

Ficha técnica

Epson

Modelos / familias

LQ-2190, LQ-2190N

Fuente del fabricante

LQ-2190N User/Technical Guide

<https://download.epson-europe.com/pub/download/3259/epson325970eu.zip>

Las páginas siguientes son un extracto técnico del documento oficial del fabricante.

Printer Specifications

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LQ-2190



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Printer Specifications

- Mechanical
- Electrical
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- Paper
- Paper alignment
- Recommended printable area

Mechanical

Printing method:	24-pin impact dot matrix	
Printing speed:	High speed draft	480 cps at 10 cpi maximum
	Draft	360 cps at 10 cpi
	Letter quality	120 cps at 10 cpi
Printing direction:	Bidirectional logic seeking for text and graphics printing. Unidirectional text or graphics printing can be selected using software commands.	
Line spacing:	1/6-inch or programmable in 1/360-inch increments	
Printable columns:	136 columns (at 10 cpi)	
Resolution:	Maximum	360 × 180 dpi (letter quality)
		360 × 360 dpi (raster graphics)
Interfaces:	One standard bidirectional, 8-bit, parallel interface with IEEE 1284 nibble mode support, one USB2.0 (Full Speed) interface, and one optional interface slot	
Paper feed methods:	Friction (front or top paper entry)	
	Push tractor (front or rear paper entry)	
	Pull tractor (front, bottom, or rear paper entry)	
	Push and pull tractor (additional paper is required for front push and pull tractor combination)	
	Roll paper holder (optional)	
Paper feed speed:	Continuous	5 inches/second
	Intermittent	45 ms/line at 1/6-inch line spacing
Buffer:	128KB or 0KB	
Built-in fonts:	Bitmap fonts:	
	EPSON Draft 10, 12, 15 cpi	
	EPSON Roman 10, 12, 15 cpi, proportional	
	EPSON Sans Serif 10, 12, 15 cpi, proportional	
	EPSON Courier 10, 12, 15 cpi	
	EPSON Prestige 10, 12 cpi	
	EPSON Script 10 cpi	
	EPSON OCR-B 10 cpi	
	EPSON Orator 10 cpi	
	EPSON Orator-S 10 cpi	
	EPSON Script C proportional	
	Scalable fonts:	
	EPSON Roman 10.5, 8-32 pt (every 2 pt)	
	EPSON Sans Serif 10.5, 8-32 pt (every 2 pt)	
	EPSON Roman T 10.5, 8-32 pt (every 2 pt)	
	EPSON Sans Serif H 10.5, 8-32 pt (every 2 pt)	
	Barcode fonts:	
	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET	
Character tables:	One Italic and 12 graphical character tables. (34 graphical character tables are available in some countries.) See Character Tables for more information on the available character tables.	

Character sets:	14 international character sets and one legal character set	
Reliability:	Total print volume	40 million lines (except print head) MTBF 20000 POH (25% duty)
Dimensions and weight:	Print head life	400 million strokes/wire
	Height	When using single sheets: 256 mm (10.1 inches) When using continuous paper: 219 mm (8.6 inches)
	Width	670 mm (26.4 inches)
	Depth	When using single sheets: 402 mm (15.8 inches) When using continuous paper: 418 mm (16.5 inches)
	Weight	approx. 12.6 kg (5.67 lb)
Ribbon:	Black ribbon cartridge (S015086)	
	Ribbon life	15 million characters (LQ, 10 cpi, 48 dots/character)

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Electrical

	120 V Model	220 to 240 V Model
Input voltage range	103.5 to 132 V	198 to 264 V
Rated frequency range	50 to 60 Hz	
Input frequency range	49.5 to 60.5 Hz	
Rated current	1.0 A (maximum 4 A depending on the character type)	0.6 A (maximum 2 A depending on the character type)
Power consumption	Approx. 46W (ISO/IEC 10561 letter pattern) Approx. 3.0W in low-power mode Approx. 0W in power-off mode	

This product is also designed for IT power systems with Phase to Phase voltage 220 to 240 V.

Note:

Check the label on the back of the printer for the voltage of your printer.

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Environmental

	Temperature	Humidity (without condensation)
Operation	5 to 35°C (41 to 95°F)	10 to 80% RH
Storage	-30 to 60°C (-22 to 140°F)	0 to 85% RH

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Paper

Note:

Use recycled paper and labels only under normal temperature and humidity conditions, as follows:
 Temperature: 15 to 25 °C (59 to 77 °F)
 Humidity: 30 to 60 % RH
 Do not load paper that has been folded or is damaged, wrinkled, or curled.

Ordinary single sheets: front and top entry

Width	Front and Top: 100 to 420 mm (3.9 to 16.5 inches)
Length	Front: 148 to 420 mm (5.8 to 16.5 inches) Top: 100 to 420 mm (3.9 to 16.5 inches)
Thickness	0.065 to 0.14 mm (0.0025 to 0.0055 inch)
Weight	52 to 90 g/m2 (14 to 24 lb)

Single-sheet multipart forms: front and top entry

Width	Front and Top: 100 to 420 mm (3.9 to 16.5 inches)
Length	Front: 148 to 420 mm (5.8 to 16.5 inches) Top: 100 to 420 mm (3.9 to 16.5 inches)
Copies	1 original + up to 5 copies
Thickness	0.12 to 0.46 mm (0.0047 to 0.018 inch)
Weight	40 to 58 g/m2 (12 to 15 lb)
Binding	Line glue at the top of form (both front and top entry) Single side line glue (front entry only)

Envelopes: top entry only

Size	No. 6:165 × 92 mm (6.5 × 3.6 inches) No. 10:241 × 105 mm (9.5 × 4.1 inches)
Thickness	0.16 to 0.52 mm (0.0063 to 0.0197 inch)
Weight	45 to 90 g/m2 (12 to 24 lb)

Postcards: front and top entry

Width	100 to 200 mm (3.9 to 7.8 inches)
Length	Front: 148 to 200 mm (5.8 to 7.8 inches) Top: 148 to 200 mm (5.8 to 7.8 inches)
Thickness	0.22 mm (0.0087 inch)
Weight	192 g/m2 (51 lb)

Continuous paper(standard and multipart): front, rear, and bottom entry

Width	101.6 to 406.4 mm (4.0 to 16.0 inches)
Length	101.6 to 558.8 mm (4.0 to 22.0 inches)
Copies	1 original + up to 5 copies
Thickness	Recommended printable area 0.065 to 0.46 mm (0.0025 to 0.018 inch) Perforated edges up to 0.9 mm (0.035 inch)
Weight (not multipart)	52 to 82 g/m2 (14 to 22 lb)
Weight (one sheet of multipart)	40 to 58 g/m2 (12 to 15 lb)
Binding	Point glue or paper staples on both sides (front, bottom, or rear entry)



Note:

Because thick multipart forms require a straight paper path, load them in the front slot.

Continuous paperwith labels: front and bottom entry

Label size	23.8 × 63.5 mm (15/16 × 2.5 inches) minimum 2.5 mm (0.1 inch) corner radius, minimum
Backing sheet width	101.6 to 406.4 mm (4.0 to 16.0 inches)
Backing sheet length (one page)	101.6 to 558.8 mm (4.0 to 22.0 inches)
Backing sheet thickness	0.07 to 0.09 mm (0.0028 to 0.0035 inch)
Total thickness	0.16 to 0.19 mm (0.0063 to 0.0075 inch)

Label weight

64 g/m2 (17 lb)

Roll paper: rear entry with optional roll paper holder only

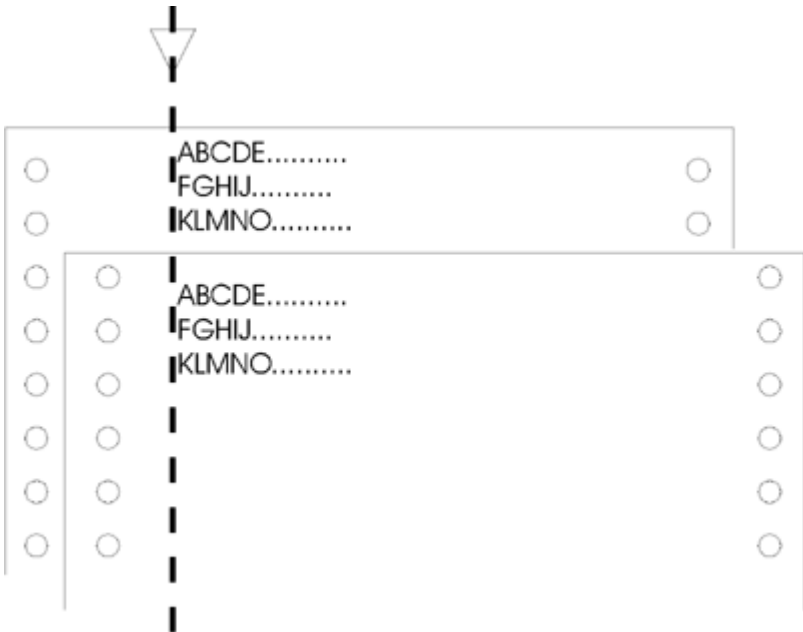
Width	216 ± 3 mm (8.5 ± 0.12 inch)
Thickness	0.07 to 0.09 mm (0.0028 to 0.0035 inch)
Weight	52 to 82 g/m2 (14 to 22 lb)

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Paper alignment

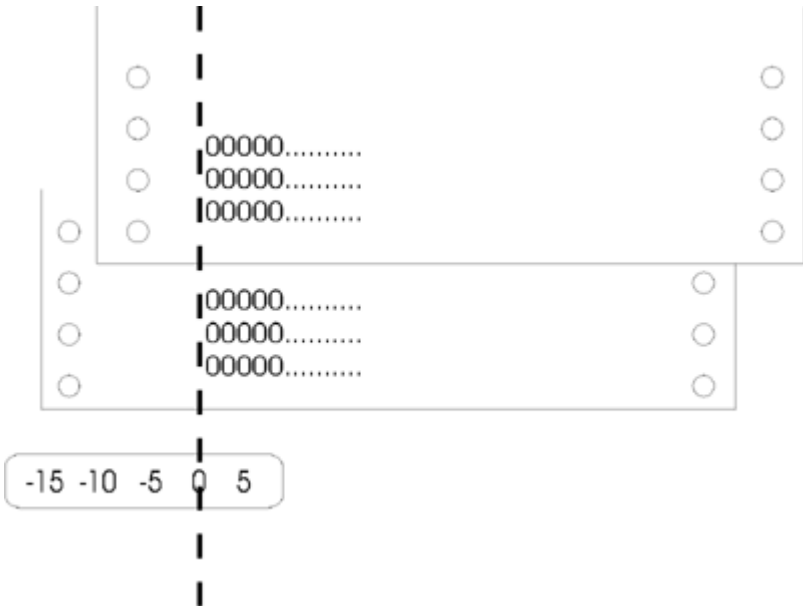
Front entry

Printing starts at the arrow mark. The unprintable area is to the left of the arrow mark.



Rear entry

Printing starts at "0" on the scale. The unprintable area is to the left of the "0".



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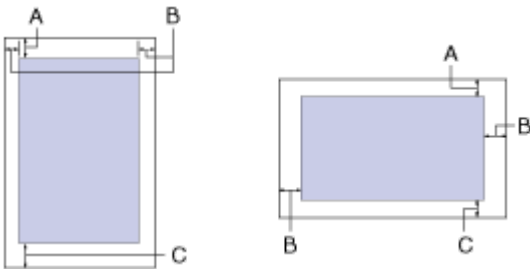
Recommended printable area



Note:

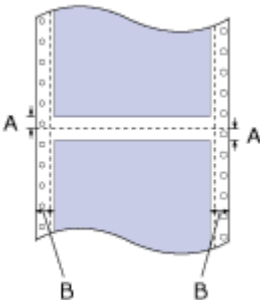
For best results, print within the recommended printable area. The printer may not print outside this area.

Single sheets, envelopes, and postcards:



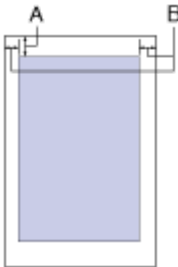
- A The minimum top margin is 4.2 mm (0.17 inch).
- B The minimum left margin is 3.0 mm (0.12 inch).
The minimum right margin is 3.0 mm (0.12 inch).
The maximum width is 420 mm (16.5 inches) and the maximum printable width is 345.4 mm (13.6 inches).
For single sheets wider than 351.4 mm (13.8 inches), the side margins increase proportionally to match the width of the paper.
- C The minimum bottom margin is 4.2 mm (0.17 inch).

Continuous paper:



- A The minimum top and bottom margins above and below the perforation are 4.2 mm (0.17 inch) each.
- B The minimum left and right margins are 13 mm (0.51 inch) each.
The maximum printable width is 345.4 mm (13.6 inches).
The maximum width is 420 mm (16.5 inches) and the maximum printable width is 345.4 mm (13.6 inches).
For continuous paper wider than 371.4 mm (14.6 inches), the side margins increase proportionally to match the width of the paper.

Roll paper:



- A The minimum top margin is 4.2 mm (0.17 inch).
- B The minimum left margin is 3.0 mm (0.12 inch).
The minimum right margin is 3.0 mm (0.12 inch).
The maximum printable width is 203.2 mm (8.0 inches).

Command Lists



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Command Lists

- [EPSON ESC/P2 control codes](#)
- [IBM PPDS emulation control codes](#)

Your printer supports the EPSON ESC/P2 control codes and IBM 2391 Plus emulation control codes listed below.

EPSON ESC/P2 control codes

Selecting an EPSON ESC/P2 printer in your software allows you to use advanced fonts and graphics.

- General operation:
ESC @, ESC U
- Paper feeding:
FF, LF, ESC 0, ESC 2, ESC 3, ESC +, CR
- Page format:
ESC (C, ESC C, ESC C 0, ESC Q, ESC 1, ESC (c, ESC N, ESC O
- Print position motion:
ESC \$, ESC ¥, ESC (V, ESC (v, ESC D, HT, ESC B, VT, ESC J
- Font selection:
ESC k, ESC x, ESC y, ESC X, ESC P, ESC M, ESC g, ESC p, ESC 4, ESC 5,
ESC E, ESC F, ESC !
- Font enhancement:
ESC W, DC4, SO, DC2, SI, ESC w, ESC G, ESC H, ESC T, ESC S, ESC -, ESC (~, ESC q
- Spacing:
ESC Space, ESC c, ESC (U
- Character handling:
ESC t, ESC (t, ESC R, ESC %, ESC &, ESC :, ESC 6, ESC 7, ESC (^
- Bit image:
ESC *
- Raster graphic:
ESC (G, ESC .
- Bar code:
ESC (B

Barcode commands

Your printer has powerful barcode printing capabilities and includes the following resident barcode fonts: EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, and POSTNET. See the barcode commands below:

ESC (B				Select Barcode Printing	
Format:	ESC	(	B	m	n
ASCII code:	27	40	66	m	n
Decimal:	1B	28	42	m	n

Function: