

WANG

LABORATORIES, INC.

ONE INDUSTRIAL AVENUE, LOWELL, MASSACHUSETTS 01851. TEL (617) 851-4111. TWX 710 343-6769. TELEX 94-7421

DATA SHEET

The Model 2273 Band Printer is a medium-duty, microprocessor-controlled, solid character impact band printer which combines high-quality printed output with remarkable versatility and a number of operator convenience features. Two models of the band printer are available: the Model 2273-1, which provides nominal throughput of 250 lines per minute, and the Model 2273-2, which provides nominal throughput of 600 lines per minute.

One of the most significant features of the Model 2273 is the great versatility it affords the user in selection of character sets and styles. The character set is contained on a steel band which can be easily removed and replaced by the operator (typical time to change a band: about two minutes). Wang offers a complete library of bands in different print styles and character sets designed to meet both domestic and international requirements. Bands are inexpensive, enabling the user to build a library of character sets and typefaces that meet a wide range of printing requirements.

Additional versatility is provided in the printer's forms-handling and multiple-copy printing capabilities. Special forms printing can be controlled manually by the Forms Length Selector switch (FLS), or by the Vertical Format Unit (VFU). The VFU is loaded under BASIC software control, or optionally from 12-channel paper tape. In addition to controlling page length, the VFU provides rapid vertical tabbing under software control, making it simple to handle even the most difficult print jobs. The impact printing technique used by the Model 2273 enables it to produce clear output on multi-part forms consisting of as many as five copies, plus original.

To increase ease of operation, the Model 2273 provides a number of diagnostic and operator convenience features. A variety of diagnostics are performed automatically by the printer to check for errors. A TEST switch enables the operator to print test patterns, while the printer is off-line, for diagnostic purposes. In either case, any error detected by the printer is indicated on a digital STATUS display, from which the user can quickly determine if the problem is operator-correctable or requires a call to Customer Engineering. Additional controls and indicators include a PHASE control switch which allows the operator to maintain an even-print density among the characters, as well as POWER, ALARM/CLEAR, and ON/OFF LINE lamps, and PAPER STEP and TOP OF FORM controls. The LINES per inch switch permits the user to select either six or eight lines per inch, and the COPIES control is used to regulate printer impact intensity for multiple-copy forms. The Model 2273 also comes complete with printer stand and rear paper shelf.

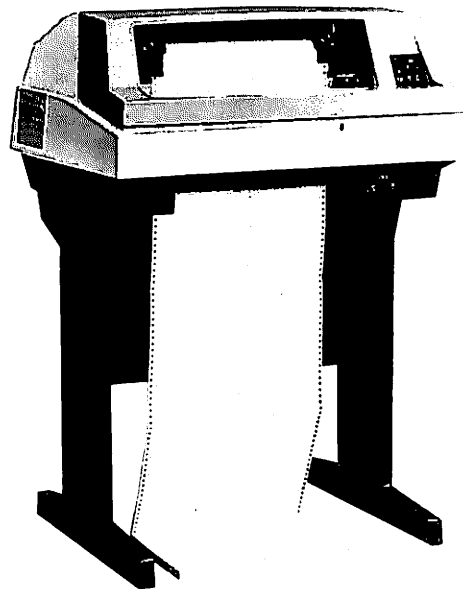
The use of band printing technology provides performance and print quality comparable to many medium- or high-speed impact printers at a much lower cost and with greater versatility. The character set is contained on a rotating steel band (character sets containing 48-, 64-, and 96-characters are available). Characters are sequenced on the band in a pattern designed to maximize print speed, and most commonly used characters are replicated on the band. A program, stored in the Model 2273, is used to tell the printer the exact location of each character on the band. Since character sequences vary between character set sizes, it is necessary that each band be used with the corresponding program. (Print rates vary among the character bands offered. This difference in print rates is a function of character pitch, the number of times the most frequently used characters are repeated on the band, and the character content of the lines to be printed.)

SAMPLE OUTPUT

ABCDEFGHIJKLMN OPQRSTUVWXYZ

1234567890

!@#\$%^&*()-+=][<>'?/.,



MODEL 2273 BAND PRINTER

FEATURES	BENEFITS
1. Band printing technology.	1. Results in good print quality at medium-speed and offers the user exceptional versatility in selection of character sets.
2. Operator changeable bands.	2. Provides the user with great versatility in selecting character sets and type styles.
3. Alphanumeric STATUS display.	3. Minimizes unnecessary service calls by indicating printer status and flagging operator correctable conditions.
4. Control panel.	4. Provides powerful diagnostic capabilities and permits easy access and simplicity of operation.
5. TEST switch.	5. Allows the operator to print test patterns, off-line, for diagnostic and forms alignment purposes.
6. 250 or 600 lines per minute.	6. Fast and accurate printout. (Print rates vary among the character bands which are offered.)
7. Microprocessor-controlled printer.	7. Allows overlap of printing with reception of output from CPU, resulting in increased throughput and higher system performance.
8. Deselection of printer.	8. Permits printer adjustments without loss of text.
9. Domestic and foreign language character sets.	9. Bands are available in English and other selected languages.
10. Small and compact printer.	10. Takes less space, and is extremely attractive.
11. Reliability	11. The band printer technology is proven to be extremely reliable.
12. VFU	12. The software-controlled VFU eliminates the need for paper carriage tape, and greatly diminishes the possibility of operator error.
13. Ease of operation.	13. The printer is easy to operate — little time is needed to train the operator.

SPECIFICATIONS

Printer Size

Height	14.9 in. (39.2 cm)
Width	30.3 in. (75.7 cm)
Depth	25.2 in. (63.0 cm)

Approximate Net Weight (Printer)

138 lb (62.4 kg)

Stand Size

Height	28.84 in. (74.3 cm)
Width	30.3 in. (78.2 cm)
Depth	25.2 in. (21.4 cm)

Approximate Net Weight (Stand)

32 lb

Speed

Model 2273-1	250 lines per minute (nominal)
Model 2273-2	600 lines per minute (nominal)

Paper Specifications

Standard fanfold margin punched paper

Width — 3 in. (minimum) to 16 in. (maximum)
(7.62 cm to 40.6 cm)

Length — up to 12 in. (up to 30.48 cm)
fixed form length.

Maximum Thickness — up to 0.02 in. (0.5 mm)

Weight

Single Copy — 15 lb minimum,

18 to 20 lb recommended

Multi-copy — 12 lb with 1 to 6 part forms

Switches

PAPER STEP, TOP OF FORM, PHASE control, LINES per inch (6 or 8), TEST, COPIES control, and Forms Length Selector

Lamps

Power On, ON/OFF LINE, ALARM/CLEAR, and STATUS indicator

Cabling

12 ft. (3.66m) cable with connector to CPU

Controller

Wang Line Printer Controller/CPU interface

Power Requirements

Domestic (USA)

115 VAC \pm 10%

60 Hz \pm 1 Hz

250 Watts (maximum)

International

115 or 230 VAC \pm 10%

50 or 60 Hz \pm 1 Hz

250 Watts (maximum)

Operating Environment

50° to 90° F (10° to 32° C)

20% to 80% relative humidity

35% to 65% recommended relative humidity

ORDERING SPECIFICATIONS

A high-speed, medium-duty, microprocessor-controlled, impact band printer which provides alphanumeric printing capability for the Wang System 2200. The printer must have a nominal print rate of 250 lines per minute, or 600 lines per minute, using a band printing technique. The bands must be operator-changeable. The printer must support bands with 48-, 64-, and 96-character ASCII character sets. The printer must contain the following switches and lamps: PAPER STEP, TOP OF FORM, PHASE control, LINES per inch, TEST, COPIES control, Power on, ON/OFF LINE, ALARM/CLEAR, STATUS indicator, and Forms Length Selector. The printer must contain its own microprocessor (allowing simultaneous input/output), and must include a stand and paper shelf.

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