

## Features

- Prints 136 columns of 64 characters at 600 lines per minute
- Prints 136 columns of 96 characters at 436 lines per minute
- 12 channel Vertical Forms Control
- Clear, crisp printout
- Single through 6 part forms
- 64 or 96-character ASCII drums
- 6 or 8 lines per inch — operator selectable

The HP 2617A represents an optimized combination of high print quality, speed and low price in a drum printer subsystem. This unit is ideally suited for applications requiring a medium speed printer in an HP 3000 computer system.

The HP 2617A attains a print rate of 600 lines per minute when printing a full 64 character set in a 136 column format. Print rate is 436 lines per minute for 96 character set configurations.

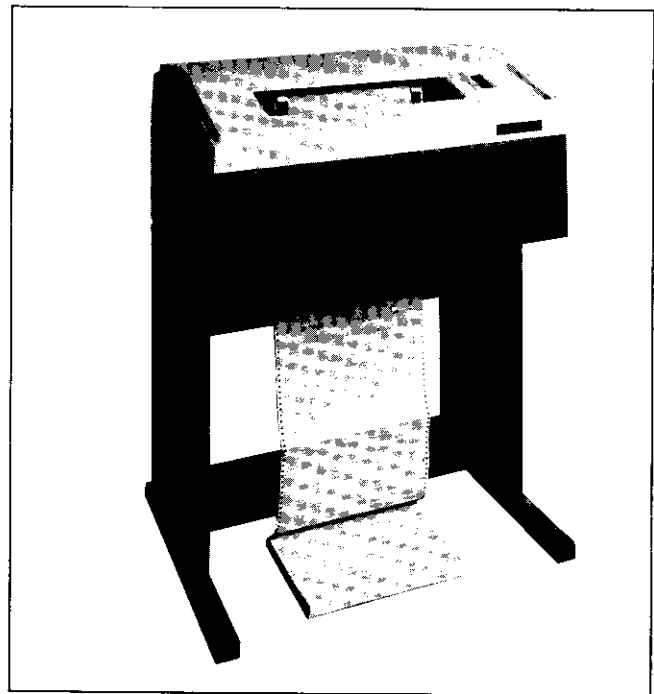
A 12 channel Vertical Format Unit allows convenient and efficient printing in pre-determined formats such as business forms. The VFU uses commonly available control tapes. Under program control the VFU may be commanded to slew to the next hole in a given channel of the tape or to slew an absolute number of lines from 0 to 15. Two VFU channels can be monitored by the computer from user-written SPL procedures. This feature may be used to further simplify forms control programming.

A switch allows the operator to choose 6 or 8 lines per inch. An appropriate VFU tape should be mounted on the printer.

Six part forms are easily handled by the HP 2617A. Forms alignment is simplified by horizontal and vertical paper alignment guides. Fine vertical paper alignment adjustments can be made while printing. A paper receptacle is provided on the rear of the printer.

Operation at high paper rates and low humidity is aided by inclusion of an electronic static eliminator.

An ASCII 64 character set is standard with 96 character ASCII optional. Special character sets including non



English language and OCR fonts are available as specials. Consult your local HP Sales Representative for information. This printer meets all safety requirements for listing by Underwriters Laboratories in the EDP equipment category.

## Specifications

(Assumes 40% duty cycle)

### Paper feed

One set of pin tractors above drum, friction paper tensioner below drum.

Line Advance: 25 milliseconds

Slew Rate: 25 inches (63.5 cm) per second

### Paper dimensions

Standard fanfold, edge punched paper

4 inches (10.2 cm) to 16 inches (40.6 cm) wide

### Paper type

Single copy, 15 lb. bond minimum weight

Multi-copy up to 6 parts, 12 lb. bond with single shot carbon

## Vertical format unit

Number of Channels: 12  
Addressing: Slew to next hole in channel "n" or slew 0 to 15 lines

## Character drum

Characters per Line: 136  
Character Type: Open Gothic  
Symbol Size (Typical): 0.095 inch (2.4 mm) high  
0.064 inch (1.65 mm) wide  
Character Code: ASCII  
Standard 64 Character Set:

|                      |                       |                      |
|----------------------|-----------------------|----------------------|
| @ - at, each         | # - number            | - - minus sign       |
| A-Z - alphabet       | \$ - dollar sign      | . - period           |
| [ - left bracket     | % - percentage        | / - right slash      |
| \ - left slash       | & - ampersand         | 0-9 - decimal digits |
| ] - right bracket    | , - comma             | : - colon            |
| ^ - caret            | ( - left parenthesis  | ; - semi-colon       |
| _ - underscore       | ) - right parentheses | < - less than        |
| (BLANK) - one space  | * - asterisk          | = - equal sign       |
| ! - exclamation mark | + - plus sign         | > - greater than     |
| " - double quote     | ' - apostrophe        | ? - question mark    |

Optional 96 Character Set Adds the Following:

|                  |                  |
|------------------|------------------|
| ` - grave accent | - vertical line  |
| a-z - alphabet   | ~ - tilde        |
| { - left brace   | - space (delete) |
| } - right brace  |                  |

## Physical characteristics

Height: 45 inches (114.5 cm)  
Width: 33 inches (83.8 cm)  
Depth: 22 inches (55.9 cm)  
Weight  
Net: 340 lb. (154.2 kg)  
Shipping: 365 lb. (165.6 kg)

## Printing speeds

| Char. Set | Drum Speed | 136 Char. Line Per Minute |
|-----------|------------|---------------------------|
| 64        | 1200       | 300                       |
| 96        | 800        | 240                       |

## Site preparation data

|                        | USA<br>(60 Hz) | FOREIGN<br>(50 Hz) |
|------------------------|----------------|--------------------|
| VOLTAGE                | 115            | 230                |
| PHASES                 | 1              | 1                  |
| CURRENT PER PHASE      | 10A**          | 5A***              |
| CONNECTION CODE        | A              | A                  |
| HEAT OUTPUT (per hour) | 1800 btu       | 454 kcal           |
| WEIGHT                 | 340 lb         | 155 kg             |
| SIGNAL CABLE LENGTH *  | 50 ft          | 15.2 m             |

\*Up to 500 ft (152 m) can be special ordered.

\*\*22A surge

\*\*\*11A surge

## Throughput data

Duty cycle: 20%  
Print cycle: 40% (per page)  
(425 pages/hour for heavy print periods. 681 pages/8 hour day). Refer to "A Guide to Hewlett-Packard Printers" for detailed performance data.

## System requirements

The 2613A will operate with any HP 3000 computer system. Must also specify 30209A interface.

## Installation

Any 2613A with option 300 includes installation by a factory authorized Customer Engineer.

## Ordering information

HP 2613A Line Printer. Includes 300 lpm line printer, 64 character set, 136 columns, 115V/60 Hz; VFU tapes (6 and 8 lines/inch); printer ribbon; operator's manuals.  
HP 2613A-001. Replaces 64 character set with 96 character set. Print speed 240 lpm, 136 columns, 115V/60 Hz.

HP 2613A-002 adds 64 character set using OCR-B font. "Slug" character in place of backslash for use with optical mark reader.

HP 2613A-003 adds 96 character set in OCR-B as above.

HP 2613A-015. Changes power to 230V/60 Hz.

HP 2613A-016. Changes power to 230V/50 Hz and enhances drum to 96 characters. Print speed 240 lpm, 136 columns.

HP 2613A-300 HP 3000 Interface signal cable and service manual.

HP 30209A Line Printer Controller.

## Ordering example

To add a 300 lpm line printer with standard capabilities to the HP 3000, the following products should be ordered:

HP 30209A Line Printer Controller

HP 2613A Line Printer

HP 2613A-300 HP 3000 Interface signal cable and service manual.

*Note: Consult the Series I or pre-Series II Configuration diagram if ordering for an HP 3000 Series I, HP 3000CX, or original HP 3000.*

## Operating supplies available

9282-0545 Printer Ribbon

9320-1659 Paper stock, single part 14.87 x 11 inches (37.8 x 27.9 cm) green bar, 3000 pages per box.

Contact your HP Sales Office for other available stock. Sufficient paper is supplied with the printer for installation testing. User should order operating quantities in advance of installation.

## Vertical format unit

Number of channels: 12  
 Addressing: Slew to next hole in channel n or slew  
 0 to 15 lines  
 Status Channels: 9 and 12 may be read back by user  
 programs to determine form position

## Character drum

Characters per line: 136  
 Symbol Size (Typical): 0.095 inch (2.4 mm) high  
 0.065 inch (1.65 mm) wide  
 Character Code: ASCII  
 Standard 64 Character Set:

|                      |                       |                      |
|----------------------|-----------------------|----------------------|
| @ - at, each         | # - number            | - - minus sign       |
| A-Z - alphabet       | \$ - dollar sign      | . - period           |
| [ - left bracket     | % - percentage        | / - right slash      |
| \ - left slash       | & - ampersand         | 0-9 - decimal digits |
| ] - right bracket    | , - comma             | : - colon            |
| ^ - caret            | ( - left parenthesis  | ; - semi-colon       |
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| (BLANK) - one space  | * - asterisk          | = - equal sign       |
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## Optional 96 Character Set Adds the Following:

|                  |                  |
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| ` - grave accent | - vertical line  |
| a-z - alphabet   | ~ - tilde        |
| { - left brace   | - space (delete) |
| } - right brace  |                  |

Note: Underscore replaced by baseline in 96 character set.

## Dimensions

Width: 33 inches (83.8 cm)  
 Depth: 26 inches (66 cm)  
 Height: 45 inches (114.5 cm)  
 Shipping Weight: 415 pounds (188.2 kg)

## Printing speeds

| Char. Set | Drum Speed | 136 Char. Line Per Minute |
|-----------|------------|---------------------------|
| 64        | 800        | 600                       |
| 96        | 533        | 436                       |

## Throughput data

Duty cycle: 40%  
 Print cycle: 40% per page  
 850 pages/hour for heavy print periods; 2747 pages  
 average throughput/8 hour day. Refer to "A Guide  
 to Hewlett-Packard Printers" for detailed performance data.

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Any 2617A printer with option 300 includes installation  
 by a factory authorized Customer Engineer.

## Ordering information

HP 2617A Line Printer. Includes 600 lpm line printer,  
 64 character set, 136 columns, 115V/60 Hz; 12 ft  
 (3.66m) power cable; VFU tapes (6 and 8 lines/inch);  
 printer ribbon; operator's manual.

HP 2617A-001. Replaces 64 character set with 96 char-  
 acter set. Printing speed 436 lpm, 136 columns,  
 115V/60 Hz.

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 mark reader.

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HP 2617A-016. Changes power to 230V/50 Hz and  
 enhances drum to 96 characters. Print speed 436 lpm.  
 136 columns.

HP 2617A-300 HP 3000 Interface signal cable and ser-  
 vice manual.

HP 30209A Line Printer Controller.



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 to the HP 3000, the following products should be  
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HP 2617A Line Printer

HP 2617A-300 HP 3000 Interface signal cable and ser-  
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 of installation.

## Site preparation data

|                        | USA<br>(60 Hz) | FOREIGN<br>(50 Hz) |
|------------------------|----------------|--------------------|
| VOLTAGE                | 115            | 230                |
| PHASES                 | 1              | 1                  |
| CURRENT PER PHASE      | 10A            | 5A                 |
| CONNECTION CODE        | A              | A                  |
| HEAT OUTPUT (per hour) | 2335 btu       | 589 kcal           |
| WEIGHT                 | 370 lb         | 168 kg             |
| SIGNAL CABLE LENGTH *  | 50 ft          | 15.2 m             |

\*Up to 500 ft (152 m) can be special ordered.