

Epson® FX-890II Series

Impact Printer Series



High-performance impact printers built for demanding print environments.

Engineered for reliability — long life cycle; durable design with very few moving parts; withstands dust, humidity and extreme temperatures

Low cost of ownership — up-to-7.5-million-character ribbon cartridge¹ offers a low cost per page and helps reduce the frequency of user interventions

Powerful productivity — ultra fast 9-pin printer speeds through multipart forms and reports at up to 738 cps²

Seamless integration with both new and legacy systems — includes Epson ESC/P®, IBM® PPDS and Microline® printer languages for greater flexibility

Advanced paper handling — simple paper path for remarkable reliability; accommodates cut-sheet paper and continuous forms up to 7 pages thick³

Easy setup and operation — user-friendly control panel with intuitive setup and configuration features

Low power consumption — ENERGY STAR® V2.0 compliant

Ethernet compatible — network card supports IPv6⁴

Print

Printing Method 9-pin, serial impact dot matrix

Print Direction Bidirectional logic seeking for text and graphics printing; unidirectional text or graphics printing can be selected using software commands

Print Speed

Ultra speed draft: 738 cps (12 cpi)², 615 cps (10 cpi)

High-speed draft: 612 cps (10 cpi)

Draft: 463 cps (10 cpi)

Letter quality: 115 cps (10 cpi)

Note: normal print speed is achieved when printer safety cover is fully closed

Character Sets

13 character tables

13 international countries character sets

Resident Bitmapped Fonts

Ultra speed draft: 10, 12 cpi

High-speed draft: 10, 12, 15, 17, 20 cpi

Draft: 10, 12, 15, 17, 20 cpi

NLQ (Roman/Sans Serif): 10, 12, 15, 17, 20 cpi, proportional

Barcode Fonts

EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET, Codabar (NW-7), Industrial 2 of 5, Matrix 2 of 5

Column Width

10 cpi: 80

12 cpi: 96

15 cpi: 120

17 cpi: 137

20 cpi: 160

Formatting

1/6" programmable in 1/432" increments

Line spacing: 6 lines per inch default (8 lpi option available on FX-890II Series OKI Data® Mode Only)

Paper Feed Mechanism

Feeding Method Friction feed (front, rear), push tractor (front, rear), pull tractor (front, bottom, rear), push and pull tractor (front, rear), roll paper holder (optional)

Paper Feed Speed 45 millisecond per 1/6", 5.3" per second continuous feed

Paper Path

Manual insertion: front or rear in, top out

Cut-sheet feeder: rear in, top out

Tractor: front rear or bottom in, top out

Pull/push tractor: front or rear in, top out

Paper Handling

Media Type Forms, continuous, multipart (original + 5 carbonless copies, 1 + 6 copies³ with pull tractor (optional), envelope no. 6, envelope no. 10, labels and roll paper

Maximum Thickness 0.018" (0.4572 mm)

Width

Single sheet: 3.9" to 10.1"

Continuous: 4.0" to 10.0"

Cut-sheet feeder: 7.2" to 8.5"

Length

Single sheet: 3.9" to 14.3"

Continuous: 4.0" to 22.0"

Cut-sheet feeder: 10.1" to 14.0"

General

Interfaces

FX-890II: bidirectional parallel (IEEE 1284 Nibble Mode supported), USB 2.0

FX-890II N (factory configuration only): bidirectional parallel (IEEE 1284 Nibble Mode supported), USB 2.0, serial interface board, network 10/100Base-TX interface board

Control Panel Functions Font, Pitch, Pause, Tear-Off/Bin selection, Line feed/Form feed, Load/Eject, Micro-Adjust, Reset, Self test, Data dump and Default setting selection

Reliability

MTBF: 25,000 POH (25% duty cycle)

MVBF: 52 million lines (except printhead)

Printhead life: 400 million characters at 14 dots/character⁵

Ribbon life: 7.5 million characters at 14 dots/character¹

Input Data Buffer

Size: 128KB

Dimensions (W x D x H) 17.2" x 14.8" x 6.9"

(437 mm x 375 mm x 176.5 mm)

Weight 15.9 lb (7.2 kg)

Safety Standards

UL62368-1, CAN/CSA C22.2 No. 60950-1, IEC/EN62368-1

EMI: FCC Part 15 Subpart B Class A, ICES-003 Class A, EN55032

(CISPR pu.32) Class A, As/NZS CISPR32 Class A

CE markings: EN62368-1, EN55032 Class A, EN61000-3-2,

EN61000-3-3, E55024

Sound Level

Noise: 54 dBA (ISO 7779 pattern)

Power Requirements

Rated voltage: AC 100 V – 240 V

Input voltage range: AC 90 V – 264 V

Rated frequency range: 50 Hz – 60 Hz

Input frequency range: 49.5 Hz – 60.5 Hz

Power Consumption

Operating Mode: Approx. 57 W (ISO/IEC 10561 Letter Pattern)

Ready Mode: Approx. 12 W

Sleep Mode: <0.09 W (Network Model)

ENERGY STAR compliant: certified with V2.0

Software

Drivers⁴ OS support: Microsoft® Windows Vista®, Windows® 7, XP, 8, 10; Windows Server® 2003, 2008, 2012, 2016

Printer Language

Epson ESC/P

IBM PPDS

OKI Data Microline (OKI Data Mode only)

What's Included

Epson FX-890II or FX-890II N Impact Printer, AC Adapter, Ribbons Cartridge, User's Manual/Start Here Guide, Setup Guide, CD Driver, Warranty Certificate

Warranty

3-year limited warranty in the U.S. and Canada

Support

The Epson ConnectionSM

Pre-Sales Support (U.S. and Canada): 800-463-7766

Website: www.epson.com

Eco Features

RoHS compliant

End-of-life options available⁷

Epson America, Inc. is a SmartWay® Transport Partner⁸

Ordering Information

FX-890II	C11CF37201
FX-890II N	C11CF37202

Accessories and Cartridges

Ribbons, Individual Cartridge	S015329
Multipack Ribbons, 100 pieces	S015329-100
Pull Tractor Unit	C12C933761
Optional Sheet Guide	C12C933781
Roll Paper Holder	C12C811141

¹ Based on Draft Mode printing. | ² Based on Ultra Speed Draft Mode at 12 cpi. | ³ One original, plus six copies, is available only under normal temperature and humidity conditions. | ⁴ Only available on the FX-890II N model. | ⁵ Ratings are estimates only, based on normal use of the printer. Epson's statements about reliability levels are not warranties of Epson products, and the only warranty for printers are the limited warranty statements for each printer. | ⁶ Additional software drivers available in your Windows operating system or at www.epson.com | ⁷ For convenient and reasonable recycling options, visit www.epson.com/recycle | ⁸ SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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