



# Tech Info Library

## ImageWriter LQ: Specifications (Discontinued)

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Print method: Dot Matrix, logic seek (line by line)

Printing speed: Draft      250 cps at 10 cpi in Draft mode  
                  NLQ         90 cps at 10 cpi in NLQ mode  
                  LQ          115 cps in proportional mode

Printing throughput: 25 line per minute in 216 by 216 graphics mode,  
                          bidirectional, 25% duty cycle, 11-inch wide line,  
                          assuming no limitation because of communications  
                          or overheating of the print head

Character format: Draft fixed-width characters - 12 dots wide by 7 dots  
                          high, using every third print head wire and using every  
                          other dot on a horizontal line (1/2 dot method)

Draft proportional characters - Up to 16 dots wide by 7  
dots high, using every third print head wire

NLQ fixed-width characters - 16 dots wide by 24 dots high

NLQ proportional characters - Up to 16 dots wide by 24  
dots high

LQ proportional characters - Up to 32 dots wide by 24  
dots high

Standard characters: 96 ASCII (alphanumeric and symbols)  
                          28 European language characters

Vertical dot spacing: 1/216 inch

Printed line length: 13.6 maximum

Horizontal pitches:	Characters per inch	Characters per line
	17	231
	15	204
	13.4	182

12	163
10	136
9	122

Input buffer: 5K (Though expandable up to 64K, Apple has not yet implemented this capacity.)

Paper feed direction: Forward and reverse

Line spacing: 1/144 to 99/144 inch, selectable in increments of 1/144 inch

Line feed speed: Maximum 24 lps at 6 lpi

Paper width: 3.5 to 15 inch pin to pin

Paper thickness: 0.051 - 0.55 mm (0.002 to 0.028 inch)

Paper feed method: Selectable, friction, puch tractor, or pull tractor feed

Paper types: Single sheets

Continuous paper hole centers 3.5 - 15.0 inches

Ribbon: Cassette containing black inked fabric ribbon, continuous

Optional four-color ribbon: black, yellow, magenta, cyan

Ribbon life: 4 million characters (black)

1 million characters/band (color)

Power options: North American 120 V AC +/- 10%, 60 Hz

Universal 100 V AC +/- 10%, 50/60 Hz

120 V AC +/- 10%, 50/60 Hz

140 V AC +/- 10%, 50/60 Hz

200 V AC +/- 10%, 50/60 Hz

220 V AC +/- 10%, 50/60 Hz

240 V AC +/- 10%, 50/60 Hz

Power consumption: Operating - 180 W maximum

Standby - 20 W maximum

Data input form: 8-bit serial: 1 start bit, 8 data bits, and 1 stop bit  
(no parity bit), asynchronous

Data output form: 8-bit serial: 1 start bit, 8 data bits, and 1 stop bit,  
no parity, asynchronous

Transmission speed: 1200, 4800, 9600, or 19200 baud set by DPI switches

Printer connector: minicircular 8-pin socket

Cable connector: minicircular 8-pin plug

Weight: 17 kg (38 lb)

Dimensions: Width Depth Height  
590 380 130 mm  
23.2 15.0 5.12 in

Ambient temperature in degrees: Celsius Fahrenheit  
- Operating 10 to 40 50 to 104  
- Storage (1 year) -40 to 47 -40 to 116  
- Transit (72 hours) -40 to 65 -40 to 149

Humidity: Operating- 20% to 95% relative, noncondensing  
Storage (6 mo.) - 10% to 95% relative, noncondensing

Operating acoustics: 55 dBa maximum sound pressure at typical operator distance

Print head life: 400,000,000 wire fires (approx. 200,000,000 characters)  
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