HIGH PERFORMANCE MATRIX PRINTERS

- Choice of print modes: data processing, draft or near-letter quality.
- Complete character selection: 96 ASCII and 40 national characters.
- Multiple fonts: normal, micro and gothic typefaces built-in.
- Quality printing features: true underlines and descenders, bold/shadow print, subscripts and superscripts.
- Range of speeds: Logic-seeking, bidirectional printing generates 100 to 400 CPS depending on model and mode.
- Precise format control: full range of line and character spacing, margin setting, tabs, form lengths.
- Precise paper handling: push tractors, friction pinch rollers, stepper motors produce highly stable dot patterns.
- Dot addressable graphics: 72×72 dots per inch.
- Rugged construction: UPS shippable.
- Compact and lightweight: 23 lbs.
- Powerful: prints original plus up to five high-quality copies on multi-part forms.
- Easy to use: all options controlled through front panel or software-selectable.

Microdata
SIMPLY POWERFUL

Microdata's family of High Performance Matrix Printers provides both versatility and reliability to satisfy a variety of speed, volume and quality demands. Three models offer a range of print modes including data processing, draft and near-letter quality. Mode selection is provided on two models. Speeds range from 100 to 400 characters per second, depending on model and print mode.

Font, format, and paper handling options as well as communication parameters are selectable through a convenient front panel or by host computer software. A menu printout shows current option and parameter settings. All settings are retained in battery-powered memory.

Single or double (parallel or staggered) nine-wire print heads form characters with dot densities up to 9 wide by 18 high in near-letter quality mode. For high-speed applications, normal dot densities produce excellent legibility.

Dot-addressable graphic capability provides 72 × 72 dot-per-inch resolution. Graphics and characters can be printed on the same line.

A parallel interface is available for the Model 5384. These printers accept either single-part or multi-part forms, paper widths from 3.2 to 15.5 inches and form lengths up to 22 inches in continuous, fan-fold, edge-punched stock.

SPECIFICATIONS

Technical

Printing technique: Logic seeking bidirectional

Print Speed:

Model:	5381	5383			5384	
Mode:	Draft	EDP/Draft/NLQ			Draft/NLQ	
CPS @	**CPI**					
10:	180	300	200	100	400	100
12:	216	240		120	480	120
13.1:	236	262		131	500	125
16.1:	300	334		167	500	+
LPM @ length:						
4 inch:	177	231	186	122	292	96
8 inch:	107	153	115	67	197	58
12 inch:	77	115	83	47	151	42
13.6 inch:	69	104	75	42	135	38

Interface: RS232C with XON/XOFF and ready/busy interface signal.

Baud rates: 110, 300, 600, 1200, 1800, 4800, and 9600.

Self test/diagnostics: Local and remotely initiated.

Information display: Two-character alphanumeric LED.

Character set: Standard 96 character ASCII, upper and lower case, plus 40 national characters yielding 17 built-in national sets including USA (ASCII/ISO standard); United Kingdom; German; French A and B; French Canadian; Netherlands; Italian; Spanish; Danish/Norwegian A, B, C and D; Swedish/Finnish A, B, C and D.

Fonts: Normal and Micro in draft mode; Gothic and Micro in near-letter quality mode

Standard character format: 5 of 9 dots wide, 9 dots high at 10, 12 and 13.1 cpi, 4 of 7 dots wide, 7 dots high at 15 and 16.7 cpi.

Near-letter quality character format: 9 dots wide, 18 dots high at 10, 12 and 13.1 cpi; 7 dots wide, 14 dots high at 15 and 16.7 cpi.

Character spacing: 10, 12, 13.1, 15, 16.7 characters per inch or remotely selectable by decipoint between 9.6 and 16.7.

Special printing features: bold/shadow print and automatic underscoring mode

Line spacing: 1, 4, 6, 8, 12 per inch or remotely selectable by 1/144 inch increments.

Form length: Continuously settable by decipoint (720 per inch) up to 22 inches.

Data buffer: 512 characters

Graphic mode density: Dot addressable, 72 dots-per-inch horizontal by 72 dots-per-inch vertical.

Paper type: Edge punched, fanfolded continuous forms; one to six parts; up to 15.5 inches wide.

Ribbon type: Nylon cartridge, up to 15 million characters with reinker.

Tabs: 22 horizontal and 12 vertical.

Paper feed: Six-pin push tractor with pinch friction-feed rollers.

Paper motion: Half-line up and down for sub- and superscripting.

Paper slew: 15 inches per second for 5384 and 5383; 10 inches per second for 5381.

Controls: Touch pad operator control panel with audible tone feedback.

Displays: Paper low sensor, status of printer parameters, diagnostic results and alarms.

Menu printout: Indicates and allows operator selection of font style, characters/inch, lines/inch, country, mode, forms parameters, interface parameters, margin settings, horizontal and vertical tab stops, printer control straps; indicates firmware revision level.

On-board memory: All parameters stored in memory with multiyear battery backup.

Duty cycle limitations: none

Preventive maintenance: none

Mean time between failures: Up to 5000 hours depending on model and application.

Mean time to repair: 30 minutes with no special tools or test equipment.

Print head: Operator replaceable.

Physical

Dimensions: (Inches) 24.6 wide × 15.6 deep × 5 high; (Millimeters) 626 wide × 396 deep × 127 high. Weight: 5384, 23 lbs; 5381, 21 lbs. Cabinets: 5384, hi boy; 5383 and 5381, lo boy. Pedestal and catch tray: Optional.

Electrical

Voltage: 100-120/200-240 VAC. Frequency: 48-65 Hz. Consumption: 125 watts printing. Regulatory approvals: UL, CSA, FCC class A.

To Order

Draft/NLQ: Model 5384. EDP/Draft/NLQ: Model 5383. Draft only: Model 5381.

Specifications subject to change without notice.

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