	Ferrite	Thin Film	MIG	MIG
Interface	PC AT	PC AT	SCSI-2	SCSI-2	SCSI-2
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	F: 212.3	F: 125	F: 209.8	U: 371 F: 320.1	U: 467 F: 400
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	F: 20,480	*	F: 20,480	F: 24,576	F: 24,576
Data surfaces per spindle	8	4	8	14	14
Heads per data surface	1	1	1	1	1
Tracks per surface	1280	1349	1280	949	1199
Track density (TPI)	1557	1712	1557	1201.5	1469
Maximum linear density (BPI)	35574 BPI	33666 BPI	35574 BPI	37341 BPI	38427 BPI
Recording code	23716 FCI 2,7 RLL	22444 FCI 2,7 RLL	23716 FCI 2,7 RLL	28006 FCI 1,7 RLL	28820 FCI 1,7 RLL
Rotational speed (RPM)	3610	3600	3610	4317.8	4317.8
PERFORMANCE					
Actuator type	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil	Rotary, Voice Coil
Servo type	Embedded	Embedded	Embedded	Dedicated Surf.	Dedicated Surf.
Average positioning time (msec)	15	15	15	12.5	11.5
Average rotational delay (msec)	8.3	8.3	8.3	6.95	6.95
Average access time (msec)	23.3	23.3	23.3	19.45	18.45
Data transfer rate (KBytes/sec)	5000 synch.	4500	5000 synch.	4000 synch. 2000 asynch.	5000 synch. 2000 asynch.
FIRST CUSTOMER SHIPMENT	11/90	6/91	7/90	8/89	7/90
COMMENTS	41.3 mm high	25.4 mm high *Varies by zone	41.3 mm high	41.3 mm high Manufactured by IBM	41.3 mm high Manufactured by IBM