

# ML5790eco/ML5791eco Specifications

**OKI**  
PRINTING SOLUTIONS



## High duty, high quality 24-pin dot matrix printers with truly versatile paper handling

### Improve the presentation of multi-part documents with scalable fonts and high print quality

The ultra reliable ML5790eco and wide carriage ML5791eco dot matrix printers deliver fast, high quality printing of multi-part forms, truly versatile paper handling and low running costs. Their high 576 characters per second (cps) print speeds, fast throughput and ability to manage heavy medias make them perfect for high duty applications where presentation and print quality are essential. And with multiple emulations, replacing slow or failed printers is simple and straightforward.

Ideal for printing customer facing documents such as receipts, invoices, dispatch notes and spreadsheets, on single or multipart paper, the ML5790/1eco will keep productivity levels high and document presentation professional.

- Impressive 576cps print speeds
- 24-pin print head delivers sharp, detailed text
- Epson LQ, IBM PPR and IBM AGM compatibility
- Resident scalable fonts improve presentation and speed
- Simple 'Clean hands' ribbon changing

### Versatile and easy to use

The ML5790/1eco printers can feed both cut sheet paper and continuous forms with ease.

Front, top, bottom and rear paper input paths and an on-board tractor feed unit that can be front or rear mounted provide truly versatile paper handling. A long life 24-pin print head delivers superb quality documents on single or multi-part paper printing up to 6 copies simultaneously.

- Four paper paths handle cut-sheet paper and continuous forms
- Print single or multi-part papers up to 6 copies

Optional push and pull tractor feed units are available to allow the loading of two different media types simultaneously or the feeding of heavier papers and labels. A Roll Paper Stand option is available for the ML5790eco for economical printing of passenger lists, call logs, data logs etc.

### Save money and help the environment

Equipped with long life ribbons and a power saving 1.5W "Sleep mode" the ML5790/1eco printers will keep running costs and energy consumption to the minimum, as well as reducing your carbon footprint.

- Long life ribbons keep running costs low (8 million characters ML5790eco, 13 million characters ML5791eco)
- Eco-friendly technology, "Sleep mode" consumes just 1.5W
- Manufactured at a CarbonZero rated facility

### OKI's commitment to our customers

The OKI brand is one of proven reliability and value. With almost half a century of experience in the impact printer industry, you are guaranteed proven reliability, best-in-class performance and great value for money products. And, for total peace of mind, just register your printer and take advantage of our extended three year on-site warranty at no extra cost.

- Operates in the most challenging environments
- Long life 400 million character print head
- Mean Time Between Failure (MTBF) figure of 25,000 hours
- Three year on-site warranty as standard for total peace of mind

**Variants available:**  
**ML5790eco**  
Narrow carriage  
**ML5791eco**  
Wide carriage



## ML5790eco/ML5791eco - Dot Matrix Printers

PRINTER	
Number of pins	24
Columns	<b>ML5790eco:</b> 80 (10cpi); 160 (maximum in compression mode) <b>ML5791eco:</b> 136 (10cpi); 272 (maximum in compression mode)
Character pitch	5/6/7.5/8.5/10/12/15/17.1/20 pitch and proportional
Graphics resolution	Up to 360 x 360 dpi
Print speed	<b>High Speed Draft:</b> 576cps (12cpi); <b>High Speed Draft:</b> 480cps (10cpi); <b>Draft:</b> 540cps (15cpi); <b>Draft:</b> 432cps (12cpi); <b>Draft:</b> 360cps (10/20cpi); <b>Draft:</b> 309cps (17.1cpi); <b>Letter Quality:</b> 240cps (20cpi); <b>Letter Quality:</b> 206cps (17.1cpi); <b>Letter Quality:</b> 180cps (15cpi); <b>Letter Quality:</b> 144cps (12cpi); <b>Letter Quality:</b> 120cps (10cpi)

INTERFACE AND SOFTWARE	
Interfaces	IEEE 1284 parallel interface, USB 2.0 (full speed)
Optional interfaces	Ethernet 10/100, Serial RS232C
Emulations	Epson LQ ESC/P2, IBM PPR, IBM AGM
Typeface & font	HSD, Draft, Courier (scalable), Roman (scalable), Swiss (scalable), Swiss Bold, Orator, Gothic, Prestige, OCR-A, OCR-B
Typestyle	Emphasised, Enhanced, Double Width, Double Height, Italics, Outline, Shadow, Superscript, Subscript, Underline
Barcode fonts	UPC-A, UPC-E, EAN8, EAN13, Code39, Interleaved 2of5, Code128 (A/B/C), CODABAR (NW-7), POSTNET, Industrial 2of5, Matrix 2of5
Printer driver <sup>1</sup>	Windows 2000 / XP (32-bit & 64-bit) / Vista (32-bit & 64-bit) / 7 (32-bit & 64-bit) / Server 2003 (32-bit & 64-bit) / Server 2008 (32-bit & 64-bit) / Server 2008 R2 (64-bit)
Utilities	Status monitor, Button setup utility, Menu setup utility, TOF setup utility, Network setup utility, LPR utility

PAPER HANDLING	
Paper	Cut Sheet (single sheet), Continuous Paper (single-part, multi-part), Roll paper (ML5790eco only), Envelope, Card, Label (cut sheet and fan fold)
Continuous paper (width)	<b>ML5790eco:</b> 76.2 - 254.0mm; <b>ML5791eco:</b> 76.2 - 406.4mm
Continuous paper (length)	76.2 - 558.8mm
First printable line (from top of page)	Continuous: 2.12mm; Cut sheet: 0.5mm
No. of multi-part forms	Up to 6 (one original + 5 copies)
Multi-part paper thickness	Front/rear push feed: 0.36mm; Front/rear pull feed & front/rear push-pull feed: 0.44mm; Bottom pull feed: 0.48mm
Paper feeding	Manual insertion: Front or rear in, top out; Push Tractor: Front or rear in, top out; Pull tractor: Front or rear or bottom in, top out
Optional paper feeding	Single Bin Cut Sheet Feeder, Push Tractor (front/rear feeds), Pull Tractor (bottom feed), Roll Paper Stand (ML5790eco only)

<sup>1</sup>Check local OKI Printing Solutions website for latest driver releases and OS compatibility

**Consumables Information:** Only use genuine OKI Printing Solutions Original consumables to ensure the best quality and performance from your hardware. Non OKI Printing Solutions Original products may damage your printer's performance and invalidate your warranty.



### Simply Unique - 3 Year Warranty

Our devices are manufactured to the highest standards of quality and technology, which has been confirmed by independent tests. We are so convinced of the high quality of our products that we are offering you an extension of the standard warranty period to 3 years – for free! Simply register your product within 30 days of purchase to be eligible for our unique all inclusive offer. Fully covered by OKI! For further information please visit: [www.okiprintingsolutions.co.uk/warranty](http://www.okiprintingsolutions.co.uk/warranty)  
Without registration, the standard pan-European 1 year warranty applies.

GENERAL FEATURES	
Input buffer	128Kbytes
Power supply	Single phase 220 to 240VAC, +/- 10%
Power consumption	<b>ISO/IEC 10561 Letter, Roman, Range1:</b> 52W; <b>Sleep mode:</b> 1.5W (with no optional attachments)
Noise level	<b>Normal:</b> 57dB(A); <b>Quiet:</b> 52dB(A); <b>Silent mode:</b> 49dB(A)
Dimensions (HxWxD)	<b>ML5790eco:</b> 191 x 438 x 375mm; <b>ML5791eco:</b> 191 x 592 x 375mm
Weight	<b>ML5790eco:</b> 7.5kg approx; <b>ML5791eco:</b> 10kg approx
Print Head life	400 million characters
Reliability	MTBF: 25,000 hours
Warranty	3 years extended warranty upon registration within 30 days of purchase
Product order numbers	<b>ML5790eco:</b> 01293101; <b>ML5791eco:</b> 01293201

### ACCESSORIES (ORDER NUMBERS)

Single Bin Cut Sheet Feeder	<b>ML5790eco:</b> 44497402; <b>ML5791eco:</b> 44497502
Push Tractor (front/rear feeds)	<b>ML5790eco:</b> 44454902; <b>ML5791eco:</b> 44455002
Pull Tractor (bottom feed)	<b>ML5720eco:</b> 44753902; <b>ML5721eco:</b> 44754002
Roll Paper Stand	09002332 (ML5790eco)
Serial RS232C	44455102
Network Card	44455302

### CONSUMABLES (ORDER NUMBERS)

Ribbon (8 million characters)	44173405 (ML5790eco)
Ribbon (13 million characters)	44173406 (ML5791eco)

**WARNING!** This product complies with EN55022 Class B. However when fitted with the optional network interface card or optional cut sheet feeder, compliance to EN55022 is Class A. In a domestic environment this configuration may cause radio interference, in which case the user may be required to take adequate control measures



© 2011 Oki Europe Ltd. Oki Printing Solutions is the trading name of Oki Europe Ltd. Version 1.2 01/2011. Specification subject to change without notice. All trademarks acknowledged.

### OKI SYSTEMS (UK) LTD.

550 Dundee Road, Slough  
Berkshire, SL1 4LE  
United Kingdom  
T +44(0) 1753 819819  
F +44(0) 1753 819899

[WWW.OKIPRINTINGSOLUTIONS.CO.UK](http://WWW.OKIPRINTINGSOLUTIONS.CO.UK)

**OKI**  
PRINTING SOLUTIONS