



Tech Info Library

ImageWriter II: Specifications

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I. Technical Specifications

A. Printing Specifications:

1. Method: Impact dot matrix, logic seek (line by line)
2. Maximum Speed (characters per second at characters per inch):
 - a. Draft mode: 250 cps @ 10 cpi
 - b. Correspondence mode: 180 cps @ 10 cpi
 - c. Near Letter Quality mode: 45 cps @ 10 cpi
3. Maximum Line Length: 8 inches
4. Paper Feed Direction: Forward and reverse
5. Maximum Line Feed Speed: 24 lps @ 6 lpi
6. Paper Feed Method:
 - a. friction
 - b. friction/pin-feed
7. Ribbon:
 - a. Black ribbon
 - continuous fabric
 - 13 by 13000mm
 - Capacity: 2 million characters
 - b. Color ribbon
 - Four colors: magenta, cyan, yellow, black
 - continuous
 - 21 by 18000mm

B. Character Specifications:

1. Dot Matrices for each Character Format:

	dots wide	dots high
a. Standard:	7	8
b. Draft:	12	8
c. Near Letter Quality:	16	16

- d. Custom: 16 max. 8 max.
 -- Custom fonts are user-programmable and loaded down to the ImageWriter II.

2. Standard Character Sets:

- a. ASCII (alphanumeric and symbols): 96
- b. European language characters: 28
- c. Mouse Text characters: 32

3. Vertical Dot Spacing: 1/72 of an inch

4. Horizontal Pitches and Graphic Densities:

	Characters per inch	Characters per line	Dots per inch (approx)
a. 17	136	136	136
b. 15	120	120	120
c. 13.4	107	107	107
d. 12	96	96	96
e. 10	80	80	80
f. 9	72	72	72
g. Proportional-1	variable	160	160
h. Proportional-2	variable	144	144

5. Line Spacing:

- 1/144 to 99/144 of an inch
- selectable in increments of 1/144 of an inch

C. Paper Specifications

1. Width:

- 3.5 to 9.5 inches pin to pin (pin feed),
- 10 inches maximum

2. Thickness:

- 0.002 - 0.011 inch or 0.05 - 0.28 millimeters
- Original + 3 copies maximum

3. Types:

- a. Single sheets
- b. Pin-feed paper
 - 4.0 to 9.5 inches between hole centers

D. Power Specifications:

1. Options:

- a. American 120 VAC +/- 10%, 60 Hz; amp requirements (maximum power utilization): 2 amps
- b. Universal:
 - 1. 100 VAC +/- 10%, 50/60 Hz
 - 2. 120 VAC +/- 10%, 50/60 Hz
 - 3. 140 VAC +/- 10%, 50/60 Hz
 - 4. 200 VAC +/- 10%, 50/60 Hz

- 5. 220 VAC +/- 10%, 50/60 Hz
- 6. 240 VAC +/- 10%, 50/60 Hz

2. Consumption:

- a. Operating: 180 watts maximum
- b. Standby: 20 watts maximum

E. Interface Specifications:

- 1. Data Input Form: RS-232 8-bit asynchronous serial
 - 1 start bit
 - 8 data bits
 - 1 stop bit (no parity)
- 2. Data Input Codes:
 - a. Characters: ASCII, 8- or 7-bit
 - b. Graphics: 8-bit binary
- 3. Transmission speeds: 300, 1200, 2400, or 9600 baud
- 4. Input Buffer Size: 2K bytes, 32K bytes with 32K Memory Option
- 5. Connections: Mini-circular connector, 8-pin socket or equivalent
- 6. Cable Connector: Mini-circular connector, 8-pin plug or equivalent

F. Physical Dimensions:

- 1. Weight: 25 pounds (11.36 kilograms)

inches millimeters

- 2. Width: 17.0 431.8
- 3. Height: 12.0 304.8
- 4. Depth: 5.0 127.0

G. Environmental Specifications:

- 1. Ambient Temperature:

	Degrees	
	Fahrenheit	Celsius
a. Operating:	50 to 104	10 to 40
b. Storage:	-40 to +116	-40 to 40

- 2. Humidity:

- a. Operating: 20% to 95% relative humidity, noncondensing
- b. Storage: 10% to 95% relative humidity, noncondensing

- 3. Acoustics, Operating:

-- 55 dBa maximum sound pressure at by-stander position
(as defined in American National Standard document
ANSI S1.29-1979)

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