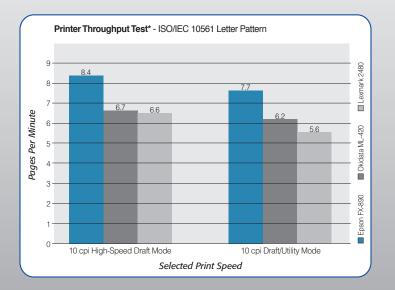# Easy integration and maximum productivity in demanding print environments
Impact Printer FX-890

A full-featured, high-value performer, the Epson FX-890 offers the durability and ease of use required for critical daily print requirements. This 9-pin, narrow-carriage workhorse boasts an MTBF rating of 20,000 power-on hours (POH) and speeds of up to 680 cps.

Engineered for seamless integration Engineered for seamless integration into virtually any system, it provides standard Parallel, USB, and additional connectivity options. And, it includes Epson Remote Configuration Manager™ software for easy printer setup and simple setting selections via most Windows® operating systems. Ideal for rugged environments, this robust printer is the perfect drop-in replacement for the Epson FX-880/880+/980 or Okidata® Microline® 320/320 Turbo.

An extremely reliable, high-speed performer, the Epson FX-890 races through forms up to 7 parts thick through four convenient paper paths. Its easy-to-install 7.5 million character ribbon cartridge boosts productivity and ensures a low cost per page, while its 400 million character print head life offers added dependability.

Complete with a newly designed control panel featuring a lock-out mode and other intuitive functions, this versatile product is the ideal solution for demanding print environments. And, as part of a comprehensive three-year warranty, it's backed by superior technical support from the world leader in impact printing.

Printer Throughput Test* - ISO/IEC 10561 Letter Pattern

Chart (Pages Per Minute vs Selected Print Speed):
- 10 cpi High-Speed Draft Mode: Epson FX-890 = 8.4, Lexmark 2480 = 6.7, Okidata ML-420 = 6.6
- 10 cpi Draft/Utility Mode: Epson FX-890 = 7.7, Lexmark 2480 = 6.2, Okidata ML-420 = 5.6

Legend: Lexmark 2480, Okidata ML-420, Epson FX-890

Key Features

Ultra fast 9-pin printing
- Speeds through multipart forms, reports,labels, and more at up to 680 cps

Extreme reliability in demanding print environments
- Offers an MTBF rating of 20,000 POH and a 400 million character print head life

User-friendly setup and operation
- Facilitates easy printer configuration using a newly designed control panel or its Windows-based Epson Remote Configuration Manager

Easy system integration
- Provides resident Epson, IBM® and Microline printer languages for increased compatibility
- Includes standard Parallel and USB connections, plus an additional slot for optional interface cards

Easy-to-install 7.5 million character ribbon cartridge
- Ensures a lower cost per page, and reduces the need for frequent user intervention

Advanced paper handling capabilities
- Provides four convenient paper paths to accommodate cut sheet paper and continuous forms up to 7 parts thick

Three-year warranty backed by Epson's superior service and support

Printer Specifications

Printer 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	680 cps (12 cpi)	
	566 cps (10 cpi)	
High Speed Draft	559 cps (10 cpi)	
Draft	419 cps (10 cpi)	
Letter-quality	104 cps (10 cpi)	

(Note: Normal print speed is achieved when printer safety cover is fully closed)

Character Sets
13 character tables
13 international 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

Bar Code 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" or programmable in 1/432" increments
Line Spacing: 6 lines per inch default (8 lpi option available on FX-890 Okidata 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)
	Cut sheet feeder (optional)
	Roll paper holder (optional)

Paper Feed Speed
62 millisecond per 1/6"
5" 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

Input Buffer
128K

Software Drivers
Windows 95, 98, 2000, Vista, 7, Me, XP and NT 4.0

Interface
Bidirectional Parallel (IEEE 1284 Nibble Mode supported)
USB 1.1
Type-B slot for optional interface cards

Printer Language
Epson ESC/P®
IBM PPDS
Okidata Microlines (FX-890, Okidata Mode only)

Paper Handling
Forms: continuous multipart, original plus 5 carbonless copies, 1 + 6 copies with pull tractor, maximum thickness .018"

Width	
Single sheets	3.9" to 10.1"
Continuous	4.0" to 10.0"
Cut sheet feeder	7.2" to 8.5"
Length	
Single sheets	3.9" to 14.3"
Continuous	4.0" to 22.0"
Cut sheet feeder	10.1" to 14.0"
No. 6 envelopes	6.5" x 3.6"
No. 10 envelopes	9.5" x 4.1"
Labels	2.5" x 0.94" (minimum)
Roll paper	8.5" width

Sound Level
55 dBA (ISO 7779 pattern)

Power Requirements

Rated voltage	120V AC
Input voltage range	103.5 to 132V
Rated frequency range	50 to 60 Hz
Input frequency range	49.5 to 60.5 Hz

Power Consumption
Approx. 53W (ISO/IEC 10561 Letter pattern)
Approx. 4.5W (in sleep mode)
Energy Star compliant

Physical Dimensions

Height	6.6"
Width	16.3"
Depth	13.8"
Weight	16.8 lb

Control Panel Functions
Font, pitch, pause, tear-off, bin selection, line feed, form feed, load, eject, micro-adjust, top-of-form adjustment, panel lockout, reset, menu, default setting selection

Reliability

MTBF	20,000 POH (25% duty cycle)
Print head life	400 million characters at 14 dots/character
Ribbon life	7.5 million characters at 14 dots/character

Warranty
Three-year limited warranty in the U.S. and Canada

Support—The Epson Connection℠

Pre-Sales Support (US and Canada)	(800) 463-7766
Internet Website	www.epson.com

* Advanced print head design provides unmatched burst speed, allowing the Epson FX-890 to maximize performance by consistently performing at or near top speeds. Standardized ISO 10561 throughput tests illustrate how Epson's superior technology results in faster printing and greater print volume over time. Test conducted by Seiko Epson Corporation.

** Additional tractor unit required

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Ordering Information

Epson FX-890

Product Code	Description
C11C524001	Epson FX-890 Impact Printer
S015329	Ribbon Cartridge
C12C800201	Additional Push/Pull Tractor Unit
C806371	Single Bin Cut Sheet Feeder
C806381	High Capacity Cut Sheet Feeder

Epson FX-890

Product Code	Description
C12C811141	Roll Paper Holder
C12C824431	Serial Interface Board
C12C824352	EpsonNet Multiprotocol 10/100 Base-TX Type-B Ethernet Print Server