

Ficha técnica

Epson

Modelos / familias

LQ-630

Fuente del fabricante

LQ-630 User/Technical Guide

<https://download.epson-europe.com/pub/download/3780/epson378099eu.zip>

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

Printer Specifications



LQ-630

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Printer Specifications

-  Mechanical
-  Electronic
-  Electrical
-  Environmental
-  Paper
-  Recommended printable area

Mechanical

Printing method:	24-pin impact dot matrix	
Printing speed:	High speed draft	300 cps at 10 cpi 360 cps at 12 cpi
	Draft	225 cps at 10 cpi (337 cps at 15 cpi maximum)
	Letter quality	79 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:	80 columns (at 10 cpi)	
Resolution:	Maximum 360 × 180 dpi (letter-quality mode)	
Paper feed methods:	Friction (front)	
	Push tractor (rear)	
Reliability:	Total print volume	20 million lines (except print head) MTBF 10,000 POH (25% duty)
	Print head life	Approx. 400 million strokes/wire
Dimensions and weight (with paper guide):	Height	185 mm (7.3 inches)
	Width	386 mm (15.2 inches)
	Depth	306 mm (12.0 inches)
	Weight	Approx. 3.5 kg (7.7 lb)
Ribbon:	Black ribbon cartridge	S015290
	Ribbon life	Approx. 3.5 million characters (at 10 cpi in the letter-quality mode with 48 dots/character)
Acoustic noise:	Approx. 57 dB (A) (ISO 7779 pattern)	

Note:

The paper-thickness lever position or an overheated print head may affect the print speed.

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Electronic

Interfaces:	One standard bidirectional, 8-bit, parallel interface with IEEE 1284 nibble mode support, one USB 2.0 (Full Speed) interface slot
Buffer:	32KB

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 to 32 points, in 2-point increments
 EPSON Sans Serif 10.5, 8 to 32 points, in 2-point increments
 EPSON Roman T 10.5, 8 to 32 points, in 2-point increments
 EPSON Sans Serif H 10.5, 8 to 32 points, in 2-point increments

Barcode fonts:

EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET

Character tables:

Standard

One Italic and 12 graphical character tables:

Italic table, PC437 (US, Standard Europe), PC850 (Multilingual), PC860 (Portuguese), PC861(Icelandic), PC863 (Canadian-French), PC865 (Nordic), Abicomp, BRASCII, Roman 8, ISO Latin 1, PC 858, ISO 8859-15

Expanded

One italic and 35 graphics character tables:

Italic table, PC437 (US, Standard Europe), PC850 (Multilingual), PC437 Greek, PC853(Turkish), PC855(Cyrillic), PC852 (East Europe), PC857 (Turkish), PC 864(Arabic), PC866 (Russian), PC869 (Greek), MAZOWIA (Poland), Code MJK (CSFR), ISO 8859-7 (Latin/Greek), ISO Latin 1T (Turkish), Bulgaria (Bulgarian), PC 774 (LST 1283:1993), Estonia (Estonia), ISO 8859-2, PC 866 LAT. (Latvian), PC 866 UKR (Ukraine), PC860 (Portuguese), PC861 (Icelandic), PC865 (Nordic), PC APTEC (Arabic), PC 708 (Arabic), PC 720 (Arabic), PCAR 864 (Arabic), PC863 (Canadian-French), Abicomp, BRASCII, Roman 8, ISO Latin 1, PC 858, ISO 8859-15, PC 771 (Lithuania)

Character sets:

14 international character sets and one legal character set:

USA, France, Germany, UK, Denmark I, Sweden, Italy, Spain I, Japan, Norway, Denmark II, Spain II, Latin America, Korea, Legal

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Electrical

	220 to 240 V Model
Input voltage range	198 - 264 V
Rated frequency range	50 - 60 Hz
Input frequency range	49.5 - 60.5 Hz
Rated current	0.8 A (maximum 1.5 A depending on the character type)
Power consumption	Approx. 28 W (ISO/IEC 10561 letter pattern) Approx. 9 W in ready mode Approx. 0.4 W in sleep mode* 0 W in power off

* sleep mode: When the configured time passes in the following conditions, the printer enters sleep mode.

- No operation
- No error
- There is no data in input buffer



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 (plain paper)	5 to 35 °C (41 to 95 °F)	10 to 80% RH
Operation (recycled paper or label)	15 to 25 °C (59 to 77 °F)	30 to 60% RH
Storage	-30 to 60 °C (-22 to 140 °F)	0 to 85%

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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.

Single sheets

See also [Multipart forms](#) for detailed information on the specification for single-sheet multipart forms.

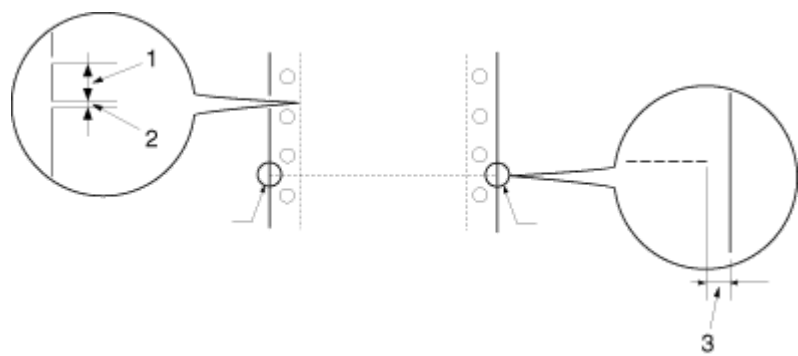
Width	90 to 257 mm (3.5 to 10.1 inches)
Length	70 to 364 mm (2.8 to 14.3 inches)
Thickness	single sheets: 0.065 to 0.14 mm (0.0025 to 0.0055 inch) multipart forms: 0.12 to 0.39 mm (0.0047 to 0.015 inch)
Weight	single sheets: 52 to 90 g/m ² (14 to 24 lb) multipart forms: 40 to 58 g/m ² (11 to 15 lb)
Quality	single sheets: Plain paper and recycled paper multipart forms: Carbonless or carbon-backed multipart forms with a line of glue at the top or the side of the form Multipart forms that are joined together along the left and right edges by crimping or spot-gluing*
Copies	1 original + 4 copies

* When using 4 inches or wider but less than 9.4 inches wide multipart forms joined by crimping (multipart forms with cut-paper tab binding), set the Multipart forms with cut-paper tab binding in the default-setting mode to on.

Continuous paper

See also [Multipart forms](#) for detailed information on the specifications for continuous multipart forms.

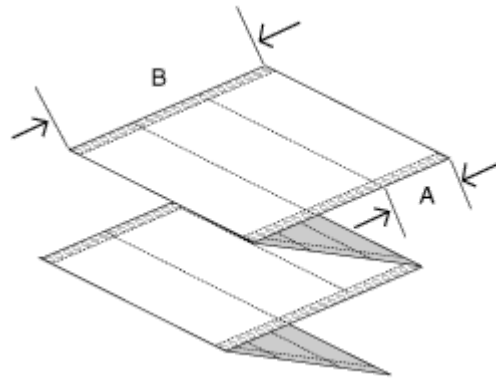
- The sprocket hole must be a circle or notched circle.
- The holes must be cleanly cut.
- At the perforation between pages, the horizontal and vertical perforation cuts must not cross.
- The ratio of the cut/uncut length at the perforation should be between 3:1 and 5:1. The perforation between pages must not extend all the way to the edges of the paper.



1. cut area

2. uncut area
3. uncut part of the edges of the paper

- If you use continuous paper whose page length (A in the next illustration) is under 101.6 mm (4.0 inches), make sure that the length between folds (B) is over 101.6 mm (4.0 inches.)



Width	101.6 to 254.0 mm (4.0 to 10.0 inches)
Length/page	101.6 to 558.8 mm (4.0 to 22.0 inches)
Copies	1 original + 4 copies
Total thickness	0.065 to 0.39 mm (0.0025 to 0.015 inch)
Weight	single sheets: 52 to 82 g/m ² (14 to 22 lb) multipart forms: 40 to 58 g/m ² (11 to 15 lb) (weight/part)
Quality	single sheets: Plain paper, recycled paper, carbonless, and carbon-backed multipart forms: Multipart forms that are joined together along the left and right edges by crimping or spot-gluing*

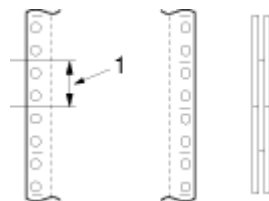
* When using 4 inches or wider but less than 9.4 inches wide multipart forms joined by crimping (multipart forms with cut-paper tab binding), set the Multipart forms with cut-paper tab binding in the default-setting mode to on.

Multipart forms

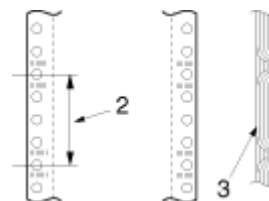
The specifications for the dimensions of multipart forms are the same as those for single sheets and continuous paper. See [Single sheets](#) and [Continuous paper](#) for detailed information.

- The form sheets of continuous multipart forms should be securely joined together along the left and right edges by crimping or spot-gluing. For the best printing quality, use multipart forms joined with spot-gluing.

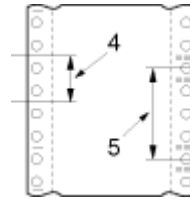
spot-gluing



crimping



spot-gluing and crimping on each side



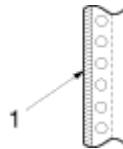
1. 1 inch or less
2. 3 inches or less
3. printing side
4. 1 inch or less
5. 3 inches or less

 Note:

When using 4 inches or wider but less than 9.4 inches wide multipart forms joined by crimping (multipart forms with cut-paper tab binding), set the Multipart forms with cut-paper tab binding in the default-setting mode to on.

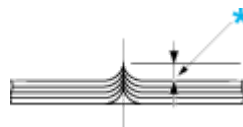
 Caution:

Never use continuous multipart forms that are joined with metal staples or bar-gluing.



1. bar-gluing
2. metal stapling

- The thickness of the folded part when extended should be 1 mm or less.



* 1 mm or less

- The binding area should be flat and have no creases.
- The sprocket holes should be a circle or a notched circle.
- The sprocket holes of all sheets in the form should be aligned properly.
- The binding position should be outside the recommended printable area. See [Recommended printable area](#) for more information.

Labels (single-sheet)

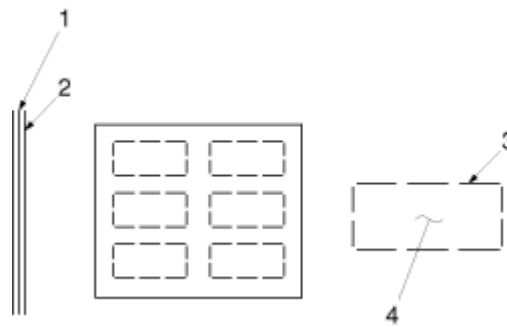
- Labels should be securely attached to the backing sheet and the label surface must be flat.
- The labels should not peel off their backing sheet under the conditions below.



wrapping drum radius	27 mm
wrapping angle	180 °
wrapping time	24 hours
ambient temperature	40 °C
ambient humidity	30%

1. label
2. 27 mm

- Always use labels whose backing sheet is entirely covered, and make sure the cuts around the edges of the labels are perforated.

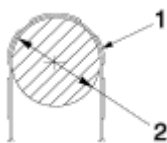


1. backing sheet
2. label sheet
3. several uncut areas on each side
4. label

Backing sheet	Width	100 to 210 mm (3.9 to 8.3 inches)
	Length	100 to 297 mm (3.9 to 11.7 inches)
Labels	Width	63.5 mm (2.5 inches), minimum
	Height	23.8 mm (0.94 inch), minimum
	Weight	64 g/m ² (17 lb)
Thickness	Backing sheet	0.07 to 0.09 mm (0.0028 to 0.0035 inch)
	Total	0.16 to 0.19 mm (0.0063 to 0.0075 inch)
Quality	Plain paper or the same quality labels with backing sheet	

Labels (continuous forms)

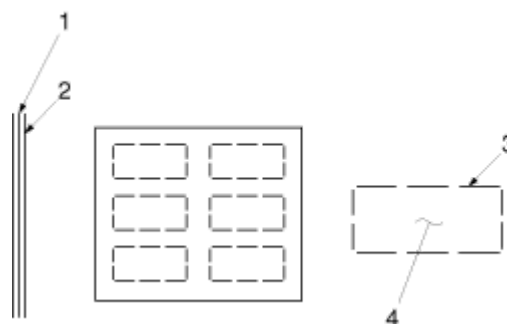
- Labels should be securely attached to the backing sheet and the label surface must be flat.
- The labels should not peel off their backing sheet under the conditions below.



wrapping drum radius	27 mm
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wrapping time	24 hours
ambient temperature	40 °C
ambient humidity	30%

1. label
2. 27 mm

- When using labels whose backing sheet is entirely covered, make sure the cuts around the edges of the labels are perforated.



1. backing sheet
2. label sheet
3. several uncut areas on each side
4. label

- When using labels whose backing sheet is not covered with the label material, see the illustration below.