

Ficha técnica

Epson

Modelos / familias

FX-2190II, FX-890II

Fuente del fabricante

User's Guide (v1.0)

<https://download.epson-europe.com/pub/download/6337/epson633761eu.pdf>

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

Printer Specifications

Mechanical

Printing method:	9 × 2-pin impact dot matrix	
Printing speed:	Ultra high speed draft	615 cps at 10 cpi 738 cps at 12 cpi
	High speed draft	612 cps at 10 cpi 694 cps at 12 cpi
	Draft	463 cps at 10 cpi 555 cps at 12 cpi
	Draft emphasized	231 cps at 10 cpi
	Near letter quality	115 cps at 10 cpi 138 cps at 12 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 1/432-inch increments	
Printable columns:	FX-890II/FX-890IIN: 80 columns (at 10 cpi)	
	FX-2190II/FX-2190IIN: 136 columns (at 10 cpi)	
Resolution:	Maximum 240 × 144 dpi (near letter quality)	
Paper feed methods:	Friction (front, rear) Push tractor (front, rear) Pull tractor (front, bottom, rear) Push and pull tractor (additional tractor is required) (front, rear) CSF Bin1/Bin2 (optional) Roll paper holder (optional)	

Paper feed speed:	Continuous	134 mm/second 5.3 inches/second
	Intermittent	47.7 msec/line at 1/6 inch line spacing
Paper capacity:	Single-bin cut-sheet feeder up to 50 sheets of 82 g/m ² (22 lb) paper	
	Note: The total thickness of the paper stack can be up to 5 mm (0.20 inch). High-capacity cut-sheet feeder up to 150 sheets of 82 g/m ² (22 lb) paper up to 25 plain or bond envelopes up to 30 airmail envelopes	
	Note: The total thickness of the paper stack can be up to 15 mm (0.59 inch).	
Reliability:	Total print volume	52 million lines (except print head)
		MTBF 25,000 POH (25% duty)
	Print head life	400 million strokes /wire ×2 Approx. 400 million characters (Draft, 10 cpi, 14 dots/character)

Dimensions and weight:	FX-890II/FX-890IIN:	
	Height	176.5 mm (6.9 inches) (not including paper release lever)
	Width	414 mm (16.3 inches) (not including the knob)
	Depth	320 mm (12.6 inches) (not including the sheet guide)
	Weight	approx. 7.2 kg (15.9 lb)
	FX-2190II/FX-2190IIN:	
	Height	176.5 mm (6.9 inches) (not including paper release lever)
	Width	589 mm (23.2 inches) (not including the knob)
	Depth	320 mm (12.6 inches) (not including the sheet guide)
	Weight	approx. 9.4 kg (20.7 lb)
	Ribbon:	
	Black ribbon cartridge	S015329 for FX-890II/FX-890IIN S015335 for FX-2190II/FX-2190IIN (For users in America) S015327 for FX-2190II/FX-2190IIN (For worldwide users)
	Ribbon life	approx. 7.5 million characters (Draft, 10 cpi, 14 dots/character) for FX-890II/FX-890IIN approx. 12 million characters (Draft, 10 cpi, 14 dots/character) for FX-2190II/FX-2190IIN
Acoustic noise:	Approx. 55 dB (A) (ISO 7779 pattern)	

Electronic

Interfaces:	FX-890II/FX-2190II: One standard bidirectional, 8-bit, parallel interface with IEEE 1284 nibble mode support and one Hi-Speed USB interface
	FX-890IIN/FX-2190IIN: One standard bidirectional, 8-bit, parallel interface with IEEE 1284 nibble mode support, one Hi-Speed USB interface, serial interface, and Network interface.
Buffer:	128KB
Fonts:	Bitmap fonts:
	Epson Draft 10, 12, 15 cpi Epson Roman 10, 12, 15 cpi, proportional Epson Sans Serif 10, 12, 15 cpi, proportional
	Bar code fonts: EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET

Character tables:

Standard model:

Italic table,

PC 437 (US, Standard Europe), PC 850 (Multilingual), PC 860 (Portuguese), PC 861 (Icelandic), PC 865 (Nordic), PC 863 (Canadian-French), BRASCII, Abicomp, ISO Latin 1, Roman 8, PC 858, ISO 8859-15

Expanded model:

Italic table,

PC 437 (US, Standard Europe), PC 850 (Multilingual), PC 860 (Portuguese), PC 861 (Icelandic), PC 865 (Nordic), PC 863 (Canadian-French), BRASCII, Abicomp, ISO Latin 1, Roman 8, PC 858, ISO 8859-15, PC 437 Greek, PC 852 (Eastern Europe), PC 853 (Turkish), PC 855 (Cyrillic), PC 857 (Turkish), PC 866 (Russian), PC 869 (Greek), MAZOWIA (Poland), Code MJK (CSFR), ISO 8859-7 (Latin/Greek), ISO Latin 1T (Turkish), Bulgaria (Bulgarian), PC 774 (LST 1283: 1993), Estonia (Estonian), PC 771 (Lithuanian), ISO 8859-2, PC 866 LAT. (Latvian), PC 866 UKR (Ukrainian), PC APTEC (Arabic), PC 708 (Arabic), PC 720 (Arabic), PC AR 864 (Arabic), PC437 Slovenia, PC MC, PC1250, PC1251, KZ1048 (Kazakhstan)

Character sets:

13 international character sets:

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

Electrical

	200 V Model	Universal (UPS) Model
Rated voltage range	220 to 240 V	100 to 240 V
Input voltage range	198 to 264 V	90 to 264 V
Rated frequency range	50 to 60 Hz	
Input frequency range	49.5 to 60.5 Hz	
Rated current	1.4 A (maximum 1.6 A depending on the character type)	2.0 A - 0.9 A (maximum 3.0 A - 1.1 A depending on the character type)

Power consumption (with USB connection)	220 to 240 V: Approx. 54 W (ISO/IEC 10561 Letter pattern) FX-890II/FX-2190II: Approx. 0.5 W in sleep mode* FX-890IIN/FX-2190IIN: Approx. 0.8 W in sleep mode*	100 to 120 V: Approx. 57 W (ISO/IEC 10561 Letter pattern) FX-890II/FX-2190II: Approx. 0.4 W in sleep mode* FX-890IIN/FX-2190IIN: Approx. 0.7 W in sleep mode*
		220 to 240 V: Approx. 55 W (ISO/IEC 10561 Letter pattern) FX-890II/FX-2190II: Approx. 0.5 W in sleep mode* FX-890IIN/FX-2190IIN: Approx. 0.8 W in sleep mode*

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

- not error.
- not pause.
- There is no data in input buffer.

This product is also designed for IT power systems with a phase-to-phase voltage of 220 to 240 V.

Note:

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

Environmental

	Temperature	Humidity (without condensation)
Operation (plain paper)	5 to 35 °C (41 to 95 °F)	10 to 80 % RH
Operation (recycled paper, envelope, label, or roll paper)	15 to 25 °C (59 to 77 °F)	30 to 60 % RH
Storage	-30 to 60 °C (-22 to 140 °F)	0 to 85 %