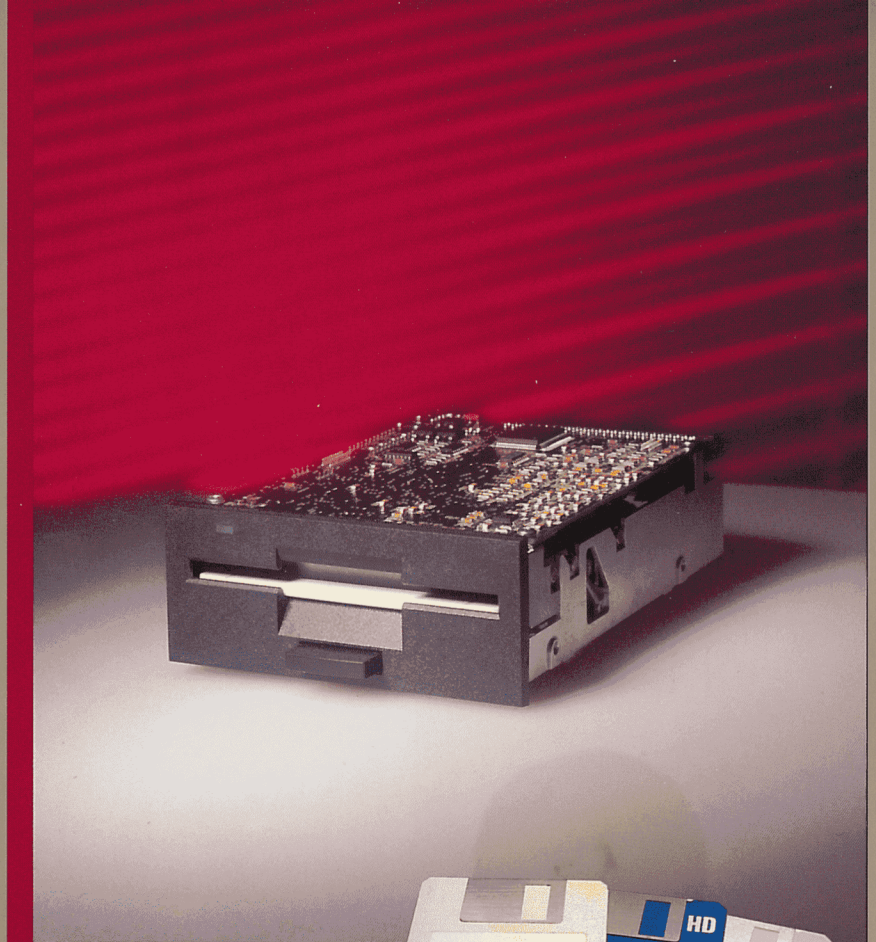


BR 3225

NEW DIMENSIONS IN FLEXIBLE DISK DRIVES

- 3.5 Inch
- 25 Megabytes
- 1.0/2.0 MB Floppy Disk Compatibility



- 21.4 Megabytes Formatted Capacity
- 35 Millisecond Average Access Time
- SCSI Interface
- 1.25 Megabyte/Second Data Transfer Rate To/From The Host System
- Reads 1.0/2.0 Megabyte IBM[®] Formatted Floppy Disks
- Industry Standard 3.5 Inch Flexible Disk Cartridge
- Automatic Error Recovery
- Continuous Servo Position Sensing For Read/Write Accuracy

BRIER 
TECHNOLOGY

25MB

BR 3225

Brier's unique technology is revolutionizing removable media peripherals. Systems ranging from laptops to work stations are now able to take advantage of low cost, high performance removable storage.

TECHNICAL

Capacity unfformatted	25.0 megabytes
Capacity fomatted	21.4 megabytes
Media	3.5" flexible disk cartridge

CONFIGURATION

Number of disks	1
Data Surfaces	2
Data heads	2 (1 per surface)
Servo	Magnetically embedded (buried)
Tracks per surface	516
Track density	777 TPI
Block size	512 bytes
Blocks per track (typical)	40
Blocks per surface	21,040
Blocks per drive	42,080

PERFORMANCE

Actuator	Linear Voice Coil Motor
Seek time (includes settling)	
track to track	15 milliseconds
average	35 milliseconds
maximum	70 milliseconds
Average latency	41.6 milliseconds
Rotation speed	720 RPM
Data transfer (to/from media)	2.2 megabits/sec.
Data transfer (to/from host)	1.25 megabytes/sec.
Start time	1 second
Stop time	1 second
Sector interleave	1:1

READ/WRITE

Bits per inch	26,000
Recording Method	BRLL
Interface	SCSI

RELIABILITY

MTBF (power on hours)	10,000
MTTR	30 min.
Disk insertions	10,000
Component Life	5 years

POWER REQUIREMENTS*

DC Input	+12 Volts \pm 10%	1.2 Amps (startup)
		.5 Amps (operational)
	+5 Volts \pm 5%4 Amps (typical)
Power dissipation		< 9.0 Watts (operational-seeking)

*Power management algorithms reduce power to an average of 2.0 watts for typical applications.

PHYSICAL

Environmental	
Operating	10° C to 45° C
Non-Operating	-40° C to 60° C
Temperature	10° C per hour max gradient
Relative humidity	20% to 80% (non condensing)
Dimensions	
Height	1.625"
Width	4.0"
Length	5.75"
Weight	1.6 lbs.

Specifications subject to change without notice.

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DESIGNED FOR VERSATILITY

Brier Technology's new BR 3225 3.5 inch micro floppy sets new standards for cost/performance and functionality in removable media, mass storage peripherals.

■ **CAPACITY** - The drive stores 21.4 megabytes of formatted data using the industry standard 3.5 inch floppy disk cartridge. Capacity is unlimited by the use of additional disks.

■ **PERFORMANCE** - A linear voice coil actuator gives the BR 3225 a 35 millisecond average access time. The 1.25 megabyte per second data transfer rate is supported by the drive's internal full track buffer and proprietary data handling algorithms.

■ **FLOPPY COMPATIBILITY** - Enhanced electronics permit the BR 3225 to read IBM formatted 3.5 inch floppy disks. The drive automatically identifies 1.0 MB, 2.0 MB, or 25.0 MB disks and configures itself for that media.

■ **INTERFACE** - The drive has a built-in SCSI interface that is compatible with the common command set.

■ **TECHNOLOGY** - Brier's unique buried servo design improves seek accuracies and virtually eliminates off-track read errors. The entire surface of the disk is available for the storage of user data.

■ **DATA RELIABILITY** - Disks are servo written, formatted and defect mapped at the factory. Automatic retry with offset and ECC ensure maximum data integrity.

■ **FEATURES** - A solenoid interlock prevents premature ejection of the disk while data operations are in progress. The cartridge is automatically write-protected in 1.0 MB or 2.0 MB floppy disk drives to prevent writing on the BR 3225 disk. An optional bezel kit is also available for applications in 5.25 inch systems.

■ **POWER** - Low power requirements coupled with the drive's power management algorithms make the BR 3225 ideal for use in laptop and portable systems.

