The wide-format solution for
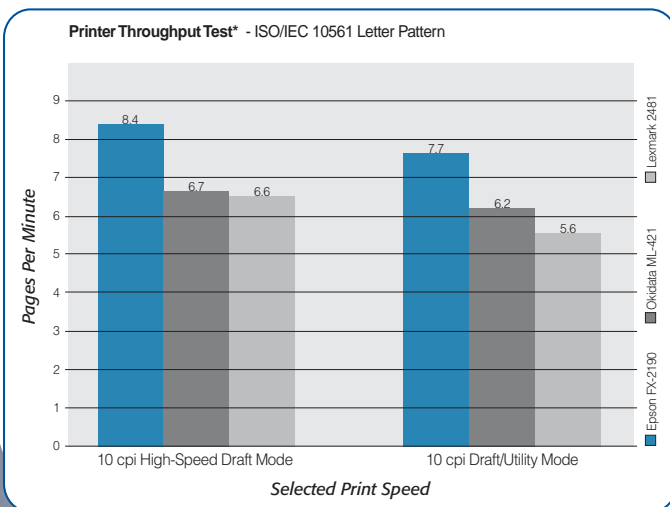# easy integration and maximum productivity

Epson FX-2190

With an expansive feature set and remarkable durability, the Epson FX-2190 impact printer offers the flexibility required for critical daily print requirements. Powerful, yet easy to use, this 9-pin, wide-carriage workhorse boasts an MTBF rating of 20,000 power-on hours (POH) and speeds of up to 680 cps.

An extremely reliable, high-value performer, the Epson FX-2190 provides Parallel, USB, and additional connectivity options for seamless integration. 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-1180/1180+/2180 or the Okidata® Microline® 321/321 Turbo.

The high-speed Epson FX-2190 races through forms up to 7 parts thick and 16.5" wide through four convenient paper paths. Its easy-to-install 12 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.

Key Features

High-speed 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 (25% duty cycle) 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 12 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 and 16.5" wide

Standard three-year warranty
- Includes access to Epson's superior technical support

Printer Throughput Test* - ISO/IEC 10561 Letter Pattern

Bar chart — Pages Per Minute vs. Selected Print Speed

10 cpi High-Speed Draft Mode: Epson FX-2190 = 8.4, Okidata ML-421 = 6.7, Lexmark 2481 = 6.6

10 cpi Draft/Utility Mode: Epson FX-2190 = 7.7, Okidata ML-421 = 6.2, Lexmark 2481 = 5.6

IMPACT PRINTER
EPSON® FX-2190

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

Column Width

10 cpi	136
12 cpi	163
15 cpi	204
17 cpi	233
20 cpi	272

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

Formatting
1/6" or programmable in 1/432" increments
Line Spacing: 6 lines per inch default
(8 lpi option available on FX-2190 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, Me, 2000, 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-2190, 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 16.5"
Continuous	4.0" to 16.0"
Cut sheet feeder	7.2" to 16.5"
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	100 to 240V AC
Input voltage range	90 to 264V
Rated frequency range	50 to 60 Hz
Input frequency range	49.5 to 60.5 Hz

Physical Dimensions

Height	6.1"
Width	23.2"
Depth	13.8"
Weight	21.2 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

Total print volume	52 million lines (except print head)
MTBF	20,000 POH (25% duty cycle)
Print head life	400 million characters at 14 dots/character
Ribbon life	12 million characters at 14 dots/character

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

* Advanced print head design provides unmatched burst speed, allowing the Epson FX-2190 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

Epson FX-2190 and Accessories

Product Code	Description
C11C526001	Epson FX-2190 Impact Printer
S015335	Ribbon Cartridge
C800211	Additional Push/Pull Tractor Unit
C806391	Single Bin Cut Sheet Feeder
C806401	High Capacity Cut Sheet Feeder
C823051	Serial Interface Board
C823071	32KB Serial Interface Board
C823121	LocalTalk Interface
C823141	Coax Interface Board
C823151	Twinax Interface Board
C823452	Bidirectional Parallel Interface Board
C12C823912	EpsonNet Multiprotocol 10/100 Base-TX Type-B Ethernet Print Server

EPSON®

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Printed on Recycled Paper