

# ML3320eco/ML3321eco Specifications

# OKI



## Reliable, fast and environmentally friendly 9-pin printers that deliver superb value for money

### High speed, energy efficient and reliable

A great all-rounder the ML3320eco and 136 column ML3321eco dot matrix printers are suited to a wide range of high speed data listing and multi-part forms applications, where fast throughput and flexible paper management are required.

Engineered to work in the most demanding of environments these tough desktop printers have provided over 10 years of dependable service to business. Now enhanced with the latest power management technology power consumption is reduced to just 1.5W in "Sleep mode" to deliver significant energy savings over the products long life.

### Media and application friendly

The ML3320/1eco printers can handle cut sheets, continuous feed paper and multi-part forms. Perfect for printing receipts, invoices, picking lists, reports and spread sheets working across a wide range of retail and production environments. Its robust 9-pin print head can produce up to 5 copies simultaneously for highly efficient document production.

Top, bottom and rear paper input paths and a built-in rear push tractor feed unit provide flexibility.

Optional bottom push and top pull tractor 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 ML3320eco for economical printing of passenger lists, call logs, data logs etc.

### Eco-friendly and cost effective

The ML3320/1eco printers have been developed to be eco-friendly. OKI's SoC (System on Chip) technology reduces power consumption to an impressively low 1.5W in "Sleep mode" keeping your running costs and energy consumption to a minimum, as well as reducing your carbon footprint.

### OKI's commitment to 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 a best-in-class performance and great value for money products. And, for total peace of mind just register your product and take advantage of our extended three-year warranty at no extra cost.

### Highlights:

- Up to 435 characters per second (cps) print speed
- 80 and 136 column versions available
- OKI Microline, IBM and Epson emulations
- Scalable fonts and barcode support
- Eco-friendly technology, sleep mode consumes just 1.5W
- OKI's unique, high durability 9-pin print head
- Multi-part paper-handling (original + 4 copies)
- Easy change 3 million character cartridge ribbon
- Low-tear and auto-park help eliminate wastage
- USB and Parallel interfaces with RS232 and Network options
- Three-year warranty as standard (product registration required)

### Variants available:

**ML3320eco**  
Narrow carriage

**ML3321eco**  
Wide carriage



## ML3320eco and ML3321eco - Dot Matrix Printers

PRINTER		GENERAL FEATURES	
Number of pins	9	Input buffer	128Kbytes
Columns	<b>ML3320eco:</b> 80 (10cpi); 160 (maximum in compression mode) <b>ML3321eco:</b> 136 (10cpi); 272 (maximum in compression mode)	Power supply	Single phase 220 to 240VAC, +/- 10%, frequency 50/60Hz
Character pitch	10/12/15/17.1/20 pitch and proportional	Power consumption	<b>ISO/IEC 10561 Letter, Draft, Range1:</b> 27.5W; <b>Sleep mode:</b> <1.5W (with no optional attachments)
Graphics resolution	Up to 240 x 216dpi	Noise level	Normal: 57dB(A); Quiet: 52dB(A)
Print speed	<b>Super Speed Draft:</b> 435cps (12cpi); <b>High Speed Draft:</b> 387cps (10/12cpi); <b>Utility:</b> 290cps (10/12cpi); <b>Near Letter Quality:</b> 73cps (10/12cpi)	Dimensions (HxWxD)	<b>ML3320eco:</b> 116 x 398 x 345mm <b>ML3321eco:</b> 116 x 552 x 345mm
<b>INTERFACE AND EMULATIONS</b>		Weight	<b>ML3320eco:</b> 5.8kg approx; <b>ML3321eco:</b> 7.6kg approx
Interfaces	Centronics IEEE 1284 parallel interface, USB 2.0	Print Head life	200 million characters
Optional interfaces	Ethernet 10/100, Serial RS232C	Reliability	MTBF: 10,000 hours
Emulations	Epson FX, IBM ProPrinter, OKI MicroLine (ML)	Warranty	3 years extended warranty upon registration within 30 days of purchase
Typeface & font	SSD, HSD, NLQ-Courier (scalable), NLQ-Gothic (scalable), OCR-B	Product order numbers	<b>ML3320eco:</b> 01308203; <b>ML3321eco:</b> 01308303
Typestyle	Emphasised, Enhanced, Double Width, Double Height, Italics, Bold, Superscript, Subscript, Underline, Overscore	<b>ACCESSORIES (ORDER NUMBERS)</b>	
Barcodes	UPC-A, UPC-E, EAN8, EAN13, Code39, Interleaved 2of5, Code128 (A/B/C), POSTNET	Single Bin Cut Sheet Feeder	<b>ML3320eco:</b> 44497402; <b>ML3321eco:</b> 44497502
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 2003	Push Tractor (bottom feed)	<b>ML3320eco:</b> 09002366; <b>ML3321eco:</b> 09002370
<b>PAPER HANDLING</b>		Pull Tractor (bottom/rear feeds)	<b>ML3320eco:</b> 09002365; <b>ML3321eco:</b> 09002369
Paper	Cut Sheet (single sheet), Continuous Paper (single-part, multi-part), Roll paper (ML3320eco only), Envelope, Card, Label (cut sheet and fan fold)	Roll Paper Stand	09002332 ( <b>ML3320eco</b> only)
Continuous paper (width)	<b>ML3320eco:</b> 76.2 - 254mm; <b>ML3321eco:</b> 76.2 - 406.4mm	Serial RS232C	44455102
Continuous envelopes	<b>ML3320eco:</b> 165 x 92mm <b>ML3321eco:</b> 241 x 105mm (Bottom feed only)	Network Card	44455302
First printable line (from top of page)	Continuous (multi-parts): 0.5mm Cut sheet (single sheet): 0.5mm	<b>CONSUMABLES (ORDER NUMBER)</b>	
No. of multi-part forms	Up to 5 (one original + 4 copies)	Ribbon (3 million characters)	09002303
Multi-part paper thickness	Bottom push feed: 0.44mm; rear push feed & top/rear push-pull feed: 0.38mm; Bottom pull feed: 0.44mm		
Paper feeding	Manual insertion: Top in, top out; Push Tractor: rear in, top out; Optional Push/Pull tractor: rear or bottom in, top out		
Optional paper feeding	Single Bin Cut Sheet Feeder, Bottom Push Tractor (bottom feed), Top mounted Pull Tractor (bottom/rear feed), Roll Paper Stand (ML3320eco 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.

**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.



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