

NP80

STREAMING TAPE UNIT

Back-Up for Disk Drive

The NP80 is designed primarily as a back-up device for Winchester type fixed disk drives. It has two operating modes - start/stop mode and streaming mode. In start/stop mode, the NP80 runs at 0.318m/s (12.5 ips) and reads or writes data blocks with start/stop motion the same as a conventional tape unit. On the other hand, in streaming mode, the NP80 runs at 2.54 m/s (100 ips) and reads or writes data blocks without start/stop motion.

This streaming mode has a great advantage for dump or restore operation for back-up of fixed disk.

Reel to Reel Tape Drive

The NP80 Magnetic Tape Unit drives tape directly from reel to reel without a capstan or tape buffers such as vacuum columns or tension arms. It provides simple design and outstanding reliability.

Compatible Media Format

The NP80 has nine tracks and 63rpm (1600 bpi) density phase encoded (PE) recording and is compatible with IBM and ANSI standard formats.

IBM Compatible model

Three types of NP80 models are IBM8809 compatible. The NP80 - 1A and 3A include a power supply. The NP80 - 2A does not have a power supply. It is supplied power by either the 1A or 3A model.

NP80-1A attaches to external control lines and serves as the first unit in a series of NP80's. The NP80-3A can connect with the NP80-2A.

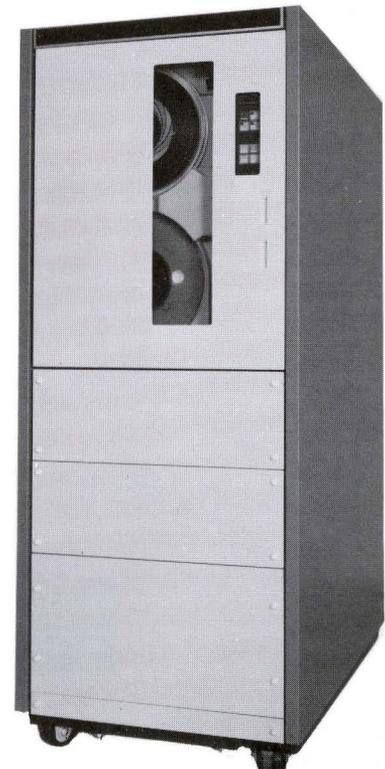
All models include a formatter.

OEM model

The NP80 is also available in other industrial standard interface models with a formatter. We are pleased to offer you either in stand alone cabinet or in rack mountable size.



NP80 Stand Alone



NP80 Rack Mount

NP80 Specifications

START / STOP MODE

STREAMING MODE

Recording Density	63 rpmm (1600 bpi)	
Recording Mode	9 tracks PE (ANSI and IBM compatible)	
Data Transfer Rate	20 kBytes / sec	160 kBytes / sec
Tape Speed ($\pm 5\%$)	0.318 m / sec (12.5ips)	2.54 m / sec (100ips)
Normal Load Time	10 sec	
Rewind Time for 732m (2400ft) Tape	2.6 minutes	
IBG Length	15.2 mm / 30.5 mm (0.6" / 1.2") externally selected	
Access Time for short IBG/long IBG		
Read Nominal	44 ms / 92 ms	335 ms / 341 ms
Write Nominal	40 ms / 88 ms	335 ms / 341 ms
Command Reinstruct Time for short IBG/long IBG		
Read Block	————	6.0 ms / 10.5 ms
Write Block	————	4.5 ms / 10.5 ms
Write Tape Mark	————	4.2 ms / 8.7 ms
Space Block	————	4.2 ms / 8.7 ms
Nominal Repositioning Time after Command Reinstruct Time	————	1165 ms
Nominal Positioning Time after Command Reinstruct Time	————	870 ms
Tape Reel Size	266.7 mm (10.5"), 215.9 mm (8.5") 177.8 mm (7.0") and 158.8 mm (6.25")	
Size	Stand Alone	536mmW \times 1000mmH \times 815mmD (21"W \times 40"H \times 32"D)
	Rack Mount	482mmW \times 619mmH \times 655mmD (19"W \times 25"H \times 26"D)
Weight	Stand Alone	150kg (330lb) NP80-1A or 3A 110kg (242lb) NP80-2A
	Rack Mount	100kg (220lb)
Power Requirements	50Hz, 1 ϕ , 100 / 110 / 200 / 220 / 230 / 240V 60Hz, 1 ϕ , 100 / 110 / 120 / 200 / 208 / 220 / 240V	
Power Consumption	0.8kVA NP80-1A, 3A and Rack Mount 0.6kVA NP80-2A	
Operating Temperature	5°C ~ 41°C (41°F ~ 105°F)	
Operating Humidity	8% RH ~ 80% RH	

Note: These specifications are subject to change without notice.



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