THE POSSIBILITIES ARE INFINITE

FUJITSU

Enterprise HDD Quick View Specifications

		AL9LE			AL9LX			AL9SE	
RoHS Compliance This applies to all models prefixed MAW, MAX and MAY	Ultra320 SCSI/SCA-2 80 Pin Ultra 320 SCSI/68 Pin FCAL-2 SAS	MAW3073NC MAW3073NP MAW3073FC	MAW3147NC MAW3147NP MAW3147FC	MAW3300NC MAW3300NP MAW3300FC	MAX3036NC MAX3036NP MAX3036FC MAX3036RC	MAX3073NC MAX3073NP MAX3073FC MAX3073RC	MAX3147NC MAX3147NP MAX3147FC MAX3147RC	MAY2036RC	MAY2073RC
Model Numbers/ Interface	Ultra320 SCSI/SCA-2 80 Pin Ultra 320 SCSI/68 Pin FCAL-2 SAS	MAT3073NC MAT3073NP MAT3073FC	MAT3147NC MAT3147NP MAT3147FC	MAT3300NC MAT3300NP MAT3300FC	MAU3036NC MAU3036NP MAU3036FC MAU3036RC	MAU3073NC MAU3073NP MAU3073FC MAU3073RC	MAU3147NC MAU3147NP MAU3147FC MAU3147RC	MAV2036RC	MAV2073RC
Specifications	Form Factor - Width/Height	3.5"/1"						2.5"/15mm	
	Motor Type	FDB (Fluid Dynamic Bearing)							
	Rotational Speed	10,025 rpm			15,000 rpm			10,025 rpm	
	Capacity (Formatted)	73.5GB	147GB	300GB	36.7GB	73.5GB	147GB	36.7GB	73.5GB
Performance	Number of Heads	2	5	8	2	4	8	2	4
	Number of Disks	1	3	4	1	2	4	1	2
	Internal Transfer Rate	Up to 132 MB/s			Up to 147 MB/s			Up to 73.5 MB/s	
	Interface Transfer Rate	NP/NC = 320MB/s, FC = 200MB/s			NP/NC = 320MB/s, FC = 200MB/s, RC = 300MB/s			300MB/s	
	Buffer Size	8MB							
	Average Seek (Read/Write)	4.5/5.0 ms			3.3/3.8 ms			4.0/4.5 ms	
	Track-to-Track Seek/Read/Write	0.2ms/0.4ms			0.2ms/0.4ms			0.2/0.4ms	
	Maximum Seek (Read/Write)	10/11 ms			8/9 ms			8/9 ms	
	Average Latency	2.99 ms			2.0 ms			2.99 ms	
Characteristics	Power Consumption (Idle)	NP/NC = 9.5W, FC = 10.5W			NP/NC = 11.5W, FC = 12.5W			4.5W	
	Acoustic Noise	3.4 bels			3.6 bels			2.9 bels	
	Shock - Operating/Non-Operating	65G/225G 2ms			65G/250G 2ms			100G/400G 1ms	
	Start Time	30 secs.						15 secs.	
	MTBF	1,200,000						1,400,000	
	Dimensions (H x W x D)	24.5 x 101.6 x 146 mm						15 x 70 x 100 mm	
	Weight	750 grams						220 grams	

Product Codification

MAT	3	147	NP
1	2	3	4

1. Model

M Is fixed as the first letter in all model names. This is a requirement of Fujitsu Corporation to distinguish OEM products from others.

A We use the following product code according to technology

3.5" SCSI **A**

T This position indicates a generation of the product (also indicates the spindle speed in the case of 3.5" Enterprise HDD)

2. Form Factor

2.5" = **2**
3.5" = **3**

3. Capacity

The figures shown give the formatted capacity of the drive in GB. e.g. 073 = 73GB and 147 = 147GB

4. Interface

FC = FCAL-2
NP = Ultra320 SCSI / 68 PIN
NC = Ultra320 SCSI / SCA-2 80 PIN
RC = SAS

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FDB - Fujitsu's Fluid Dynamic Bearing technology, which uses oil in the place of conventional ball bearings, together with silent mode drive control firmware, allowing Fujitsu to offer drives with lower acoustic ratings. Additionally, because of the dampening effect caused by the existence of oil in the shaft, Fujitsu's FDB drives have improved shock resistance.

FUJITSU silent HDD

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Mobile HDD Quick View Specifications

*(An 'Automotive version' in a 20GB and 30GB capacity is also available. It meets the wider temperature ranges required by the automotive industry for advanced car navigation and audio systems)		V60	Z60	M60	J60
Model Numbers		MHV2040AT - 40GB MHV2060AT - 60GB MHV2080AT - 80GB MHV2100AT - 100GB MHV2120AT - 120GB	MHV2040AH - 40GB MHV2060AH - 60GB MHV2080AH - 80GB MHV2100AH - 100GB	MHV2040BH - 40GB MHV2060BH - 60GB MHV2080BH - 80GB MHV2100BH - 100GB	MHV2160BT - 160GB
Specifications	Interface	ATA-6	ATA-6	SATA 1.0a/SATA II 1.0	
	Form Factor	2.5" 9.5mm			2.5" 12.5mm
	Motor Type	FDB (Fluid Dynamic Bearing)			
Performance	Rotational Speed	4,200 rpm	5,400rpm	5,400rpm	4,200rpm
	Transfer Rate	100MB/s		150MB/s	
	Buffer Size	40GB = 2MB 60/80/100/120GB = 8MB	8MB		
	Average Latency	7.14 ms	5.56 ms	5.56ms	7.14ms
	Average Seek (Read/Write)	12ms/14ms			
	Track-to-Track Seek (Read/Write)	1.5ms			
	Maximum Seek (Read/Write)	22ms			
Characteristics	Power Consumption (Idle)	0.5W	0.6W	0.6W	0.5W
	Acoustic Noise	24dBa	28dBa	28dBa	24dBa
	Start Time	3.5 sec.	4 sec		
	Shock - Operating/Non-Operating	300G 2ms/900G 1ms			
	Load/Unload Cycles	600,000			
	Dimensions (H x W x D)	9.5 x 70 x 100 mm			12.5 x 70 x100
	Weight	≤ 101 grams			≤ 135 grams

Product Codification

MHT	2	080	AT
1	2	3	4

1. Model

M Is fixed as the first letter in all model names. This is a requirement of Fujitsu Corporation to distinguish OEM products from others.

H We use the following product code according to technology

2.5" ATA **H**

T This position indicates a generation of the product

2. Form Factor

2.5" ATA = **2**

3. Capacity

The figures shown give the formatted capacity of the drive in GB

FDB - Fujitsu's Fluid Dynamic Bearing technology, which uses oil in the place of conventional ball bearings, together with silent mode drive control firmware, allowing Fujitsu to offer drives with lower acoustic ratings. Additionally, because of the dampening effect caused by the existence of oil in the shaft, Fujitsu's FDB drives have improved shock resistance.

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