



Tech Info Library

ImageWriter LQ: Specifications (Discontinued)

Revised: 9/21/93
Security: Everyone

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, push 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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