

3.5 inch 10K RPM hard disk drives
Capacities: 73.9, 36 & 18.4 GB

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Hitachi DK32DJ series hard disk drives

Highlights

- ▶ *High capacity, high performance drives for workstations, LAN servers, RAID and multi-user systems*
- ▶ *10,025 rpm rotational speed*
- ▶ *Dual Spin Valve GMR head & MEEPRML technology*
- ▶ *4MB and 16MB read /write cache*
- ▶ *250G Non-Operating Shock*
- ▶ *Available in U320 SCSI, U160 SCSI and 2 Gb FCAL interfaces*



Hitachi DK32DJ series specifications

Product	Hitachi DK32DJ series		
Model	DK32DJ-72	DK32DJ-36	DK32DJ-18
Performance			
Total Capacity Formatted	73.9 GB	36.9 GB	18.4 GB
Per Sector	512	512	512
Number of Disks	5	3	2
Number of Heads	10 (Advanced GMR)	5 (Advanced GMR)	3 (Advanced GMR)
Seek Time (Average/Read/Write)	4.9 / 5.4 ms	4.9 / 5.4 ms	4.9 / 5.4 ms
Average Latency	2.99 ms	2.99 ms	2.99 ms
Rotational Speed	10,025 RPM	10,025 RPM	10,025 RPM
Read Technology	32/34 MEEPRML	32/34 MEEPRML	32/34 MEEPRML
Internal Transfer Rate	74 MB/s	74 MB/s	74 MB/s
Areal Density	15.2 Gb/in ²	15.2 Gb/in ²	15.2 Gbin ²
Recording Density	453 kBPI	453 kBPI	453 kBPI
Track Density	33.6 kTPI	33.6 kTPI	33.6 kTPI
Interface	Ultra 320, Ultra 160, 68-pin Wide, 80 pin SCA-2 / FCAL2 40-pin 2 Gb		
Interface Transfer Rate	Ultra 320-320MB/s, Ultra 160 SCSI-160.0MB/s, Fibre Channel 200.0 MB/s		
Data Buffer	4M (16MB)	4M (16MB)	4M (16MB)
Caches	Look Ahead Cache / Write Immediate Cache		
Physical Specifications			
Dimensions			
Height	25.4 mm	25.4 mm	25.4 mm
Width	101.6 mm	101.6 mm	101.6 mm
Depth	146.0mm	146.0mm	146.0mm
Weight	0.59 g	0.54 g	0.50 g
Power Requirements			
+12V +-5%			
Start	2.15 A (typ.)	2.15 A (typ.)	2.15 A (typ.)
Seek	2.46 A (typ.)	2.3A (typ.)	2.2 A (typ.)
Idle	0.65 A (typ.)	0.5 A (typ.)	0.4 A (typ.)
+5V +-5%			
Read/Write	1.45 A (typ.)	1.45 A (typ.)	1.45 A (typ.)
Idle	0.6 A (typ.)	0.6 A (typ.)	0.6 A (typ.)
(SCSI, Idle)	10.8 W	9W	7.8 W
Power Consumption			
Temperature			
Operating	5° to 55° C		
Non-Operating	-40° to 70° C		
Environmental Conditions			
Relative Humidity			
Operating	5 to 90%		
Non-Operating	5 to 95%		
Max. Wet Bulb	29° C maximum (non-condensing)		
Shock			
Operating	15 G (11MS)		
Non-Operating	250 G or less (2ms half sine wave) 75G (11MS)		
Vibration			
Operating	1 G	1 G	1 G
Non-Operating	5G	5G	5G
Acoustic Noise			
Idle	<3.8 Bels (Ave.)	<3.8 Bels (Ave.)	<3.8 Bels (Ave.)
Reliability			
Preventive Maintenance	Not Required		
Error Rate (Unrecoverable Errors)	Less than 1 per 10 ¹⁴ bits read		

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For more information

Internet:

- www.hgst.com

For other Hitachi products:

- 1 800 HITACHI (800 448 2244)

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