



Tech Info Library

LaserWriter: Specifications (Discontinued 2/88)

Revised: 9/21/93
Security: Everyone

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I. Technical Specifications

1. Hardware:

- A. Marking engine: Canon LBP-CX laser-xerographic engine
- B. Controller:
 - a. Microprocessor: 12 MHz MC68000
 - b. Read only memory (ROM): .5 Megabytes
 - c. Random access memory (RAM): 1.5 Megabytes
- C. Interfacing interconnects:
 - a. AppleTalk
 - b. RS-232-C via PostScript
 - c. Special Diablo 630
- D. Noise levels:
 - a. Standby: 45 db(A)
 - b. Printing: 55db (A)

2. Software:

- A. Printing protocols supported:
 - a. PostScript
 - b. Diablo 630 (a daisy-wheel printer) Emulation with a subset of the Diablo command set
- B. Fonts:
 - a. Resident:
 - Medium and Bold: Times, Helvetica, and Courier
 - Italic and Bold Italic: Times
 - Oblique and Bold Oblique: Helvetica and Courier
 - Symbol: Greek and Scientific characters
 - b. Sources:
 - Allied Corporation: Times and Helvetica
 - PostScript: Symbol
 - c. Styles: Underline, Shadow, Hollow

d. Point sizes:

--Range: 3 to 720 points

--Limitations

1. Small: Resolution of printer

2. Large: Size of paper

C. Other Input:

All graphics and Macintosh and international character sets
are treated as downloaded bitmaps

3. Printing materials:

A. From Automatic cassette:

a. Optimum: Single sheet photocopy bond

b. Range: Letterhead and color stock

--16 to 21.33 pounds

--60 to 80 grams per square meter

c. Cassette sizes:

Size	Order
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Legal	M0182
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Letter	M0181
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A4	M0183
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B5	M0184
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d. Cassette capacity: 100 sheets

B. From manual single sheet feed:

a. Stock:

--Sheet Paper: Copier, Letterhead, and Color

--Transparency

--Envelopes

--Labels

b. Sizes:

--Letter

--Legal

--A4

--B5

c. Weight:

--11 to 34 pounds

--40 to 128 grams per square meter

C. Toner cartridge

a. Not compatible with cartridge of Canon Copier

b. Compatible with cartridge of Canon Laser Printer

c. Compatible with cartridge of HP LaserJet

4. Performance

A. Output tray capacity: 20 sheets

B. Maximum printable surface:

	Letter	Legal	A4	B5
Width (inches)	8.0	7.0	7.5	7.0
Length (inches)	10.9	12.5	10.5	10.0

- C. Print quality: text and graphics:
 - a. 300 dots per inch
 - b. 90,000 dots per square inch
 - c. over 8 million dots per page
- D. Speed
 - a. Initial: 2 to 4 pages per minute
 - b. Thereafter, the LaserWriter can produce copies of the initial page at a rate of 8 pages per minute.
 - c. Actual performance depends on the application and document.
- E. Recommended duty cycle: Less than 4000 pages per month.

5. Physical:

	inches
Width	18.5
Depth (body only)	16.2
Depth (with trays)	28.2
Height	11.5
Weight	77 pounds

6. Electrical

US Model M0156:

115 VAC (+/- 10 percent) 60 Hz

Amp requirements (maximum power utilization): 6.6 amps

European Model M0156Z:

220 VAC (+/- 10 percent) 50 Hz

240 VAC (+/- 10 percent) 50 Hz

7. Safety and Environmental Compliance

- UL 660F listed
- CSA LR49439 certified
- FCC Class B
- BRH certified Class I laser product
 - Laser unit power output: 5 milliwatts (mw)

A. Operating ranges

1. Temperature: 50 to 90.5 degrees Fahrenheit
2. Humidity: 20-80%
3. BTU output: 2599.2

II. Documentation

Inside LaserWriter (available from APDA)

III. Service

1. Every 2,000 to 3,000 pages: Replace toner cartridge
2. 100,000 pages (2.5 years given a rate of 3,000 pages per month):
 - Major service

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