

NP37

LARGE CAPACITY DISK DRIVE

MAY - 1981

Product :

An especially refined random access storage device with a large storage capacity, NP37 has been developed by applying a thin film technology on the head combined with the proven NPL Winchester disk technology.

NP37 employs dual actuator, thereby permitting one voice coil motor to drive each of two carriage head assemblies independently.

Disks, two carriage assemblies and a spindle are accommodated in a casting housing ; Head Disk Assembly (HDA) and thus reliability is increased. For this reason, NP37 is characterized by higher operational reliability as well as compact structure.

Features :

- Average positioning time is 20 ms or less.
- Large storage capacity is provided : storage capacity of each drive is 680 M bytes (unformatted), and the maximum storage capacity of each string is 2,724 M bytes with 4 cabinets.
- Excellent cost performance.
- High reliability : 2-7 recording method with thin film technology is adopted, thereby enhancing reliability for high recording density.
- Diagnostic capability is provided.
- RPS (Rotational Position Sensing)

Redundant Feature :

- SSW (String Switch Feature)



NP37-A01

Performance Specification

Total Capacity (M bytes)	571.392
	680.988 (unformatted)
Positioning Time (m sec.)	Ave. 20
	Min. 5
	Max. 40
Average Latency (m sec.)	10.12
Data Transfer Rate (K bytes/sec.)	1,859
Number of Platters	7
Data Surfaces	12
Servo Surfaces	2
Number of Spindle	1
Actuator per Spindle	2
Cylinder per Actuator	750
Track per Cylinder	12
Block per Track	62
Byte Capacity per Block	512

Models	NP37-A01	NP37-B01
Physical dimensions (W x D x H)	775x813x1000 mm (30.5x32x39.4 inches)	525x813x1000 mm (20.7x32x39.4 inches)
Weight	300 Kg (661 lb)	210 Kg (463 lb)
Power Requirements	1.2 KVA	0.8 KVA
	200, 220, 235, 380V/50Hz. 3 ϕ	200, 208, 230V/60Hz, 3 ϕ
Heat Dissipation	3,080 BTU/H	1,710 BTU/H
Operating Environment		Temperature 16 - 32°C (60 - 90°F) Humidity 8 - 80%RH

* The effective width of Model B01 when attached to a Model A01 or another Model B01 is 508mm (20 inches).

For further information, please contact :



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