

3.5 HDD DATA SHEET

Tough. Ready. Scalable.
Purpose-built for Creative Pro, Medium-to-Large Business NAS Storage Solutions



IronWolf Pro is designed to deliver reliable and dependable performance in 24x7 intensive workload environments. It is engineered to perform in commercial and enterprise multi-bay, multi-user, multi-application NAS storage solutions.



Best-Fit Applications

- Commercial and Enterprise NAS
- Video Production RAID Storage
- Shared Storage for Media Editing
- Workstations and Servers
- Archive and Backup



Key Advantages

Optimized for NAS with AgileArray™ AgileArray uses dual-plane balancing and time-limited error recovery (TLER) to deliver best-in-class RAID performance in multi-bay systems.

Always On, Always Accessible IronWolf Pro drives are designed for 24x7 performance, allowing users to access their data anytime, anywhere.

All-CMR Portfolio All IronWolf Pro drives utilize conventional magnetic recording (CMR) technology for consistent, best-in-class NAS performance.

Up to 20TB Broad range of high-performance capacity options to deliver scalable and cost-efficient storage solutions.

Built Tough IronWolf Pro drives are rated for up to 550TB/year workload rate, allowing commercial and enterprise NAS users to seamlessly store, share, and collaborate on large amounts of data over a network.

Class-Leading Reliability and Dependability IronWolf Pro drives are rated for up to 2.5M hours MTBF and include a 5-year limited warranty for hassle-free data storage and best-in-class total cost of ownership (TCO).

Rotational Vibration (RV) sensors Built-in RV sensors coupled with dynamic fly-height technology correct for external vibration to deliver consistently high performance and reliability in multi-bay systems.

IronWolf Health Management (IHM)¹ Actively protect your data with prevention, intervention, and recovery recommendations to ensure peak system health.

Peace of mind with Data Recovery² IronWolf Pro drives include three years of complimentary Rescue Data Recovery Services so users don't incur high recovery costs. In-house secure facilities with an industry-leading 95% success rate enable data recovery in the event of accidental data corruption or drive damage.

¹ IHM is enabled on all leading NAS systems. Please check with your NAS vendor or a Seagate® sales representative for more details.

² Rescue Data Recovery Services are not available in some countries. Contact your Seagate sales representative for further details.



| Specifications | 20TB | 20TB | 18TB | 18TB |
|---|------------------|------------------|------------------|------------------|
| Capacity | 20TB | 20TB | 18TB | 18TB |
| Standard Model Number | ST20000NT001 | ST20000NE000 | ST18000NT001 | ST18000NE000 |
| Interface | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s |
| Features | | | | |
| Drive Bays Supported | Unlimited | Up to 24-bay | Unlimited | Up to 24-bay |
| Recording Technology | CMR | CMR | CMR | CMR |
| Drive Design (Air or Helium) | Helium | Helium | Helium | Helium |
| Workload Rate Limit (WRL) | 550 | 300 | 550 | 300 |
| Rotational Vibration (RV) Sensors | Yes | Yes | Yes | Yes |
| Cache (MB) | 256 | 256 | 256 | 256 |
| Reliability/Data Integrity | | | | |
| Mean Time Between Failures (MTBF, hours) | 2,500,000 | 1,200,000 | 2,500,000 | 1,200,000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 |
| Power-On Hours (per year) | 8760 | 8760 | 8760 | 8760 |
| Sector Size (Bytes per Logical Sector) | 512E | 512E | 512E | 512E |
| Rescue Data Recovery Services(years) ³ | 3 | 3 | 3 | 3 |
| Limited Warranty (years) | 5 | 5 | 5 | 5 |
| Performance | | | | |
| Spindle Speed (RPM) | 7200 | 7200 | 7200 | 7200 |
| Interface Access Speed (Gb/s) | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 285MB/s | 285MB/s | 270MB/s | 260MB/s |
| Rotational Vibration @ 10-1500 Hz (rad/s) | 12.5 | 12.5 | 12.5 | 12.5 |
| Power Consumption | | | | |
| Startup Current, Typical (12V, A) | 2.0 | 2.0 | 2.0 | 2.0 |
| Idle Power, Average (W) | 5.5 | 5.5 | 5.2 | 5.2 |
| Average Operating Power (W) | 7.7W | 7.7W | 8.0W | 8.0W |
| Standby Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Sleep Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Power Supply Requirements | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V |
| Environmental/Temperature | | | | |
| Operating Temperature (ambient, min °C) | 0 | 0 | 0 | 0 |
| Operating Temperature (drive reported, max °C) ⁴ | 65 | 65 | 65 | 65 |
| Nonoperating Temperature (ambient, min °C) | -40 | -40 | -40 | -40 |
| Nonoperating Temperature (ambient, max °C) | 70 | 70 | 70 | 70 |
| Environmental/Acoustics | | | | |
| Vibration, Nonoperating: 10Hz to 500Hz (Grms) | 2.27 | 2.27 | 2.27 | 2.27 |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 20 | 20 | 20 | 20 |
| Acoustics, Seek (typical) (dBA) | 26 | 26 | 26 | 26 |
| Environmental/Shock | | | | |
| Shock, Operating 2ms (Read/Write) (Gs) | 40/40Gs | 40/40Gs | 40/40Gs | 50/50Gs |
| Shock, Nonoperating, 1ms and 2ms (Gs) | 200 | 200 | 200 | 200 |
| Physical | | | | |
| Height (mm/in) | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in |
| Width (mm/in, max) | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in |
| Depth (mm/in, max) | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in |
| Weight (g/lb, typical) | 670g/1.477lb | 670g/1.477lb | 670g/1.477lb | 670g/1.477lb |
| Carton Unit Quantity | 20 | 20 | 20 | 20 |
| Cartons per Pallet/Cartons per Layer | 40/8 | 40/8 | 40/8 | 40/8 |

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



| Specifications | 16TB | 16TB | 14TB | 14TB |
|---|------------------|------------------|------------------|------------------|
| Capacity | 16TB | 16TB | 14TB | 14TB |
| Standard Model Number | ST16000NT001 | ST16000NE000 | ST14000NT001 | ST14000NE0008 |
| Interface | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s |
| Features | | | | |
| Drive Bays Supported | Unlimited | Up to 24-bay | Unlimited | Up to 24-bay |
| Recording Technology | CMR | CMR | CMR | CMR |
| Drive Design (Air or Helium) | Helium | Helium | Helium | Helium |
| Workload Rate Limit (WRL) | 550 | 300 | 550 | 300 |
| Rotational Vibration (RV) Sensors | Yes | Yes | Yes | Yes |
| Cache (MB) | 256 | 256 | 256 | 256 |
| Reliability/Data Integrity | | | | |
| Mean Time Between Failures (MTBF, hours) | 2,500,000 | 1,200,000 | 2,500,000 | 1,200,000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 |
| Power-On Hours (per year) | 8760 | 8760 | 8760 | 8760 |
| Sector Size (Bytes per Logical Sector) | 512E | 512E | 512E | 512E |
| Rescue Data Recovery Services(years) ³ | 3 | 3 | 3 | 3 |
| Limited Warranty (years) | 5 | 5 | 5 | 5 |
| Performance | | | | |
| Spindle Speed (RPM) | 7200 | 7200 | 7200 | 7200 |
| Interface Access Speed (Gb/s) | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 270MB/s | 255MB/s | 270MB/s | 255MB/s |
| Rotational Vibration @ 10-1500 Hz (rad/s) | 12.5 | 12.5 | 12.5 | 12.5 |
| Power Consumption | | | | |
| Startup Current, Typical (12V, A) | 2.0 | 2.0 | 2.0 | 2.0 |
| Idle Power, Average (W) | 5.0 | 5.0 | 5.0 | 5.0 |
| Average Operating Power (W) | 7.6W | 7.6W | 7.6W | 7.6W |
| Standby Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Sleep Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Power Supply Requirements | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V |
| Environmental/Temperature | | | | |
| Operating Temperature (ambient, min °C) | 0 | 0 | 0 | 0 |
| Operating Temperature (drive reported, max °C) ⁴ | 65 | 65 | 65 | 65 |
| Nonoperating Temperature (ambient, min °C) | -40 | -40 | -40 | -40 |
| Nonoperating Temperature (ambient, max °C) | 70 | 70 | 70 | 70 |
| Environmental/Acoustics | | | | |
| Vibration, Nonoperating: 10Hz to 500Hz (Grms) | 2.27 | 2.27 | 2.27 | 2.27 |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 20 | 20 | 20 | 20 |
| Acoustics, Seek (typical) (dBA) | 26 | 26 | 26 | 26 |
| Environmental/Shock | | | | |
| Shock, Operating 2ms (Read/Write) (Gs) | 50/50Gs | 50/50Gs | 50/50Gs | 50/50Gs |
| Shock, Nonoperating, 1ms and 2ms (Gs) | 200 | 200 | 200 | 200 |
| Physical | | | | |
| Height (mm/in) | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in |
| Width (mm/in, max) | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in |
| Depth (mm/in, max) | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in |
| Weight (g/lb, typical) | 670g/1.477lb | 670g/1.477lb | 670g/1.477lb | 670g/1.477lb |
| Carton Unit Quantity | 20 | 20 | 20 | 20 |
| Cartons per Pallet/Cartons per Layer | 40/8 | 40/8 | 40/8 | 40/8 |

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



| Specifications | 12TB | 12TB | 10TB | 10TB | 10TB |
|---|------------------|------------------|------------------|------------------|------------------|
| Capacity | 12TB | 12TB | 10TB | 10TB | 10TB |
| Standard Model Number | ST12000NT001 | ST12000NE0008 | ST10000NT001 | ST10000NE0008 | ST10000NE000 |
| Interface | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s |
| Features | | | | | |
| Drive Bays Supported | Unlimited | Up to 24-bay | Unlimited | Up to 24-bay | Up to 24-bay |
| Recording Technology | CMR | CMR | CMR | CMR | CMR |
| Drive Design (Air or Helium) | Helium | Helium | Air | Helium | Air |
| Workload Rate Limit (WRL) | 550 | 300 | 550 | 300 | 300 |
| Rotational Vibration (RV) Sensors | Yes | Yes | Yes | Yes | Yes |
| Cache (MB) | 256 | 256 | 256 | 256 | 256 |
| Reliability/Data Integrity | | | | | |
| Mean Time Between Failures (MTBF, hours) | 2,500,000 | 1,200,000 | 2,000,000 | 1,200,000 | 1,200,000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 |
| Power-On Hours (per year) | 8760 | 8760 | 8760 | 8760 | 8760 |
| Sector Size (Bytes per Logical Sector) | 512E | 512E | 512E | 512E | 512E |
| Rescue Data Recovery Services (years) ³ | 3 | 3 | 3 | 3 | 3 |
| Limited Warranty (years) | 5 | 5 | 5 | 5 | 5 |
| Performance | | | | | |
| Spindle Speed (RPM) | 7200 | 7200 | 7200 | 7200 | 7200 |
| Interface Access Speed (Gb/s) | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 270MB/s | 240MB/s | 263MB/s | 240MB/s | 240MB/s |
| Rotational Vibration @ 10-1500 Hz (rad/s) | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| Power Consumption | | | | | |
| Startup Current, Typical (12V, A) | 2.0 | 2.0 | 1.8 | 2.0 | 1.8 |
| Idle Power, Average (W) | 5.0 | 5.0 | 7.8 | 5.0 | 7.8 |
| Average Operating Power (W) | 7.8W | 7.8W | 10.1W | 7.8W | 10.1W |
| Standby Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.17 | 1.0 |
| Sleep Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.17 | 1.0 |
| Power Supply Requirements | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V |
| Environmental/Temperature | | | | | |
| Operating Temperature (ambient, min °C) | 0 | 0 | 0 | 0 | 0 |
| Operating Temperature (drive reported, max °C) ⁴ | 65 | 65 | 65 | 65 | 65 |
| Nonoperating Temperature (ambient, min °C) | -40 | -40 | -40 | -40 | -40 |
| Nonoperating Temperature (ambient, max °C) | 70 | 70 | 70 | 70 | 70 |
| Environmental/Acoustics | | | | | |
| Vibration, Nonoperating: 10Hz to 500Hz (Grms) | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 20 | 20 | 28 | 20 | 28 |
| Acoustics, Seek (typical) (dBA) | 26 | 26 | 30 | 26 | 30 |
| Environmental/Shock | | | | | |
| Shock, Operating 2ms (Read/Write) (Gs) | 50/50Gs | 50/50Gs | 70/40Gs | 70/40Gs | 70/40Gs |
| Shock, Nonoperating, 1ms and 2ms (Gs) | 200 | 200 | 250 | 250 | 300 |
| Physical | | | | | |
| Height (mm/in) | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in |
| Width (mm/in, max) | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in |
| Depth (mm/in, max) | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in |
| Weight (g/lb, typical) | 670g/1.477lb | 670g/1.477lb | 720g/1.59lb | 690g/1.521lb | 720g/1.59lb |
| Carton Unit Quantity | 20 | 20 | 20 | 20 | 20 |
| Cartons per Pallet/Cartons per Layer | 40/8 | 40/8 | 40/8 | 40/8 | 40/8 |

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



| Specifications | 8TB | 8TB | 6TB | 6TB |
|---|------------------|------------------|------------------|------------------|
| Capacity | 8TB | 8TB | 6TB | 6TB |
| Standard Model Number | ST8000NT001 | ST8000NE001 | ST6000NT001 | ST6000NE000 |
| Interface | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s |
| Features | | | | |
| Drive Bays Supported | Unlimited | Up to 24-bay | Unlimited | Up to 24-bay |
| Recording Technology | CMR | CMR | CMR | CMR |
| Drive Design (Air or Helium) | Air | Air | Air | Air |
| Workload Rate Limit (WRL) | 550 | 300 | 550 | 300 |
| Rotational Vibration (RV) Sensors | Yes | Yes | Yes | Yes |
| Cache (MB) | 256 | 256 | 256 | 256 |
| Reliability/Data Integrity | | | | |
| Mean Time Between Failures (MTBF, hours) | 2,000,000 | 1,200,000 | 2,000,000 | 1,200,000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 |
| Power-On Hours (per year) | 8760 | 8760 | 8760 | 8760 |
| Sector Size (Bytes per Logical Sector) | 512E | 512E | 512E | 512E |
| Rescue Data Recovery Services(years) ³ | 3 | 3 | 3 | 3 |
| Limited Warranty (years) | 5 | 5 | 5 | 5 |
| Performance | | | | |
| Spindle Speed (RPM) | 7200 | 7200 | 7200 | 7200 |
| Interface Access Speed (Gb/s) | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 255MB/s | 240MB/s | 250MB/s | 220MB/s |
| Rotational Vibration @ 10-1500 Hz (rad/s) | 12.5 | 12.5 | 12.5 | 12.5 |
| Power Consumption | | | | |
| Startup Current, Typical (12V, A) | 2.0 | 2.0 | 2.0 | 2.0 |
| Idle Power, Average (W) | 7.8 | 7.8 | 7.1 | 7.1 |
| Average Operating Power (W) | 10.1W | 10.1W | 9.3W | 9.3W |
| Standby Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Sleep Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Power Supply Requirements | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V |
| Environmental/Temperature | | | | |
| Operating Temperature (ambient, min °C) | 0 | 0 | 0 | 0 |
| Operating Temperature (drive reported, max °C) ⁴ | 65 | 65 | 65 | 65 |
| Nonoperating Temperature (ambient, min °C) | -40 | -40 | -40 | -40 |
| Nonoperating Temperature (ambient, max °C) | 70 | 70 | 70 | 70 |
| Environmental/Acoustics | | | | |
| Vibration, Nonoperating: 10Hz to 500Hz (Grms) | 2.27 | 2.27 | 2.27 | 2.27 |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 28 | 28 | 28 | 28 |
| Acoustics, Seek (typical) (dBA) | 30 | 30 | 30 | 30 |
| Environmental/Shock | | | | |
| Shock, Operating 2ms (Read/Write) (Gs) | 70/40Gs | 70/40Gs | 70/40Gs | 70/40Gs |
| Shock, Nonoperating, 1ms and 2ms (Gs) | 300 | 300 | 300 | 300 |
| Physical | | | | |
| Height (mm/in) | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in |
| Width (mm/in, max) | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in |
| Depth (mm/in, max) | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in |
| Weight (g/lb, typical) | 720g/1.59lb | 720g/1.59lb | 716g/1.58lb | 716g/1.58lb |
| Carton Unit Quantity | 20 | 20 | 20 | 20 |
| Cartons per Pallet/Cartons per Layer | 40/8 | 40/8 | 40/8 | 40/8 |

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



| Specifications | 4TB | 4TB | 2TB | 2TB |
|---|------------------|------------------|------------------|------------------|
| Capacity | 4TB | 4TB | 2TB | 2TB |
| Standard Model Number | ST4000NT001 | ST4000NE001 | ST2000NT001 | ST2000NE001 |
| Interface | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s |
| Features | | | | |
| Drive Bays Supported | Unlimited | Up to 24-bay | Unlimited | Up to 24-bay |
| Recording Technology | CMR | CMR | CMR | CMR |
| Drive Design (Air or Helium) | Air | Air | Air | Air |
| Workload Rate Limit (WRL) | 550 | 300 | 550 | 300 |
| Rotational Vibration (RV) Sensors | Yes | Yes | Yes | Yes |
| Cache (MB) | 256 | 256 | 256 | 256 |
| Reliability/Data Integrity | | | | |
| Mean Time Between Failures (MTBF, hours) | 2,000,000 | 1,200,000 | 2,000,000 | 1,200,000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 |
| Power-On Hours (per year) | 8760 | 8760 | 8760 | 8760 |
| Sector Size (Bytes per Logical Sector) | 512E | 512E | 512E | 512E |
| Rescue Data Recovery Services(years) ³ | 3 | 3 | 3 | 3 |
| Limited Warranty (years) | 5 | 5 | 5 | 5 |
| Performance | | | | |
| Spindle Speed (RPM) | 7200 | 7200 | 7200 | 7200 |
| Interface Access Speed (Gb/s) | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 250MB/s | 220MB/s | 226MB/s | 220MB/s |
| Rotational Vibration @ 10-1500 Hz (rad/s) | 12.5 | 12.5 | 12.5 | 12.5 |
| Power Consumption | | | | |
| Startup Current, Typical (12V, A) | 2.0 | 2.0 | 2.0 | 2.0 |
| Idle Power, Average (W) | 5.5 | 5.5 | 3.8 | 3.8 |
| Average Operating Power (W) | 8.7W | 8.7W | 6.7W | 6.7W |
| Standby Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Sleep Mode, Typical (W) | 1.0 | 1.0 | 1.0 | 1.0 |
| Power Supply Requirements | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V | +12 V and +5 V |
| Environmental/Temperature | | | | |
| Operating Temperature (ambient, min °C) | 0 | 0 | 0 | 0 |
| Operating Temperature (drive reported, max °C) ⁴ | 65 | 65 | 65 | 65 |
| Nonoperating Temperature (ambient, min °C) | -40 | -40 | -40 | -40 |
| Nonoperating Temperature (ambient, max °C) | 70 | 70 | 70 | 70 |
| Environmental/Acoustics | | | | |
| Vibration, Nonoperating: 10Hz to 500Hz (Grms) | 2.27 | 2.27 | 2.27 | 2.27 |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 28 | 28 | 28 | 28 |
| Acoustics, Seek (typical) (dBA) | 30 | 30 | 30 | 30 |
| Environmental/Shock | | | | |
| Shock, Operating 2ms (Read/Write) (Gs) | 70/40Gs | 70/40Gs | 70/40Gs | 70/40Gs |
| Shock, Nonoperating, 1ms and 2ms (Gs) | 300 | 300 | 300 | 300 |
| Physical | | | | |
| Height (mm/in) | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in | 26.11mm/1.028in |
| Width (mm/in, max) | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in | 101.85mm/4.01in |
| Depth (mm/in, max) | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in | 146.99mm/5.787in |
| Weight (g/lb, typical) | 650g/1.431lb | 650g/1.431lb | 620g/1.37lb | 620g/1.37lb |
| Carton Unit Quantity | 20 | 20 | 20 | 20 |
| Cartons per Pallet/Cartons per Layer | 40/8 | 40/8 | 40/8 | 40/8 |

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.

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