

# Powering business productivity with superior performance and reliability



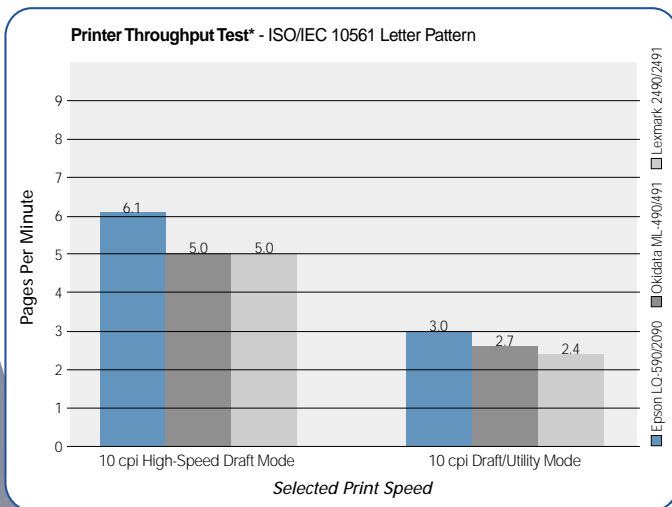
Epson LQ-590

With powerful 24-pin technology, the Epson LQ-590 and the wide-format Epson LQ-2090 deliver precision text and graphics, plus rugged reliability for critical print requirements. Offering print speeds of up to 529 cps and seamless integration into existing printing environments, these robust performers

are sure to increase productivity. With versatile 5-part forms printing, multiple paper loading options, and a durable, long-lasting ribbon, each product races through tickets, purchase orders, invoices and more.

Perfect for point-of-sale, manufacturing, and production environments, these two printers boast an amazing 20,000 POH MTBF rating and a 400 million character print head life. Each features an easy-to-use control panel that makes changing settings a snap, while convenient configuration software facilitates simple setup via a PC. These two workhorses provide Parallel and USB interfaces, plus a slot for optional interface cards, including high-speed Ethernet, for greater compatibility with practically any system. And, with both Epson and IBM® printer languages, they're perfect replacements for the Okidata® ML-390/490, the Epson LQ-570e/870 or the wide-format Epson LQ-2080.

Ideal for businesses that require high quality, multipart forms printing, the reliable Epson LQ-590 and LQ-2090 printers offer extremely low operational costs compared to other printing technologies, as well as superior performance in comparison to other impact printers in their class. Designed for use in demanding print environments, these heavy-duty dot matrix printers handle critical business applications with precision and ease. And they're backed by a three-year warranty that includes Epson's superior service and support.



## Key Features

- **Powerful 24-pin print head technology**
  - Delivers high quality text and graphics for critical applications
- **Ultra fast print speeds**
  - Speeds through multipart forms, reports, labels and more at up to 529 cps
- **Extreme reliability in demanding print environments**
  - Offers an MTBF rating of 20,000 POH and a 400 million character print head life
  - Facilitates greater productivity with less downtime
- **Long-life ribbon cartridge that's easy to install**
  - 5 million (LQ-590)/8 million (LQ-2090) character ribbon cartridge reduces the need for frequent ribbon changes
  - Ensures the lowest cost per page
- **Advanced paper handling capabilities for greater flexibility**
  - Provides four convenient paper paths to accommodate cut sheet paper and continuous forms up to 5 parts thick
- **Easy system integration**
  - Includes USB and Parallel connections, plus an additional slot for optional Type B interface cards
  - Epson and IBM printer languages ensure compatibility for new and legacy printing applications
- **Simplified setup and operation**
  - Improved menu navigation allows quick and easy changes to printer settings
  - Remote Configuration Manager facilitates easy setup via a PC
- **Convenient setting for whisper-quiet operation**
- **Three-year warranty backed by Epson's superior service and support**



EPSON LQ-2090

**Printing Method**

24-pin, impact dot matrix

**Print Direction**

Bidirectional with logic seeking in Text and Graphics Mode

**Print Speed**

High Speed Draft	529 cps (12 cpi)
	440 cps (10 cpi)
Draft	330 cps (10 cpi)
Letter Quality	110 cps (10 cpi)

**Character Sets**

96 ASCII characters; 14 international character sets and 1 legal character set; 128 user-defined characters; Extended IBM style graphic characters; 5 code pages

**Resident 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 OCRB	10 cpi
Epson Script C	Proportional
Epson Orator	10 cpi
Epson Orator-S	10 cpi

**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

**Scalable Fonts**

Epson Roman	10.5 pt; 8-32 pt every 2 pt
Epson Sans Serif	10.5 pt; 8-32 pt every 2 pt
Epson Roman T	10.5 pt; 8-32 pt every 2 pt
Epson Sans Serif H	10.5 pt; 8-32 pt every 2 pt

**Column Width**

	LQ-590	LQ-2090
10 cpi	80	136
12 cpi	96	163
15 cpi	120	204
17 cpi	137	233
20 cpi	160	272

**Formatting**

32 horizontal tabs; line spacing in 1/6" or programmable (minimum 1/360" increments); skip over perforations in lines; page length in lines or inches

**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**

45 millisecond per 1/6"  
5" per second continuous feed

**Paper Path**

Manual insertion	Front or top in, top out
Cut sheet feeder	Top in, top out
Tractor	Front, rear or bottom in, top out

**Input Buffer**

128KB

**Software Drivers**

Windows 95, 98, 2000, Me, XP and NT 4.0

**Interface**

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

**Printer Language**

Epson ESC/P2  
IBM PPDS

**Paper Handling**

Forms: continuous multipart, original plus 4 carbonless copies, maximum thickness .018"

	LQ-590	LQ-2090
Width		
Single sheets	3.9" to 10.1"	3.9" to 16.5"
Continuous	4.0" to 10.0"	4.0" to 10.0"
Cut-sheet feeder	7.2" to 8.5"	7.2" to 16.5"
Length		
Single sheets	3.9" to 14.3"	3.9" to 14.3"
Continuous	4.0" to 22.0"	4.0" to 22.0"
Cut-sheet feeder	10.1" to 14.0"	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**

52 dBA

**Power Requirements**

	LQ-590	LQ-2090
Rated voltage	120V	100 to 240V
Input voltage range	103.5 to 132V	90 to 264V
Rated frequency range	50 to 60 Hz	50 to 60 Hz
Input frequency range	49.5 to 60.5 Hz	49.5 to 60.5 Hz

**Physical Dimensions**

	LQ-590	LQ-2090
Height	6.3"	6.3"
Width	16.3"	23.2"
Depth	13.8"	13.8"
Weight	15.6 lb	21 lb

**Control Panel Functions**

Font, pitch, pause, tear off, bin selection, line feed, form feed, load, eject, micro adjust, top-of-form adjustment, paper parking, default feature setting, panel lockout

**Reliability**

MTBF	20,000 POH (25% duty cycle)
Print head life	400 million characters
Ribbon life	5 million characters at 48 dots/character (LQ-590)
	8 million characters at 48 dots/character (LQ-2090)

**Warranty**

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

**Support—The Epson Connection<sup>SM</sup>**

Automated Technical Support	(800) 922-8911
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 LQ-590/2090 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

**Product Code**

**Description**

**Epson LQ-590**

C11C558001	Epson LQ-590 Impact Printer
S015337	Ribbon Cartridge
C806381	High Capacity Cut Sheet Feeder
C806371	Single Bin Cut Sheet Feeder
C800201	Additional Pull Tractor Unit
C814002	Front Sheet Guide

**Epson LQ-2090**

C11C559001	Epson LQ-2090 Impact Printer
S015335	Ribbon Cartridge
C806401	High Capacity Cut Sheet Feeder
C806391	Single Bin Cut Sheet Feeder
C800211	Additional Pull Tractor Unit
C814012	Front Sheet Guide
C814031	Front Paper Guide

**Product Code**

**Description**

**Epson LQ-590 and LQ-2090 Accessories**

C811141	Roll Paper Holder
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
C823912	EpsonNet Multiprotocol 10/100 Base-TX Type-B Ethernet Print Server



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