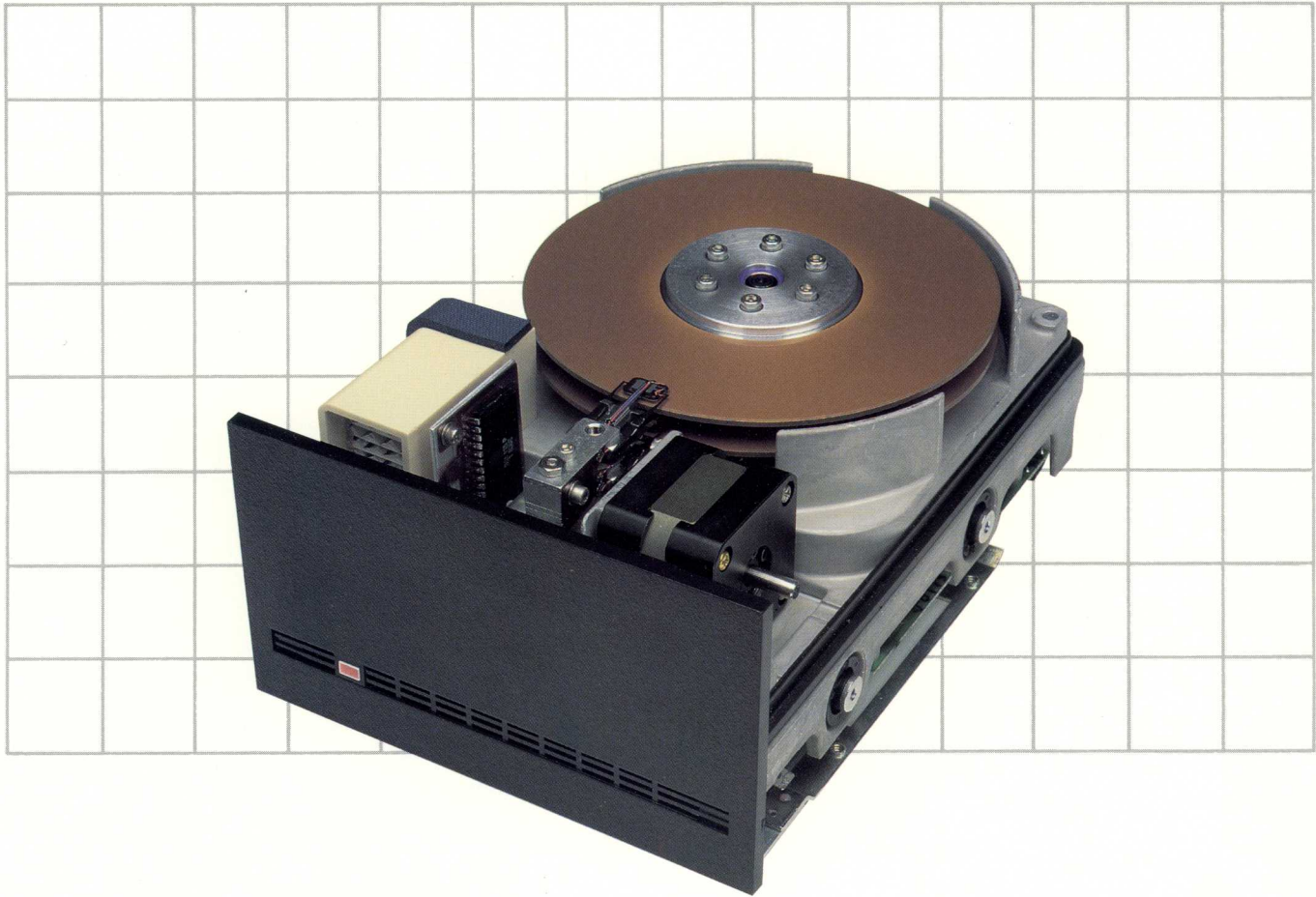




JUL 9 1984



## 5.25" Winchester Disk Drive

The 2012 provides 12 MBytes of storage capacity. Ideal for today's portable and desk top systems, the 2012 is fully compatible with the industry standard interface.

To ensure that OEM's are getting the highest quality and most reliable 5.25 inch Winchester available, MiniScribe disk drives must pass 96 continuous hours of extensive performance and quality control tests. That's the MiniScribe standard of excellence.

### Features:

- Proven rack and pinion actuator for positioning accuracy over temperature extremes.
- IC preamplifier, within the sealed enclosure, assures data reliability in electrically noisy environments.
- Microprocessor-controlled internal self diagnostics provide fast performance verification.
- Industry standard interface.
- Patented breather filter, coupled with a recirculating filter, guarantees a clean and pressurized environment to heads and disk.
- Dedicated shipping zone in non-data area, plus durable shock mounting, provide outstanding protection against severe handling.
- Single PC board increases reliability through reduced component count and fewer interconnections.



## 5.25" Winchester Disk Drive

### Specifications

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#### Capacity Unformatted

Per Drive	12.8 MBytes
Per Track	10,416 Bytes

#### Capacity Formatted

Per Drive	10.0 MBytes
Per Track	8,192 Bytes
Per Sector	256 Bytes
Sectors Per Track	32

#### Functional

Rotational Speed	3600 RPM
Recording Density	8,280 bpi
Areal Density	3.3 Mbits/sq. in.
Track Density	402 tpi
Tracks	1,224
Cylinders	306
R/W Heads	4
Disks	2

#### Access Time (incl. settling)

Average	85 msec.
Track-To-Track	18 msec.
Latency (average)	8.33 msec.

#### Reliability

MTBF	10,000 hours
PM	None
MTTR	30 minutes

#### Error Rates

Soft Read Errors	1 per 10 <sup>10</sup> bits read
Hard Read Errors	1 per 10 <sup>12</sup> bits read
Seek Errors	1 per 10 <sup>6</sup> seeks

#### DC Power Requirements

+ 5 V DC ± 5%	1.0 amp typical
+ 12 V DC ± 5%	1.5 amp typical
Start surge (5 sec.)	4.5 amps

#### Environmental Limits

Ambient Temperatures	40° F to 115° F (4° C to 46° C)
Relative Humidity	8% to 80%
Maximum Wet Bulb	78° F (26° C)

#### Heat Dissipation

23 watts

#### Physical

Height	3.25 in.
Width	5.75 in.
Depth	8.00 in.
Weight	5.5 pounds

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#### Authorized Distributor:

Kierulff Electronics  
Palo Alto, CA 415-968-6292

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