

STAYING POWER.



We've been in the disk drive industry for 10 years. And year after year we keep getting better. Our performance as an industry leader has helped pace the dynamic growth of the microcomputer industry. Tandon's 5¼" double-sided floppy drive revolutionized the industry. And we quickly followed with the industry's first half-height 8" floppy drive. Our 3½" and 5¼" Winchesters have consistently been

the industry's price leaders. We pioneered the utilization of hard coated plated media in low capacity Winchesters long before our competition. Our new half-height 51MB closed-loop Winchester is yet another industry first. And there is more to follow.

It all adds up to staying power. And it's the one spec that won't ever change at Tandon.

PRICE/PERFORMANCE:

Tandon not only sets the highest standards for performance, we do it while keeping our prices low. It's just one of many factors that set us apart from

other OEM suppliers. And it's why our drives have become an integral part of more microcomputers than any other in the industry.

VERTICAL INTEGRATION:

Because we manufacture most of the components in our drives, we get exactly what we want. When we want it. Direct from our own factories. That means the tightest control on quality as well as cost. A sterling example is our proprietary plated media that is used across our entire Winchester product line. It's a total dedication to durable design that is uniquely

Tandon. As a result of this emphasis on vertical manufacturing, we've been able to continually drive prices down while raising quality and performance. All of which proves why Tandon is so highly regarded by our customers. And so often imitated by our competitors.

BROAD PRODUCT LINE:

There isn't a more comprehensive mix of products from any other manufacturer in the industry. That includes our 3½" and 5¼" Winchesters in open-loop, and closed-loop, high performance models. 5¼" and 8" ThinLine™ floppy drives and a full range of private label subsystem products.

Each is designed and manufactured by separate teams of specialists within their field. However, each team is driven by a common concern. To design, produce and deliver high quality products at the lowest possible price.

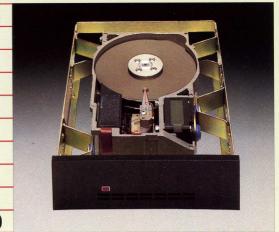
RELIABILITY:

By now you know why more and more companies rely on Tandon. It's a reputation that came with hard work. And it's one we're working harder than ever to improve. With substantial investments in R&D. With innovative engineering from every team. With

independence from outside suppliers. And with an unshakable commitment to your future disk drive needs. It's a ten year record of unfailing reliability and one you can always rely on.

ThinLine™ is a trademark of Tandon Corporation.

51/4" THINLINE™ RIGID DISK DRIVES



TM260

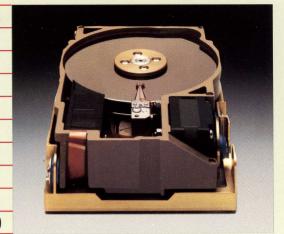
Tandon's low cost TM260 5¼" package Winchester drives feature a pseudo-closed-loop head positioning system yielding an average access time of 80 milliseconds. The drives also feature a half-height profile, low power consumption and improved performance for shock and vibration conditions. Ideal for portable computers and small desk top system integration.

TM260 features:

- Up to 25.58 Megabyte storage capacity.
- · Low cost.
- Hard coated plated media.
- Half-height package design.
- LSI circuitry.
- Industry standard interface.

| SPECIFICATIONS | | | |
|--|--|------------------------------------|--|
| CAPACITY | TM261 | TM262 | |
| Unformatted Storage Capacity: | 12.79 Megabytes | 25.58 Megabytes 4 | |
| Number Data Surfaces: Bytes Per Track: | 2 10.416 | 10.416 | |
| Track Density: | 804 TPI | 804 TPI | |
| Cylinders: | 615 | 615 | |
| ACCESS TIME | | | |
| Seek Track-to-Track Access Time: | 3 millis | econds—————— | |
| Head Settling Time: | —————————————————————————————————————— | seconds — | |
| Average Seek Time, Using Buffered Seek: Maximum Seek Time, Using Buffered Seek: | | seconds | |
| Average Latency: | 8.41 milliseconds | | |
| Disk Rotational Speed: | - 31 miliseconds - 15 milliseconds - 80 milliseconds - 195 milliseconds - 3568 RPM | | |
| Data Rate: | 5 megabits per second | | |
| RELIABILITY | | | |
| MTBF: | 15,000 power-on hours | | |
| Preventative Maintenance: | 15,000 power-on hours none required 30_minutes | | |
| MTTR: Average Component Life: | 5 years | | |
| Error Rates: | | | |
| Soft Read: | 1 in 1010 bits | | |
| Hard Read: Seek Errors: | 1 in 10 ¹⁰ bits 1 in 10 ¹² bits 1 in 10 ⁶ seeks | | |
| ELECTRICAL REQUIREMENTS | | | |
| | +5 volts +5% at 0.6 amperes typic | eal at 100 millivolts PARD maximum | |
| +5 Volts D.C. Power +12 Volts D.C. Power | +5 volts ±5% at 0.6 amperes typical at 100 millivolts PARD maximun + 12 volts ±5% at 0.8 amperes typical at 100 millivolts PARD maximur | | |
| Power Consumption | 10 watts typical | | |
| DIMENSIONS (EXCLUDING FRONT PANEL) | | | |
| Height: | | | |
| Width: | 5.75"/1 | 5.75"/146.0mm | |
| Length: | 8.0"/203.2mm | | |

31/2" RIGID DISK DRIVES



TM360

Tandon's low cost TM360 3½" Winchester drives feature a pseudo-closed-loop head positioning system yielding an average access time of 80 milliseconds. The drives also feature a compact half-height design, low power consumption and improved performance for shock and vibration conditions. Ideal for portable computers and small desk top system integration.

TM360 features:

- Up to 25.58 Megabyte storage capacity.
- Low cost.
- Hard coated plated media.
- Compact package size.
- LSI circuitry.
- Industry standard interface.

| SPECIFICATIONS | | |
|---|---|--------------------------|
| CAPACITY | TM361 | TM362 |
| Unformatted Storage Capacity: Number Data Surfaces: | 12.79 Megabytes | 25.58 Megabytes 4 |
| Bytes Per Track: Track Density: Cylinders: | 10,416 804 TPI 615 | 10,416 804 TPI 615 |
| ACCESS TIME | | |
| Seek Track-to-Track Access Time: Head Settling Time: Average Seek Time, Using Buffered Seek: Maximum Seek Time, Using Buffered Seek: Average Latency: Disk Rotational Speed: Data Rate: | - 3 milliseconds - 15 milliseconds - 80 milliseconds - 195 milliseconds - 195 milliseconds - 3568 RPM - 5 megabits per second | |
| RELIABILITY | | |
| MTBF: Preventative Maintenance: MTTR: Average Component Life: | | |
| Error Rates: Soft Read: Hard Read: Seek Errors: | | |
| ELECTRICAL REQUIREMENTS | | |
| +5 Volts D.C. Power +12 Volts D.C. Power Power Consumption | \pm 5 volts \pm 5% at 0.6 amperes typical at 100 millivolts PARD maximum \pm 12 volts \pm 5% at 0.8 amperes typical at 100 millivolts PARD maximum \pm 10 watts typical | |
| DIMENSIONS (EXCLUDING FRONT PANEL) | | |
| Height: Width: Length: | | |

51/4" CLOSED-LOOP RIGID DISK DRIVES



TM700

The TM700 5¼" Winchester disk drives are high performance drives featuring closed-loop positioning. An on-board microprocessor calculates the optimum positioning algorithm yielding fast average access times. The TM702AT and TM703AT, featuring 20 and 30 Megabytes of formatted storage capacity, are designed for use in AT compatible systems.

TM700 features:

- Up to 36.2 Megabyte storage capacity.
- Hard coated plated media.
- Rotary voice coil positioning.
- Dedicated servo surface.
- Industry standard packaging and interface.
- Quality intensive, conservative design.

| SPECIFICATIONS | | | |
|---|--|--|---|
| CAPACITY | TM702AT (FORMATTED) | TM703AT (FORMATTED) | TM703 (UNFORMATTED) |
| Storage Capacity: Number Data Surfaces: Bytes Per Track: Track Density: Cylinders: | 20 Megabytes 4 8,704 700 TPI 615 | 30 Megabytes 5 8,704 700 TPI 733 | 36.2 Megabytes 5 10,416 700 TPI 695 |
| ACCESS TIME | | | |
| Seek Track-to-Track Access Time, Including Head Setting Time: Average Seek Time, Including Head Settling Time: Maximum Seek Time: Average Latency: Disk Rotational Speed: Data Rate: | | | |
| RELIABILITY | | | |
| MTBF: Preventative Maintenance: MTTR: Average Component Life: Error Rates: Soft Read: Hard Read: Seek Errors: | | | |
| ELECTRICAL REQUIREMENTS | | | |
| +5 Volts D.C. Power +12 Volts D.C. Power | \pm 5 volts \pm 5% at 0.8 amperes typical at 50 millivolts PARD maximum \pm 12 volts \pm 5% at 1.7 amperes typical at 50 millivolts PARD maximum | | |
| DIMENSIONS (EXCLUDING FRONT PANEL) | | | |
| Height: Width: Length: | 3.25"/82.55mm 5.75"/146.0mm 8.0"/203.2mm | | |

51/4" THINLINE™ RIGID DISK DRIVE



TM755

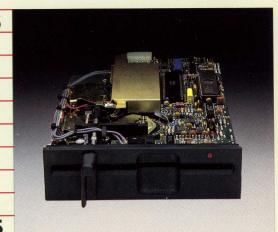
The TM755 5¼" ThinLine™ Winchester disk drive features linear voice coil positioning. The onboard microprocessor calculates the optimum positioning algorithm, yielding an average access time of 35 milliseconds. Its half-height profile and high capacity make it ideal for multi-user systems.

TM755 features:

- 51.09 Megabyte storage capacity.
- Hard coated plated media.
- Half-height package design.
- Linear voice coil positioning.
- Dedicated servo surface.
- Industry standard packaging and interface.

| SPECIFICATIONS | | |
|---|---|--|
| CAPACITY | TM755 | |
| Unformatted Storage Capacity: Number Data Surfaces: Bytes Per Track: Track Density: Cylinders: | 51.09 Megabytes 5 10,416 960 TPI 981 | |
| ACCESS TIME . | | |
| Seek Track-to-Track Access Time, Including Head Settling Time: Average Seek Time, Including Head Settling Time: Maximum Seek Time: Average Latency: Disk Rotational Speed: Data Rate: | - 5 milliseconds - 35 milliseconds - 65 milliseconds - 8.33 milliseconds - 3600 RPM - 5 megabits per second | |
| RELIABILITY | | |
| Error Rates | | |
| ELECTRICAL REQUIREMENTS | | |
| +5 Volts D.C. Power +12 Volts D.C. Power | +5 volts ±5% at 0.8 amperes typical at 50 millivolts PARD maximu +12 volts ±5% at 1.5 amperes typical at 50 millivolts PARD maximu | |
| DIMENSIONS (EXCLUDING FRONT PANEL) | | |
| Height: Width: Length: | | |

51/4" THINLINE™ FLOPPY DISK DRIVES



TM65

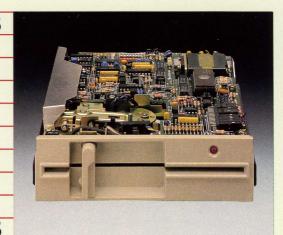
Tandon's low cost TM65 5¼" ThinLine™ flexible disk drives are full-featured drives delivering up to 1.6 Megabytes of storage capacity. Each drive incorporates unique design features for reliability and performance requirements. They are half the height of traditional 5¼" drives. By installing two TM65 drives in the space of a full-height drive, memory capacity of word processors and small business systems can easily be doubled.

TM65 features:

- Up to 1.6 Megabyte storage capacity.
- Half-height design package.
- Fast track-to-track access times.
- LSI circuitry on 500K Byte drive.
- Microprocessor control on 1.0 and 1.6MB drives.
- Selectable speed yields 1.0/1.6MB storage capability.
- Brushless direct drive motor operation.
- Industry standard 5¼" interface.

| SPECIFICATIONS | THESE OF | TM65-4 | TM65-8 |
|--|---|--|--|
| CAPACITY | TM65-2L | | |
| Unformatted Recording Capacity: | (Double-sided Recording) 500K Bytes, double-density | (Double-sided Recording) 1.0 Megabytes, double-density | (Double-sided Recording) 1.0/1.6 Megabytes, double-density |
| Tracks Per Diskette: Tracks Per Inch: Disk Rotational Speed: | 80 48 TPI 300 RPM ±1.5 percent | 160 96 TPI 300 RPM ±1.5 percent | 160 96 TPI 300/360 RPM ±1.5 percen |
| ACCESS TIME | | | |
| Track-to-Track Access Time: Head Settling Time: Head Load Time: Average Access Time, Including Head Settling Time: Motor Start Time: | | 3 milliseconds 15 milliseconds none 90 milliseconds - 250 milliseconds, maximum | |
| Data Transfer Rate (Bits Per Second, Double-Density): Average Rotational Latency: | 250,000 100 milliseconds | 250,000 100 milliseconds | 250,000/300,000/500,000 83/100 milliseconds |
| RELIABILITY | | | |
| Preventative Maintenance: MTTR: Media Life (Reference Only): Error Rates: Soft Read: | | — 4 x 10 ⁶ passes per track – — 1 in 10 ⁹ bits — 1 in 10 ¹² bits — | 10% duty cycle — |
| FUNCTIONAL | | | |
| Encoding Format: Interface Requirement: | | ——— FM/MFM — —— 5¼" industry standard — | |
| MEDIA REQUIREMENT | | | |
| Diskette: | | 5¼" industry standard diske | tte — |
| ELECTRICAL REQUIREMENTS | | | |
| +5 Volts D.C. Power +12 Volts D.C. Power | + 5 volts ±5% at 0. + 12 volts ±5% at 0. | 5 amperes typical at 50 milliv 7 amperes typical at 100 milli | olts PARD maximum volts PARD maximum |
| DIMENSIONS (INCLUDING FRONT PANEL) | | | |
| Height: Width: Length: | | 1.68"/42.67mm 5.87"/149.1mm 8.07"/205.0mm | |

5¼"THINLINE™FLOPPY DISK DRIVES



TM75

The TM75 5¼" ThinLine™flexible disk drives deliver up to 1.6 Megabytes of unformatted storage capacity. Both drives are half-height packages incorporating unique design features for reliability and performance requirements. They are ideal for integration in AT compatible computers, other small business systems, word processors and intelligent terminals.

TM75 features:

- Up to 1.6 Megabyte storage capacity.
- Half-height design package.
- LSI circuitry on 500K Byte drive.
- Microprocessor control on 1.0/1.6MB drives.
- Brushless direct drive motor operation.
- Industry standard 5¼" interface.

| SPECIFICATIONS | | |
|--|--|--|
| CAPACITY | TM75-2 | TM75-8 |
| Unformatted Recording Capacity: Tracks Per Diskette: Tracks Per Inch: Disk Rotational Speed: | (Double-sided Recording) 500K Bytes, double-density 80 48 TPI 300 RPM ±1.5 percent | (Double-sided Recording) 1.0/1.6 Megabytes, double-density 160 96 TPI 300 RPM ±1.5 percent |
| ACCESS TIME | | |
| Track-to-Track Access Time: Head Settling Time: Head Load Time: Average Access Time, Including Head Settling Time: Motor Start Time: Data Transfer Rate (Bits Per Second, Double-Density): Average Rotational Latency: | 6 milliseconds 15 milliseconds none 90 milliseconds ———————————————————————————————————— | 3 milliseconds 15 milliseconds 50 milliseconds 90 milliseconds onds, maximum 300,000/500,000 83 milliseconds |
| RELIABILITY | | |
| MTBF: Preventative Maintenance: MTTR: Media Life (Reference Only): Error Rates: Soft Read: Hard Read: Seek Errors: | | |
| FUNCTIONAL | | |
| Encoding Format: Interface Requirement: | FM/MFM — 51/4" industry standard — 51/4" | |
| MEDIA REQUIREMENT | | |
| Diskette: | 5¼" industry standard diskette | |
| ELECTRICAL REQUIREMENTS | | |
| + 5 Volts D.C. Power + 12 Volts D.C. Power | \pm 5 volts \pm 5% at 0.5 amperes typical at 50 millivolts PARD maximum \pm 12 volts \pm 5% at 0.7 amperes typical at 100 millivolts PARD maximu | |
| DIMENSIONS (INCLUDING FRONT PANEL) | | |
| Height: Width: Length: | | 42.67mm ——————————————————————————————————— |

51/4" FLOPPY DISK DRIVE



TM100

The TM100 5¼" flexible disk drive is available with a storage capacity of 500K bytes. The TM100 drive is the most viable, operative dual-headed 5¼" in the industry. They are designed for high volume Original Equipment Manufacturers (OEMs), and their low cost makes them ideal for small business systems, personal computers and word processing systems.

TM100 features:

- 500K Bytes storage capacity.
- Low cost.
- High technology read/write heads.
- Fast track-to-track access time, 5 milliseconds.
- Industry standard 5¼" interface.

| SPECIFICATIONS | | |
|---|--|--|
| CAPACITY | TM100-2 | |
| Unformatted Recording Capacity: Tracks Per Diskette: Tracks Per Inch: Disk Rotational Speed: | (Double-sided Recording) 500K Bytes, double-density 80 48 TPI 300 RPM ±1.5 percent | |
| ACCESS TIME | | |
| Track-to-Track Access Time: Head Settling Time: Head Load Time: Average Access Time, Including Head Settling Time: Motor Start Time: Motor Stop Time: Data Transfer Rate: Average Rotational Latency: | | |
| RELIABILITY | | |
| MTBF: Preventative Maintenance: MTTR: Media Life (Reference Only): Error Rates: Soft Read: Hard Read: Seek Errors: | | |
| FUNCTIONAL | | |
| Encoding Format: Interface Requirement: | | |
| MEDIA REQUIREMENT | | |
| Diskette: | —————————————————————————————————————— | |
| ELECTRICAL REQUIREMENTS | | |
| +5 Volts D.C. Power +12 Volts D.C. Power | \pm 5 volts \pm 5% at 0.6 amperes typical at 50 millivolts PARD maximum \pm 12 volts \pm 5% at 0.9 amperes typical at 50 millivolts PARD maximum | |
| DIMENSIONS (INCLUDING FRONT PANEL) | | |
| Height: Width: Length: | | |

8"THINLINE™FLOPPY DISK DRIVES



TM848E

The full-featured/full-performance second generation TM848E-1 and TM848E-2 ThinLine™ flexible disk drives are half the height of traditional 8" drives. By installing two TM800 drives in the existing cabinet space currently housing one drive, memory capacity of word processors, small business systems and intelligent terminals can be easily doubled.

TM848E-1 and TM848E-2 features:

- Up to 1.6 Megabyte storage capacity.
- Half-height design package.
- LSI circuitry, microprocessor-controlled.
- · Buffered seek.
- 3 millisecond track-to-track access time.
- Brushless direct drive motor operation.
- Industry standard 8" interface.

| SPECIFICATIONS | | |
|--|--|---|
| CAPACITY | TM848E-1 | TM848E-2 |
| Unformatted Recording Capacity: Tracks Per Diskette: Tracks Per Inch: Disk Rotational Speed: | (Single-sided Recording) 800K Bytes, double-density 77 48 TPI ———— 360 RPM : | (Double-sided Recording) 1.6 Megabytes, double-density 154 (77/surface) 48 TPI ±1.5 percent |
| ACCESS TIME | | Michigan Company |
| Track-to-Track Access Time: Head Settling Time: Head Load Time: Average Access Time, Including Head Settling Time: Motor Start Time: Data Transfer Rate: Average Rotational Latency: | - 3 milliseconds - 15 milliseconds - none - 91 milliseconds - 150 milliseconds, maximum - 500,000 bits per second, double-density - 83 milliseconds | |
| RELIABILITY | | |
| MTBF: Preventative Maintenance: MTTR: Media Life (Reference Only): Error Rates: Soft Read: Hard Read: Seek Errors: | | |
| FUNCTIONAL | | |
| Encoding Format: Interface Requirement: | | |
| MEDIA REQUIREMENT | | |
| Diskette: | 8" industry standard diskette | |
| ELECTRICAL REQUIREMENTS | | |
| +5 Volts D.C. Power +24 Volts D.C. Power | \pm 5 volts \pm 5% at 0.55 amperes typical at 100 millivolts PARD maximu \pm 24 volts \pm 10% at 0.7 amperes typical at 100 millivolts PARD maximu | |
| DIMENSIONS (INCLUDING FRONT PANEL) | | |
| Height: Width: Length: | 8 55"/2 | 58.22mm —————————————————————————————————— |



THE DRIVING FORCE BEHIND THE SMALL COMPUTER INDUSTRY.

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