

NP75S

LARGE CAPACITY DISK DRIVE

MAY 19 1983

Product :

An especially refined random access storage device with a large storage capacity, NP75S has been developed by applying high performance recording technology combined with the proven NPL Winchester disk technology.

NP75S 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, NP75S is characterized by higher operational reliability as well as compact structure.

Features :

- Average positioning time is 19 ms or less.
- Large storage capacity is provided : storage capacity of each drive is 869 M bytes (unformatted), and the maximum storage capacity of each string is 6,951 M bytes with 8 cabinets.
- Excellent cost performance.
- High reliability : 2-7 recording method.
- High performance head and media.
- LSI technology.

Redundant Features :

- Diagnostic capability.
- X-call Feature.



NP75S

Performance Specification

Total Capacity (M bytes)	756.548 868.848 (unformatted)
Positioning Time (m sec.)	Ave. 19 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	962
Track per Cylinder	12
Block per Track	64
Byte Capacity per Block	512

Model	NP75S
Physical dimensions (W x D x H)	525x813x1000 mm (20.7x32x39.4 inches)
Weight	210 Kg (463 lb)
Power Requirements	0.8 KVA 200, 220, 235, 380V/50Hz, 3 ϕ 200, 208, 230V/60Hz, 3 ϕ
Heat Dissipation	1,750 BTU/H
Operating Environment	Temperature 16 - 32°C (60 - 90°F) Humidity 8 - 80%RH

For further information, please contact:



Nippon Peripherals Limited

660 Miyamae, Fujisawa-shi,
Kanagawa-ken 251, Japan
Phone (0466) 26-8211 Telex 3862-493