TANDON
NEW EIGHT-INCH
THINLINE DISK DRIVES

Tandon Corporation's new high performance, eight-inch THINLINE flexible disk drives offer single- and double-sided, double density, 48 TPI. The memory capacity of word processors, small business systems, and intelligent terminals can be doubled by installing two drives in the existing cabinet space currently required by only one drive. Exceptional features are:

- Exactly one-half the height of any other model.
- Proprietary, high resolution read-write heads patented by Tandon.
- D.C. only operation – no A.C. required.
- Industry standard interface.
- Three millisecond track-to-track access time.

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Heads Above The Rest In Disk Technology
EIGHT-INCH THINLINE DISK DRIVE SPECIFICATIONS
MODEL NUMBERS TM848-1 (SINGLE-SIDED) AND TM848-2 (DOUBLE-SIDED) FLEXIBLE DISK DRIVES

MECHANICAL
Height: 58mm (2.30 inches)
Width: 217mm (8.55 inches)
Length: 337mm (13.25 inches)
Weight: 15.4kg (7 pounds)

ELECTRICAL
+ 5 V D.C. Power: + 5 V ± 5%, 1.0 amp typical
+ 24 V D.C. Power: + 24 V ± 10%
Selected Motor On: 1.2 amps typical
Deselected: 0.1 amp typical
Spindle Motor: 0.5 amp typical

ENVIRONMENTAL
Operating Temperature: 44°C to 46°C (107°F to 115°F)
Storage Temperature: −40°C to 46°C (−40°F to 160°F)
Wet Bulb Temperature: 26°C (78°F) maximum
Noncondensing Operating Humidity: 20% to 80%
Altitude: 304.8 meters (1,000 ft) below sea level to 15,240 meters (50,000 ft) above sea level

RELIABILITY
MTBF: 10,000 power-on hours
MTTR: 30 minutes
Average Component Life: 15,000 power-on hours
Error Rates:
- Soft Read: 1 in 10⁷ bits
- Hard Read: 1 in 10⁸ bits
- Seek Errors: 1 in 10⁹ bits

PERFORMANCE
Head Wear Guarantee: 15,000 media hours
Number of Tracks: 77 for TM848-1 — 154 for TM848-2, 77 per surface
Track-To-Track Access Time: 3 milliseconds
Head Settling Time: 15 milliseconds
Average Access Time:
- including head settling time: 91 milliseconds
Motor Start Time:
- Disk Rotational Speed: 0.7 second, maximum
- Instantaneous Speed Variation: 360 RPM
- Flux Changes Per Inch, Inside Track: ± 1.25%
Transfer Rates:
- Unformatted Recording Capacity: 6536 FCI, Side 0, both models;
- 6818 FCI, Side 1, TM848-2 only
- 250K BPS single density, 500K BPS double density
- 0.8 MBytes per disk, single density — 1.6 MBytes per disk, double density
- 0.6 MBytes, single density — 1.2 MBytes, double density
- FM single density — MFM double density

International Representatives:
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