

Powering business productivity with superior performance and reliability

Impact Printers LQ-590/LQ-2090

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.



Epson LQ-590



Epson LQ-2090

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

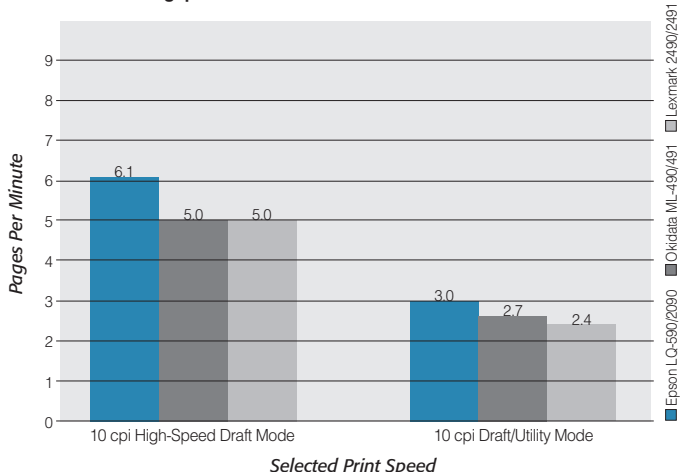
Simplified setup and operation

- 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

Printer Throughput Test* - ISO/IEC 10561 Letter Pattern



Printer Specifications

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)
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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, Vista, 7, 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

Power Consumption

Approx. 42W (ISO/IEC 10561 Letter Pattern)
Approx. 4.5W (in sleep mode)
0W in power off mode
Energy Star Compliant

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 ConnectionSM

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

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Ordering Information

Epson LQ-590

Product Code	Description
C11C558001	Epson LQ-590 Impact Printer
S015337	Ribbon Cartridge
C806381	High Capacity Cut Sheet Feeder
C806371	Single Bin Cut Sheet Feeder
C12C800201	Additional Pull Tractor Unit
C814002	Front Sheet Guide

Epson LQ-2090

Product Code	Description
C11C559001	Epson LQ-2090 Impact Printer
S015335	Ribbon Cartridge
C800211	Additional Pull Tractor Unit

Epson LQ-590 and LQ-2090 Accessories

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

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