2883A

Disc File

The Hewlett-Packard 2883A supplies over 11 million 16-bit words of disc storage. Its large storage capacity allows computer solutions to problems that require quick random access to data. The 2883A uses a removable pack. Now your HP computer has the flexibility of dedicating a pack to a particular computing problem. Its 32 millisecond access time assures you that information will be in memory when you need it -- making more efficient use of your HP computer.

The 2883A has a slave unit (2884A) which uses the controller of the 2883A and doubles the on-line storage.

The HP 2883A is supported by a modular disc operating system custom tailored to fit your configuration. This facilitates the manipulation of a disc input/output file. To speed and simplify the creation, checkout and execution of your disc oriented programs, FORTRAN II and IV, ALGOL and Assembler Language are available. Normally, 12K words of computer memory are required to use the 2883A Disc Operating System. This includes, however, a user area that varies depending upon your computer configuration.

The HP 2883A is backed up by a world-wide service organization of over 140 sales and service offices.

HEWLETT **hp** *PACKARD*

DIGITAL COMPUTERS

specifications

**2883A Disc File with Controller,
2884A Disc File Slave and
2885A Power Sequencer**

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ACCESS TIME	Minimum 10 ms	
	Average 32 ms	
	Maximum 60 ms	
OPERATION	Start up	20 sec
	Stop time	20 sec maximum
	Disc Rotational Speed	2400 RPM
	Number of Heads	20
	Storage Capacity	11.7 million 16-bit words
	Data Transfer Rate	118,000 words/sec average
DISC PACK — HP 12868A	No physical sectoring required	
	IBM 2316 or equivalent	
	20 surfaces	
	200 tracks/surface	
ENVIRONMENT	Temperature	15° to 35°C (60° to 90°F)
	Humidity	to 80% relative humidity
	Heat dissipation (BTU/Hour)	2883A: 3000
		2884A: 2200
		2885A: 900

POWER	60 Hz	50 Hz
	208 VAC ± 10%	220/240 VAC ± 10%
	3 phase 60 Hz ± 1%	Single phase 50 Hz ± 1%
	5 amps running	4.5 amps running
	25 amps starting surge	25 amps starting surge
	2885A Power Sequencer (rack mounted) supplies power to a maximum of 6 Disc Drives	

INTERFACE	Kit No. HP 12565A (uses 2 I/O slots in the computer. Requires the use of Direct Memory Access.)
	Current: 2.30A (+4.5V); 0.15A (2.0V)
	No other voltages required.
	Interface kit will support one 2883A and one 2884A.

PHYSICAL	Height	40-inches (1016 mm)
	Width	30-inches (762 mm)
	Depth	24-inches (609,6 mm)
	Weight	390 lbs (858 kg)
	Mounting	Casters and Levelers
	Required Clearance	18-inches Front and Rear