

model 500 printer

100 char/sec

132 char/line

40 to 150 lines/min



standard features

- Parallel data input
- Elongated boldface characters (line-by-line)
- Paper runaway inhibit (10 second time out)
- Lower case prints as upper case
- Automatic line feed on carriage return
- Gated strobe pulse (data input)
- 117 Volts, 60 Hertz
- Prints original plus four copies
- Coded character software
- Fixed vertical/horizontal registration
- Low noise level

optional features

- Vertical format control
- Automatic motor control
- Serial data input
- Single/double line feed switch
- Foreign and other character sets
- 9 x 7 dot matrix character sets
- Expanded character sets (up to 128 characters)
- Audio alarm buzzer
- 50 Hertz, 234 Volts AC
- Line feed switch
- Non-gated strobe
- Automatic line feed disabled
- Selectable single character elongation
- Inhibit prime on select
- Automatic carriage return on line feed, vertical tab and form feed

The 500 is a low cost 100 character per second 5 x 7 dot matrix, serial, impact printer that establishes a new price/performance standard. A wide range of options allows the printer to be styled for specific application requirements. Capable of producing an original plus up to four clear carbon copies, the 500 can operate with the paper supply located to the rear or below the printer.

Various character sets are available which permit flexibility of character formation unachievable by standard full character printers. Character sets can be increased up to 128 characters as an option. The standard mode produces a line of elongated boldface characters on command. An optional capability is that it can elongate a single character.

Each printer is a completely self-contained unit which includes the mechanical and electro-mechanical components, control logic, character pattern generator, single line buffer (132 characters) and power supply. The 500 offers long uninterrupted operation and excellent reliability due to the use of many field proven modules from 100 series printers. All complex logic functions have been condensed into LSI (Large Scale Integration) electronics reflecting the latest state-of-the-art technology. The modular design of the electronics package on one printed circuit board permits utmost flexibility in interfacing, thus allowing full use of the printer in many different types of systems. Applications for the 500 printer include high-speed hard copy output for terminals, time sharing systems, communications applications, mini/midi computer outputs, and many others. All Centronics printers are plug-to-plug compatible.

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specifications

Printing Method	Impact, character-by-character, one line at a time
Printing Rate — Characters	100 characters per second
— Full Lines	40 lines per minute (132 character line)
— Short Lines	150 lines per minute (20-30 characters)
Transmission Rate — Serial	100 to 9600 baud (with Serial option)
— Parallel	Up to 75,000 characters per second
Data Input	Parallel (Serial option available)
Character Structure	5 x 7 dot matrix, 10-point type equivalent 9 x 7 dot matrix, 10-point type equivalent (option)
Code	USASCII — 64 characters printed
Indicator - Switch Controls	ON/OFF, SELECT, FORMS OVERRIDE. Option: TOP OF FORM, LINE FEED, SINGLE/DOUBLE LINE FEED
Indicators	PAPER OUT, SELECT
Manual Controls	Form Thickness, Paper Advance Knob
Character Buffer	132 characters (1 line)
Format	132 characters maximum per line, 6 lines per inch
Paper Feed	Sprocket feed, adjustable to 14 ⁷ / ₈ " width
Paper	Standard sprocketed paper
Number of Copies	Original and up to four carbon copies
Dimensions	13 ³ / ₄ " high, 18 ³ / ₄ " deep, 29" wide
Weight	90 pounds
Electrical Requirements	117 VAC ± 10%, 60 Hz. 117/234 VAC ± 10%, 50 Hz (option)
Temperature — Operating	40° to 100° F
— Storage	-40° to 160° F
Humidity — Operating	5% to 90% (no condensation)
— Storage	0% to 95%

Specifications subject to change without notice.

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Covered by U.S. patents 3,516,068 and 3,690,431 and other U.S. patents and foreign patents pending.

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