

# SPECIFICATIONS

## PRINTER TYPE

PRINTING METHOD	Impact dot matrix	
NUMBER OF PINS IN HEAD	24 pins	
Color	Black	
PRINT DIRECTION	Bi-direction with logic seeking	

## PRINT SPEED

HIGH SPEED DRAFT	10CPI	440 cps
HIGH SPEED DRAFT	12CPI	529 cps
DRAFT	10CPI	330 cps
DRAFT	12CPI	396 cps
DRAFT	15CPI	495 cps
DRAFT	17CPI (Condensed)	559 cps
DRAFT	20CPI (Condensed)	658 cps
LQ	10CPI	110 cps
LQ	12CPI	132 cps
LQ	15CPI	165 cps
LQ	17CPI (Condensed)	187 cps
LQ	20CPI (Condensed)	220 cps

## PRINT CHARACTERISTICS

CHARACTER SETS	14 International character sets	
	13 character code tables (Italic, PC437, PC850, PC860, PC861, PC863, PC865, Abicomp, BRASCII, Roman 8, ISO Latin 1, PC858, ISO 8859-15)	
BIT MAP FONT	EPSON Draft	10 CPI, 12 CPI, 15 CPI
	EPSON Roman	10 CPI, 12 CPI, 15CPI, Proportional
	EPSON Sans Serif	10 CPI, 12 CPI, 15CPI, Proportional
	EPSON Courier	10 CPI, 12 CPI, 15 CPI
	EPSON Prestige	10 CPI, 12 CPI
	EPSON Script	10 CPI
	EPSON OCR-B	10 CPI
	EPSON Orator	10 CPI
	EPSON Orator-S	10 CPI
	EPSON Script C	Proportional
SCALABLE FONT	EPSON Roman	10.5 pt., 8 pt. - 32 pt. (every 2 pt.)
	EPSON Sans Serif	10.5 pt., 8 pt. - 32 pt. (every 2 pt.)
	EPSON Roman T	10.5 pt., 8 pt. - 32 pt. (every 2 pt.)
	EPSON Sans Serif H	10.5 pt., 8 pt. - 32 pt. (every 2 pt.)
	EPSON Sans Serif	10.5 pt., 8 pt. - 32 pt. (every 2 pt.)
BAR CODE	EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET	

## PRINTABLE COLUMNS

(CHARACTERS PER LINE)		
10CPI	Width	80
12CPI	Width	96
15CPI	Width	120
17CPI CONDENSED	Width	137
20CPI CONDENSED	Width	160

## PAPER HANDLING

PAPER PATH	Manual Insertion:	(Front/Rear insertion)
	Push Tractor:	(Front/Rear insertion)
	Pull Tractor:	(Front/Rear/Bottom insertion)
	Cut Sheet Feeder:	(Front/Rear insertion)
CUT SHEET SIZE (not multi-part)	LQ-590	Width 100 - 257 mm (3.9 - 10.1 inch)
		Length 100 - 364 mm (3.9 - 14.3 inch)
ENVELOPES	No.6, No.10	
CONTINUOUS PAPER SIZE	LQ-590	Width 101.6 - 254 mm (4 - 10 inch)
		Length 101.6 - 558.8 mm (4 - 22 inch)
PAPER THICKNESS	Cut Sheet	
	Single Sheet	0.065 - 0.14 mm (0.0025 - 0.0055 inch)
	Multi part	0.12 - 0.39 mm (0.0047 - 0.015 inch)
	Envelopes	0.16 - 0.52 mm (0.0063 - 0.0205 inch)
	Continuous paper (Single sheet / multi part)	
		0.065 - 0.39 mm (0.0025 - 0.015 inch)
	Label Base Sheet	
	0.07 - 0.09 mm (0.0028 - 0.0035 inch)	
Total Sheet		0.16 - 0.19 mm (0.0063 - 0.0075 inch)

## PAPER FEEDING

Standard	Friction (Front/Rear insertion)
	Push Tractor (Front/Rear insertion)
	Pull Tractor (Front/Rear/Bottom insertion)
Optional Feeder	Cut Sheet Feeder (Rear insertion)
	Push-Pull Tractor (Front/Rear insertion)
COPY	1 original + 4 copies always
ACOUSTIC NOISE	52 dB(A) (ISO7779 pattern)
LINE SPACING	4.23mm (1/6 inch) or programmable in increments of 0.0706mm (1/360 inch)

## INPUT DATA BUFFER

128 KByte

## INTERFACE

STANDARD	Bi-directional parallel interface (IEEE-1284 nibble mode supported), USB (ver 1.1) I/F
OPTION	Type B I/F Level 2

## RIBBON CARTRIDGE

COLOR	Black
TYPE	Fabric
RIBBON LIFE	Approx. 5 million characters

## RELIABILITY

Mean Print Volume Between Failure (MVBFF)	: 40 million lines (except print head)
MTBF	: 20000 POH
PRINT HEAD LIFE	: 40 million strokes/ wire

## CONTROL PANEL

6 switches and 10 LEDs

## ENVIRONMENTAL CONDITIONS (OPERATING)

TEMPERATURE	5 - 35°C
HUMIDITY	10 - 80%

## ELECTRICAL SPECIFICATIONS

RATED VOLTAGE	AC 220-240V
RATED FREQUENCY	50 - 60Hz
POWER CONSUMPTION	Approx. 42W (ISO/IEC10561 Letter pattern) (AC220-240V) Energy Star compliant

## DIMENSIONS

WIDTH	414mm
DEPTH	350mm
HEIGHT	167.5mm
WEIGHT	Approx. 7.1 kg

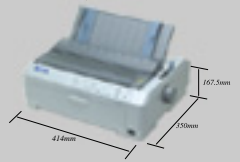
## PRINTER DRIVER/ UTILITY

OS	Microsoft® Windows® 95/98/2000/Me/XP and Microsoft® Windows® NT® operating system
UTILITY	EPSON Status Monitor 3 (Microsoft® Windows® 95/98/2000/Me/XP and Microsoft® Windows® NT® operating system Version 4.0 environment only)

## OPTIONS

RIBBON CARTRIDGE(Black)	C13S015341
HIGH CAPACITY CUT SHEET FEEDER	C120206382
SINGLE BIN CUT SHEET FEEDER	C120206372
PULL TRACTOR UNIT	C120206202
ROLL PAPER HOLDER	C120811141
FRONT SHEET GUIDE	C120814001
FRONT PAPER GUIDE	C120814022
Serial I/F card	C120823061
32KB Intelligent serial I/F card	C120823081
32KB IEEE-488 I/F card	C120823132
Twinax I/F card	C120823152
EPSONNet 10/100 Base TX Int. Print Server2	C120823914

## 24-PIN DOT MATRIX PRINTER LQ-590



As an international ENERGY STAR Partner, EPSON has determined that this product meets the international ENERGY STAR Program for energy efficiency.



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Dealer's stamp:

# EPSON

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