Model PM017 Matrix Printer

OVERVIEW

The Wang Model PM017 is a bidirectional matrix printer, designed for data processing applications on Wang VS5 and VS6 systems, 2200 systems, and the Asynchronous Device Controller (ADC).

Designed to combine rapid printing with quiet operation, the Model PM017 prints up to 400 characters per second (cps) with a noise level that does not exceed normal office requirements.

The Model PM017 uses the Wang International Standard Code for Information Interchange (WISCII) character set. The WISCII character set contains 96 ASCII characters and 113 additional international characters and symbols, making it possible to print in up to 15 different languages.

Three font styles are available with the Model PM017. The three font styles are

- 10-pitch Standard Pica
- 12-pitch Standard Elite
- 16-pitch Standard Condensed

The printer uses continuous-form paper, which can be fed to the printer from the rear of the printer and from the bottom of the printer. The printer can accommodate paper widths from 5.0 inches (12.7 cm) to 15.5 inches (39.4 cm), and multipart forms consisting of the original plus four copies.

The printer uses easy-to-change black ribbon cartridges that have a life expectancy of 5 million characters.

A full-function control panel allows the user to control and monitor printer operation. The control panel contains the following switches and indicators: TOF (Top Of Form) switch, FF (Form Feed) switch, LF (Line Feed) switch, ON LINE switch, ON LINE indicator, POWER indicator, and P. (Paper) EMPTY indicator. In addition, the printer emits a tone that audibly alerts the user to specific operating conditions or problems.

A self-test function is included with the printer. The self-test makes it possible for the user to check print quality and overall printer operation.

SPECIFICATIONS
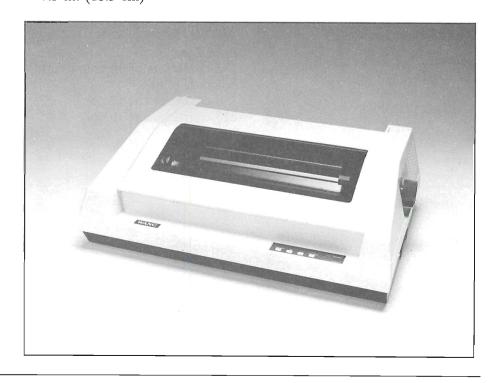
Physical Dimensions
Height
   7.3 in. (18.5 cm)
Width
   24.3 in. (61.7 cm)
Depth
   15.9 in. (40.4 cm)
Weight
   59.5 lbs (27.0 kg)

Operating Environment
Temperature
   41° to 104°F (5° to 40°C)
Relative Humidity
(noncondensing)
   20% to 80%

Electrical Requirements
Voltage
   115 Vac ± 10%
   (230 Vac ± 15%)
Frequency
   60 Hz (50 Hz)
Current
   2 A (1 A)
Power
   250 W, maximum

Acoustic Noise Level
55 dB

Heat Dissipation
855 Btu/hr (215 Kg cal/hr)

Data Communication Interfaces
RS-232-C Serial (VS systems)
Centronics Parallel (2200
systems)

Cabling
Interface cable (supplied)
Power cord (supplied)

Cable Lengths
RS-232-C Serial Interface
   12 ft to 50 ft (3.66 m to
   15.24 m)
Centronics Parallel Interface
   6 ft (1.83 m)
Power
   8 ft (2.42 m)

Switches
TOF (Top Of Form)
FF (Form Feed)
LF (Line Feed)
ON LINE

Indicators
ON LINE
POWER
P. (Paper) EMPTY
Tone

Product Safety
UL
CSA
FCC (class A)
VDE

Print Rate (maximum)
400 cps using 10-pitch Standard
Pica

Throughput Speed (maximum)
150 lines per minute (lpm) using
10-pitch Standard Pica at 132
columns
209 lpm using 10-pitch Standard
Pica at 80 columns

Character Set
WISCII-I (prints in all fonts)

Print Method
Impact, 8-pin dot matrix

Print Direction
Bidirectional, with logic seeking

Vertical Line Spacing
6 or 8 lines per in. (lpi) or
n/120 lpi

Print Line
132 characters at 10 characters
per inch (cpi)
158 characters at 12 cpi
217 characters at 16 cpi

Print Head Life
150 million characters average
(customer replaceable)

Paper Specifications
Weight
   16 lb to 20 lb (60.2 g/m^2 to
   75.2 g/m^2)
   2 lb carbonless for 5-part
   continuous forms
Thickness
   0.015 in. (0.038 cm) 5-part
   carbonless maximum
Width
   5 in. to 15 in. (12.7 cm to
   38.1 cm)
Rag Content
   Between 0% and 25%
   recommended

Copy Printing Capacity
Original plus four copies of
carbonless multipart paper

Ribbon
Endless loop, black fabric
cartridge
5 million character life

Standard Warranty Applies

Wang Laboratories, Inc., reserves the right to change specifications without prior notice.