ComX Computers
Product Specification Sheet

WD5000AZRX

Western Digital Caviar Green 500GB Hard Drive

Product Overview

Western Digital Caviar Green 500GB Hard Drive, IntelliPower, 64 MB Cache, SATAIII (6GB/s), NoTouch ramp load technology, Advanced Format (AF).



Specifications

Features:

Reduced power consumption.
Reduced power consumption makes it possible to build systems with higher capacities and the right balance of system performance, ensured reliability, and energy conservation.

Cool and quiet.
WD GreenPower Technology yields lower operating temperatures for increased reliability and low acoustics perfect for ultra-quiet PCs and external drives.

Perfect for external drives.
External drive manufacturers can eliminate the need for a fan in a high-capacity product by utilizing the cool and quiet operation of WD Caviar Green hard drives.

IntelliSeek.
Calculates optimum seek speeds to lower power consumption, noise and vibration.

IntelliPower.
A fine-tuned balance of spin speed, transfer rate and caching algorithms designed to deliver both significant power savings and solid performance. Additionally, WD Caviar Green drives consume less current during startup allowing lower peak loads on systems as they are booted.

NoTouch ramp load technology.
The recording head never touches the disk media ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

Advanced Format (AF) .
Technology being adopted by WD and other drive manufacturers as one of multiple ways to continue growing hard drive

capacities. AF is a more efficient media format that enables increased areal densities. (RX, RS and RSDTL models only)

Ideal for
PCs, external storage and other devices that require lower power consumption and cool, quiet operation. Desktop / Consumer RAID Environments - WD Caviar Green Hard Drives are tested and recommended for use in consumer-type RAID applications. (RAID-0 / RAID-1).

Specifications:

Performance Specifications	
Rotational Speed	IntelliPower
Buffer Size	64 MB
Transfer Rates	
Buffer To Host (Serial ATA)	6 Gb/s (Max)
Physical Specifications	
Formatted Capacity	500, 107 MB
Capacity	500 GB
Interface	SATA 6 Gb/s
User Sectors Per Drive	976, 773, 168
Physical Dimensions	
Height	26.1 mm
Depth	147 mm
Width	101.6 mm
Weight	0.45 kg
Environmental Specifications	
Operating Shock (Read)	30G, 2 ms
Non-operating Shock	350G, 1 ms
Acoustics	
Idle Mode	21 dBA (average)
Seek Mode 0	22 dBA (average)
Seek Mode 3	22 dBA (average)
Temperature (Metric)	
Operating	-0 degrees C to 60 degrees C
Non-operating	-40 degrees C to 70 degrees C
Current Requirements 12 VDC	
Read/Write	1.10 A
Power Dissipation	
Read/Write	3.60 Watts
Idle	2.10 Watts
Standby	0.40 Watts

Sleep	0.40 Watts

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/WD5000AZRX-Western-Digital-Caviar-Green-500GB-Hard-Drive-p-58589.php

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