

# Epson® LQ-590II Series

Impact Printer Series



**Powerful impact printers built for busy 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-5-million-character ribbon cartridge<sup>1</sup> offers a low cost per page and helps reduce the frequency of user interventions

**Powerful productivity** — ultra fast 24-pin printer speeds through multipart forms and reports at up to 584 cps<sup>2</sup>

**Seamless integration with both new and legacy systems** — includes Epson ESC/P2® and IBM® PPDS 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 thick<sup>3</sup>

**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 IPv6 (LQ-590II N model only)

### Print

**Printing Method** 24-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: 550 cps (10 cpi)  
 High-speed draft: 487 cps (10 cpi), 584 cps (12 cpi)<sup>2</sup>  
 Draft: 366 cps (10 cpi)  
 Letter quality (LQ): 121 cps (10 cpi)

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

**Character Sets**

13 character tables  
 14 international countries character sets

**Resident Bitmapped Fonts**

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

**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 1/360" increments

### 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**

30.3 millisecond per 1/6", 5.5" 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

### Paper Handling

**Media Type** Forms, continuous, multipart (original + 5 carbonless copies), 1 + 6 copies<sup>3</sup> with pull tractor (optional), envelope no. 6, envelope no. 10, labels and roll paper

**Maximum Thickness** 0.0193" (0.49 mm)

**Width**

Single sheet: 3.9" to 10.1"  
 Continuous: 4.0" to 10.0"  
 Cut-sheet feeder: 7.2" to 8.5"

**Length**

Note: normal print speed is achieved when printer safety cover is fully closed  
 Continuous: 4.0" to 22.0"  
 Cut-sheet feeder: 8.3" to 14.3"

### General

**Interfaces**

LQ-590II: bidirectional parallel (IEEE 1284 Nibble Mode supported), USB 2.0

LQ-590II N (factory configuration only): bidirectional parallel (IEEE 1284 Nibble Mode supported), USB 2.0, serial interface board, network 10/100Base-TX interface board

**Sound Level**

Noise: 55 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: Approx. 0.4 W and 0.7 W (Network Model)  
 ENERGY STAR qualified: certified with V2.0

**Physical Dimensions**

Width: 437 mm (17.2")  
 Depth: 375 mm (14.8")  
 Height: 176.5 mm (6.9")  
 Weight: 7.2 kg (15.9 lb)

**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: 50 million lines (except printhead)  
 Printhead life: 400 million characters<sup>1</sup>  
 Ribbon life: 5 million characters LQ 10 cpi, 48 dots/character<sup>1</sup>

**Input Data Buffer**

Size 128KB

**Safety Certificates**

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  
 CE markings: EN62368-1, EN55032 Class A, EN61000-3-2, EN61000-3-3, E55024

### Software

**Drivers<sup>4</sup>** OS support: Microsoft® Windows Vista®, Windows® 7, XP, 8, 10; Windows Server® 2003, 2008, 2012 and 2016

**Printer Language**

Epson: ESC/P2  
 IBM: PPDS

### What's Included

Epson LQ-590II or LQ-590II N Impact Printer, AC Cables, 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 Connection<sup>SM</sup>  
 Pre-Sales Support (U.S. and Canada): 800-463-7766  
 Website: [www.epson.com](http://www.epson.com)

### Eco Features

RoHS compliant  
 End-of-life options available<sup>5</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>6</sup>

### Ordering Information

|            |            |
|------------|------------|
| LQ-590II   | C11CF39201 |
| LQ-590II N | C11CF30202 |

**Accessories and Cartridges**

|                               |             |
|-------------------------------|-------------|
| Ribbons, Individual Cartridge | S015337     |
| Multipack Ribbons, 100 pieces | S015337-100 |
| Pull Tractor Unit             | C12C933761  |
| Single-Sheet Paper Guide Unit | C12C933781  |
| Roll Paper Holder             | C12C811141  |

<sup>1</sup> Based on letter quality printing, 10 cpi, 48 dots/character. | <sup>2</sup> Based on High Speed Mode at 12 cpi. | <sup>3</sup> One original, plus six copies, is available only under normal temperature and humidity conditions.  
<sup>4</sup> Additional software drivers available in your Windows operating system or at [www.epson.com](http://www.epson.com) | <sup>5</sup> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>6</sup> SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

See the latest innovations from Epson Business Solutions at [www.epson.com/forbusiness](http://www.epson.com/forbusiness)



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