DOT MATRIX PRINTER

EPSON

EPSON LQ-590

Just what your business need...

Improved Efficiency, Proven Reliability

A NEW EPSON Compact 24-pin Dot Matrix Printer

LQ-590

Economical and Quiet

Featuring Epson 24-pin Eco-Drive print head mechanism, this printer achieves a high level of productivity without running up your electric bill. Its auto power-saving function puts the printer in standby mode giving you additional savings. It is also equipped with the latest sound dampening innovation for whisper-quiet operation.

EPSON

• 440cps High Speed Draft Mode • 5-layer Multi-Part Printing
• 5-way Flexible Loading • Easy Network Operation
• Ribbon life at 5 million characters • 128KB input data buffer

A Proven Leader

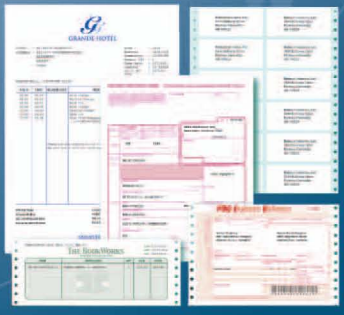
The new Epson LQ-590 is now even faster, more reliable and more efficient! It features a proven durable print head from its previous best-selling predecessor the LQ-580, which boosts speed and productivity by 30%, making it ideal for high traffic, customer service application. Its new compact body makes it the best choice for desktop and countertop.

Genuine Epson Ribbon Cartridges

Lengthen the life of your printer. A good partner never gives you problems… say no to defects or damages for good! Choose only genuine Quality Epson Ribbon.

Sharp and Clear

Our 5-Layer Multi-Part printing, prints sharp, clear letter quality text right through to the last copy! That's an original plus four copies!



Easy Network Operation and Monitoring

This printer is networkable and can be equipped with an optional Type B Level 2 interface card, taking performance and convenience to an entirely new level. The Epson Status Monitor 3 on-screen display also allows you to monitor printer status and control paper options.

*Defects or damages caused by using non-genuine or compatible products are not covered under warranty from Epson.

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.)
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	80
12CPI	96
15CPI	120
17CPI CONDENSED	137
20CPI CONDENSED	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 (MVBF) : 40 million lines (except print head)

MTBF	: 20000 POH
PRINT HEAD LIFE	: 400 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)

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 Version 4.0
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	C12C806382
SINGLE BIN CUT SHEET FEEDER	C12C806372
PULL TRACTOR UNIT	C12C800202
ROLL PAPER HOLDER	C12C811141
FRONT SHEET GUIDE	C12C814001
FRONT PAPER GUIDE	C12C814022
Serial I/F card	C12C823061
32KB Intelligent serial I/F card	C12C823081
32KB IEEE- 488 I/F card	C12C823132
Twinax I/F card	C12C823152
EpsonNet 10/100 Base TX Int. Print Server2	C12C823914

24-PIN DOT MATRIX PRINTER

LQ-590

ESC/P2 EPSON™ *"EPSON ESC/P2 stands for EPSON standard code for printers Level 2. This second-generation printer control language supports scalable fonts as well as enhanced graphics capability. It also provides complete backwards compatibility with EPSON's ESC/P, the standard printer language for dot matrix printing."*

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