

D3142

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[Product Info](#) | [Non-Current Hard Disk Drives](#)**D3142**
44 MB, ST412, 3.5 Inch

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Formatted:

44.7 MB

Unformatted:

53.4 MB

Configuration Information**Switches:**[Top](#)

Drive Address Switch:

SW2-1 "on," all others "off" = addr 1

SW2-2 "on," all others "off" = addr 2

SW2-3 "on," all others "off" = addr 3

SW2-4 "on," all others "off" = addr 4

Terminating Resistor Switch:

Serial configuration-SW1-1 always "off";

if one drive, set SW1-2 thru 8 to "on."

If more than one drive, set SW1-2 thru 8

to "off."

Parallel configuration-SW1-1 may be "on"

or "off" depending on HDD controller.

Set SW1-2 thru 8 to "on."

Dimensions**Height:**[Top](#)

1.6 in/41 mm

Width:[Top](#)

4.0 in/101.6 mm

Depth:[Top](#)

5.8 in/146 mm

Weight:[Top](#)

2.0 lb/0.9 KG

Disk Configuration**Disk Size:**[Top](#)

3.5"

Disks:[Top](#)

4

Data Heads:[Top](#)

8

Data Surfaces:[Top](#)

8

Tracks/Surface:[Top](#)

642

Track Density:[Top](#)

850 tpi

Bit Density:[Top](#)

14,000 bpi

Sectors/Track:[Top](#)

17 (RLL = 26 sectors)

Bytes/Sector:[Top](#)

512

Record Method:[Top](#)

MFM

Environmental

Temperature: Operating = 5° to 50° C

[Top](#)

Thermal Grad: 10° C/Hr max

[Top](#)

Shock: Operating = 2 G (10 ms)
Non-operating = 40 G (10 ms)

[Top](#)

Vibration: Operating = 0.2 G
Non-operating = 0.5 G

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Performance Specifications

Rotational Rate: 3,600 RPM

[Top](#)

Start/Stop Time: 15 seconds typical

[Top](#)

Seek Times: Average = 28 ms
Track to track = 8 ms
Maximum = 54 ms

[Top](#)

Latency, Avg: 8.33 ms

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Interface: ST412

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Data Transfer: 625 KB/sec

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Power

Voltage Req'd: +5V/+12V

[Top](#)

Pwr Dissipation: Ready mode = 9.2 watts

[Top](#)

MTTR: 30 Minutes

[Top](#)

Reliability

MTBF: 30,000 POH

[Top](#)

Error Rate: Recoverable = <1 per 10-10th bits

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