

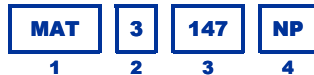
THE POSSIBILITIES ARE INFINITE



## Enterprise HDD Quick View Specifications

		AL9LE			AL9LX		
Model Numbers/ Interface	Ultra320 SCSI/SCA-2 80 Pin	MAT3073NC	MAT3147NC	MAT3300NC	MAU3036NC	MAU3073NC	MAU3147NC
	Ultra 320 SCSI/68 Pin FCAL-2	MAT3073NP MAT3073FC	MAT3147NP MAT3147FC	MAT3300NP MAT3300FC	MAU3036NP MAU3036FC	MAU3073NP MAU3073FC	MAU3147NP MAU3147FC
Specifications	Form Factor - Width/Height	3.5"/1"					
	Motor Type	FDB (Fluid Dynamic Bearing)					
	Rotational Speed	10,025 rpm			15,000 rpm		
	Capacity (Formatted)	73.5GB	147GB	300GB	36.7GB	73.5GB	147GB
Performance	Number of Heads	2	5	8	2	4	8
	Number of Disks	1	3	4	1	2	4
	Internal Transfer Rate	Up to 132 MB/s			Up to 147 MB/s		
	Interface Transfer Rate	NP/NC = 320MB/s, FC = 200MB/s			NP/NC = 320MB/s, FC = 200MB/s		
	Buffer Size	8MB					
	Average Seek (Read/Write)	4.5/5.0 ms			3.3/3.8 ms		
	Track-to-Track Seek/Read/Write	0.2ms/0.4ms			0.2ms/0.4ms		
	Maximum Seek (Read/Write)	10/11 ms			8/9 ms		
	Average Latency	2.99 ms			2.0 ms		
	Power Consumption (Idle)	NP/NC = 9.5W, FC = 10.5W			NP/NC = 11.5W, FC = 12.5W		
Characteristics	Acoustic Noise	3.4 bels			3.6 bels		
	Shock - Operating/Non-Operating	65G/225G 2ms			65G/250G 2ms		
	Start Time	30 secs.					
	MTBF	1,200,000					
	Dimensions (H x W x D)	24.5 x 101.6 x 146 mm					
	Weight	750 grams					

### Product Codification



#### 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

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

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 Europe Limited

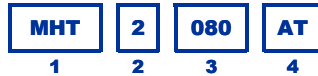
Hayes Park Central  
Hayes End Road  
Hayes, Middlesex  
UB4 8FE

**Sales:** +44 (0) 208 606 4551  
**Technical:** +44 (0) 208 606 4462  
**Fax:** +44 (0) 208 569 2044  
**Email:** sales.fel@uk.fujitsu.com  
**Web:** www.fel.fujitsu.com

THE POSSIBILITIES ARE INFINITE



**Product Codification**



**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" = **2**

**3. Capacity**

The figures shown give the formatted capacity of the drive in GB.  
e.g. 010 = 10GB

**4. Interface**

- AT** = ATA, 4,200 rpm, Ultra ATA 100
- AH** = ATA, 5,400 rpm, Ultra ATA 100
- BH** = SATA 5,400 rpm
- AC** = Automotive

**Mobile HDD Quick View Specifications**

		*V40	V50	Z40	M40
*(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)					
Model Numbers		MHT2030AT - 30GB MHT2040AT - 40GB MHT2060AT - 60GB MHT2080AT - 80GB	MHU2100AT - 100GB	MHT2040AH - 40GB MHT2060AH - 60GB MHT2080AH - 80GB	MHT2040BH - 40GB MHT2060BH - 60GB MHT2080BH - 80GB
Specifications	Interface	Ultra ATA 100			SATA 1.0a/SATA II 1.0
	Form Factor	2.5" 9.5mm			
	Motor Type	FDB (Fluid Dynamic Bearing)			
Performance	Rotational Speed	4,200 rpm	4,200 rpm	5,400 rpm	5,400 rpm
	Internal Transfer Rate	100MB/s			
Characteristics	Buffer Size	30GB/40GB = 2MB 60GB/80GB = 8MB	8MB	8MB	8MB
	Average Latency	7.14 ms	7.14 ms	5.56 ms	5.56 ms
	Average Seek (Read/Write)	12ms			
	Track-to-Track Seek (Read/Write)	1.5ms			
	Maximum Seek (Read/Write)	22ms			
	Power Consumption (Idle)	0.65W	0.65W	0.85W	0.85W
Characteristics	Acoustic Noise	24 dBA	24 dBA	34 dBA	34 dBA
	Start Time	3.5 sec.	3.5 sec.	4 sec.	4 sec.
	Shock - Operating/Non-Operating	225G 2ms/900G 1ms			
	MTBF	300,000			
	Dimensions (H x W x D)	9.5 x 70 x 100 mm			
	Weight	99 grams			

**Fujitsu Europe Limited**  
Hayes Park Central  
Hayes End Road  
Hayes, Middlesex  
UB4 8FE

**Sales:** +44 (0) 208 606 4551  
**Technical:** +44 (0) 208 606 4603  
**Fax:** +44 (0) 208 569 2044  
**Email:** sales.fel@uk.fujitsu.com  
**Web:** www.fel.fujitsu.com

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.

