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## Barracuda 7200.8 400 GB

Capacity 400GB

Interface ATA

Model ST3400832A ATA 400GB

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### Barracuda 7200.8 400 GB

ST3400832A

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#### SPECIFICATIONS

Model Number	ST3400832A
Interface	ATA
Cache	8MB
Capacity	400 GB
Guaranteed Sectors	781,422,768
Number of pins on the I/O connector	40

#### PHYSICAL

Height (max)	26.11 mm (1.028 inches)
Width (max)	101.85 mm (4.010 inches)
Length (max)	146.99 mm (5.787 inches)
Weight (typical)	635 grams (1.39 pounds)

#### COMPLIANCE

European Union Restriction of Hazardous Substances	Y
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#### PERFORMANCE

Spindle Speed	7200 rpm
Average latency	4.16 msec
Random read seek time	<11.0 msec
Random write seek time	<12.0 msec
null	100 null

#### RELIABILITY

Annual Failure Rate	0.34 %
Unrecoverable read errors	1 in 10 <sup>14</sup>

#### POWER

Average idle current	7.2 watts
Average seek power	12.40 watts
Standby power	0.80 watts

Sleep power	0.80 null
Maximum start current, DC	2.80 amps
ENVIRONMENT	
AMBIENT TEMPERATURE	
Operating	0 to60 degrees C
Nonoperating	-40 to70 degrees C
Maximum operating temperature change	20 degrees C per hour
Maximum nonoperating temperature change	30 degrees C per hour
Maximum operating case temperature	69 degrees C
RELATIVE HUMIDITY	
Operating	5 to 90
Nonoperating	5 to 95
Maximum allowable humidity change	30 per hour
ALTITUDE	
Operating altitude (min)	-60.96 meters (-200 feet)
Operating altitude (max)	3,048 meters (10,000 feet)
Nonoperating altitude (min)	-60.96 meters (-200 feet)
Nonoperating altitude (max)	12,192 meters (40,000 feet)
SHOCK	
Operating Shock (max)	63 Gs null 2 msec
Nonoperating Shock (max)	300 Gs null 2 msec
VIBRATION	
Operating vibration	0.5 Gs null 23-350 Hz
Nonoperating vibration	5.0 Gs null 23-350 Hz
ACOUSTICS	
Acoustics (Idle Volume)	2.8 bels
Acoustics (Seek Volume)	3.7 bels

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