



Tech Info Library

LaserWriter: Specifications (Discontinued 2/88)

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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
Legal	M0182
Letter	M0181
A4	M0183
B5	M0184

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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