

Epson® LQ-590II Impact Printer Series



Impact Printer

Business

Powerful impact printers built for busy print environments.

Extreme 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 cartridge¹ offers a low cost per page and reduces the frequency of user interventions

Powerful productivity — ultra fast 24-pin printer speeds through multipart forms and reports at up to 584 cps²

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

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)

General

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)
High Speed Draft: 584 cps (12 cpi)
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 High 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

Input Data Buffer

Size 128KB

Software Drivers

OS Support: Windows Vista®, 7, XP, 8, 10, Windows Server® 2003, 2008, 2012 and 2016

Interface

Standard: Bidirectional Parallel (IEEE 1284 Nibble mode supported), USB 2.0

Optional (Factory Config. Only):

Serial Interface Board (LQ-590II N only)

Network 10/100Base-TX Interface Board (LQ-590II N only)

General (continued)

Printer Language

Epson: ESC/P2
IBM: PPDS

Sound Level

Noise: 55 dBA (ISO 7779 pattern)

Power Requirements

Rated Voltage: AC 100 V – 240 V
Input Voltage Range: AC 90 to 264 V
Rated Frequency Range: 50 to 60 Hz
Input Frequency Range: 49.5 to 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

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

Ribbon Life

5 million characters LQ 10 cpi, 48 dots/character

Safety Certificates

Safety Standards: UL62368-1, CAN/CSA C22.2 No.60950-1, IEC/EN62368-1
EMI: FCC part15 subpart B class A, ICES-003 Class A
CE Markings: EN62368-1, EN55032 class A, EN61000-3-2, EN61000-3-3, E55024

Warranty

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

Support Center: The Epson Connection

Pre-Sales Support (U.S. and Canada): 800-463-7766
www.epson.com

Paper Handling

Media Type

Forms, continuous, multi-part (original + 5 carbonless copies), 1 + 6 copies with pull tractor (optional), Envelope No.6, Envelope No.10, labels, and roll paper

Maximum Thickness .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

Single Sheet: 3.9" to 14.3"
Continuous: 4.0" to 22.0"
Cut-sheet Feeder: 8.3" to 14.3"

Paper Feed 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

Eco Features

RoHS compliant

Recyclable product¹

Epson America, Inc. is a SmartWay® Transport Partner⁴

Ordering Information

LQ-590II UPS	C11CF39201
LQ-590II NT	C11CF39202
Ribbon Cartridge	S015337
Additional Push/Pull Tractor Unit	C12C933761
Single-sheet Paper Guide Unit	C12C933781
Single Bin Cut-sheet Feeder	C12C806371
High-capacity Cut-sheet Feeder	C12C806381
Roll Paper Holder	C12C811141

¹ Based on letter quality printing, 10 cpi, 48 dots/character. | ² Based on High Speed Mode at 12 cpi. | ³ For convenient and reasonable recycling options, visit www.epson.com/recycle | ⁴ 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



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