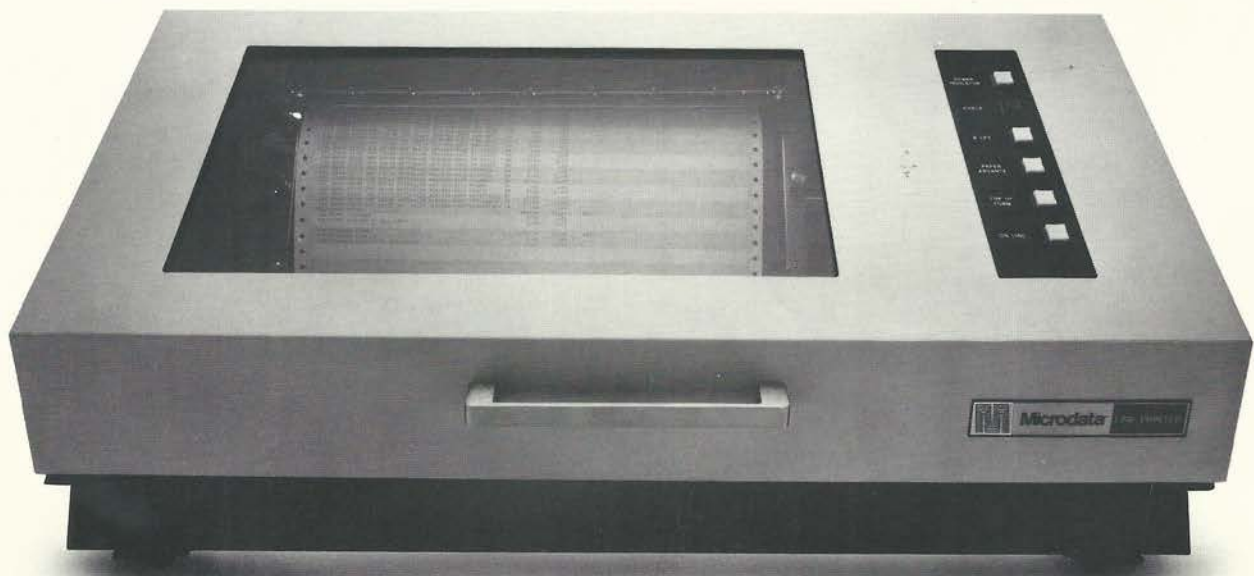# MATRIX LINE PRINTER

- 150 LPM/300 LPM/600 LPM.
- Raster dot matrix overlaps dots to produce near solid lines.
- First to last copy high print quality.
- Few moving parts provide utmost reliability.
- Straight-through paper path helps eliminate jams and multi-part forms separation.
- Program controlled electronic forms length selection and vertical format unit (VFU).
- Elongated print (double height characters).
- Underlining.
- 6 or 8 lines.
- Plotting/graphic capability.
- 1 to 6 part forms.
- Highly reliable.

Microdata
SIMPLY POWERFUL

PRODUCT INFORMATION

Microdata offers a specially designed family of Matrix Line Printers available in 150, 300, and 600 line-per-minute models. These printers have fewer moving parts and offer unrivaled reliability plus high-speed, precision performance.

The printer accepts single-part or multi-part forms on continuous fanfold, edge-punched paper up to 16 inches wide. The printer also produces high-quality copy on multi-part forms, known to be a problem on some printers.

Excellent print quality is achieved by overlapping dots of uniform density. An upper-case character is formed by a 9×7 dot matrix, with five overlapping dots in the horizontal plane on nine centers for accurate character rendition. The nature of the printing mechanism ensures accurate dot placement throughout the life of the machine, without any adjustment.

Characters are printed in a line of up to 132 characters, with line spacing of six or eight lines per inch selected by the operator or by the program. The standard character set is upper/lower case 96-character ASCII.

Standard features permit printing double-height (elongated) characters, and underlining. The printer also includes an electronic VFU (vertical format unit) for setting the appropriate form length via program control.

SPECIFICATIONS

Technical

Model:	531X	533X	536X
Print Speed*:			
Upper Case Lines:	150LPM	300LPM	600LPM
Underlined/Descender** Lines:	120LPM	240LPM	465LPM
Double High Lines:	85LPM	175LPM	320LPM
Plotting Rate:	8⅔ inches per min	16⅔ inches per min	16⅔ inches per min
Paper Feed Speed:	33 msec ⅙ inch step 8 inches per second slew	33 msec ⅙ inch step 8 inches per second slew	16.5 msec ⅙ inch step 16 inches per second slew

*Actual print speed depends on system loading, and in serial mode varies with print line length and transmission speed.
**Lower case characters with tails.

Character Format: 7×9 dot matrix, 9×9 for lower case descenders.
Character Set: Standard 96 character ASCII (upper/lower case).
Horizontal Format: 132 characters per line, 10 characters per inch.
Vertical Format: 6 lines per inch, 8 lines per inch selected by control panel switch or programmed control codes.
Data Buffer: 132 characters (parallel mode). 2048 characters (serial mode).†
Plot Mode Density: 60 dots/inch horizontal; 72 dots/inch vertical.
Paper Type: Edge punched, fanfolded continuous forms. One to six parts. Up to 16 inches wide.
Forms Control: Electronic vertical format unit (14 channel). Form length selected by programmed control codes (11 inch default, 22 inch maximum). Paper motion detector. Paper out sensor.
Ribbon Type: 1 inch wide, 60 yards long. Nylon fabric. Automatic reverse.
Interface: Parallel bit ASCII code, TTL logic levels. Optional serial RS-232C for 150 and 300 LPM. Operates up to 9600 baud.
Controls: Power, Top of Form, On/Off Line, Paper Advance, 6 or 8 Lines per inch, Reset, Forms Thickness Adjustment, Horizontal Position Vernier, Vertical Position Adjustment.
Indicators: Power On, Check, VFU Loaded, 8 lines per inch, On Line.

Physical

Dimensions: 30.0" (76.2cm) wide; 16.5" (41.9cm) high; 24.5" (62.2cm) deep.
Weight: 176 pounds (80Kg).
Characteristics: Quietized cabinet (below 64 db). Basket and guide included. Pedestal included.

Electrical

Voltage: 110, 220, 240 VAC.
Frequency: 50/60 Hz.
Consumption: 253 watts (standby), 470 watts (nominal), 600 watts (maximum).
Regulatory Safety: UL approved, meets FCC requirements.

To Order

For Reality® System: Model #5315
For Sequel™ System: Model #7-5315
For Sovereign® System: Model #7105

†Not applicable for the Sovereign® Computer System.
Specifications subject to change without notice.

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