



Optimize your business performance with reliable, low-cost impact printing

Legendary reliability, expanded head gap, and zero-tear capability for dedicated forms printing

The ML300 Turbo Series of SIDM (dot matrix) printers builds on the OKI® heritage of rugged reliability. These 9- and 24-pin printers are engineered to be tough enough for dedicated printing in the most demanding back office, point-of-sale, automation and utility applications.

They deliver fast output, can easily run twice as long as most printers in their class, and are economical enough to put wherever you need data on the spot.

Getting the job done, day in and day out

ML300 Turbo Series printers put the “work” in workstations for financial departments, wholesale or retail sales counters, even for harsh or warehouse or manufacturing environments. Their relentless performance comes from the design of their printhead... light, strong, efficient motor... long-lasting rack-and-pinion drive system... and a protective, impact-resistant chassis.

These printers can accommodate multipart forms and stocks that are up to twice as thick as those that fit their nearest competitors, and their printheads deliver a strong punch—providing clear, crisp text even on the last page of a 6-part form.¹

The ML300 Turbo Series’ patented optical sensor accurately positions printheads for precise output, and their auto-tear feature accurately positions your continuous forms for a clean tear right at the perforation—eliminating wasted forms.

Accommodating your growing business

Drive your office productivity further, with the printers that can meet your needs today and in the future. Options include additional tractor kits, cut sheet feeders, and internal or external network connectivity.

ML300 Turbo Series printers: all the reliability and high performance you need.

Highlights:

- Built rugged and reliable in the OKI tradition: 10,000-hr. MTBF
- Expanded head gap handles forms up to twice as thick as the competition’s printers
- Zero-tear and auto-park help to eliminate wasted forms
- Print speeds as fast as 435 cps²
- Crisp, clear printing on up to 6-part forms¹
- Co-resident Epson®, IBM® and MICROLINÉ® emulations
- USB and parallel connectivity standard
- Available with optional serial interface and network connectivity via internal or external Ethernet print server
- 1-year limited warranty standard; up to 3 years of coverage with options³
- Live, toll-free technical support³



ML300 Turbo Series printers are available in standard and wide-body configurations.

¹ ML320/ML321 models; ML390/ML391 models up to 4 parts.

² ML320/ML321 models in SuperSpeed Draft mode.

³ Available in the U.S. and Canada only.

ML300 Turbo Series

Specifications

Technology, Speed and Print Characteristics

- **Print Method:** Serial Impact Dot Matrix
ML320T/ML321T – 9-pin (.34 mm diameter)
ML390T/ML391T – 24-pin (.2 mm diameter)

- **Feed Rate:** 5.0 ips

- **Print Speed (cps):**

	LQ	NLQ	Utility	HS Draft	SS Draft
ML320T/ML321T ¹	n/a	75	300	390	435
ML390T/ML391T ²	87	n/a	260	n/a	n/a

Emulations, Interface and Memory

Emulations:

- ML320T/ML321T – Epson®FX (ESC/P), IBM® ProPrinter®III, OKI®MICROLINE® and (DEC®) ANSI® x 3.64
- ML390T/ML391T – Epson® LQ (ESC/P2); IBM® ProPrinter®; IBM® AGM

Interface:

- Standard – IEEE Parallel; USB;
- Optional – RS-232C Serial; Ethernet via OkiLAN® 10/100 Base-T Internal Print Server or OkiLAN 10/100 Base-T External Print Server

Memory:

- Receive Buffer 128K

Compatibility

Operating Systems:

- Windows 10®, Windows 8.1, Windows 8, Windows 7, Server 2019, Server 2016, Server 2012/R2, Server 2008 R2

Note: Check website for most current OS compatibility.

Characters

- **Barcodes:** 11

Paper Handling

- **Paper Input:** Single/Multi-part, Continuous forms, Cut sheet, Envelopes, Card stock, Labels

- **Number of Copies:** Interleaf or Carbonless
ML320T/ML321T – Original +5 = 6

ML390T/ML391T – Original +3 = 4

- **Thickness:** Rear feed 0.014" (0.36 mm) max.; Bottom feed 0.017" (0.44 mm)

Paper Feeding: Top/Rear/Bottom

- **Standard Tractor:** Rear Push with zero-tear and paper park

- **Options:** Top-Mount Pull Tractor, Bottom Push Tractor, Cut Sheet Feeder (single bin), Roll Paper Stand (ML320T and ML390T only)

Environmental

Size (WxDxH):

ML320T and ML390T – 15.7" x 13.6" x 5.8" (39.9 cm x 35.5 cm x 14.7 cm)

ML321T and ML391T – 21.7" x 13.6" x 5.8" (55.0 cm x 35.5 cm x 14.7 cm)

Note: Sizes do not include platen knob and paper separator.

Net Weight:

ML320T – 12.8 lb. (5.8 kg); ML321T – 16.8 lb. (7.6 kg)

ML390T – 12.8 lb. (5.8 kg); ML391T – 17.0 lb. (7.7 kg)

Acoustic Noise:

57 dBA (Quiet mode 52 dBA)

Power Requirements:

120V Model: 100 VAC -10% ~ 127 VAC +10%;

230V Model: 220 VAC -10% ~ 240 VAC +10%

Power Consumption (Avg.):

	Printing	Idle	Sleep Mode ⁴
ML320/ML321			
HS Draft	36W	5.0W max	2.0W – 4.2W
Utility	37W		
ML390/ML391			
LQ Courier	40W	5.0W max	2.0W – 4.2W
Utility	35W		

Operating Temperature:

41°F to 95°F (5°C to 35°C);

20% to 80% relative humidity

Warranty and Reliability

- **MTBF:** 10,000 hours (25% duty cycle, 35% page density)

Reliability (Monthly Duty Cycle):

ML320T – 20,000 pages at 25% duty cycle/35% density;

ML321T – 13,000 pages at 25% duty cycle/35% density

ML390T – 18,000 pages at 25% duty cycle/35% density;

ML391T – 12,000 pages at 25% duty cycle/35% density

- **Printhead Life:** 200 million characters at 25% duty cycle

- **Ribbon Life:** ML320T/ML321T – 3 million characters;

ML390T/ML391T – 2 million characters

- **Limited Warranty:** 1-Year parts, labor and printhead;

up to 3 years of coverage available with options³

¹ All print speeds apply to all pitches (10, 12, 17.1, and 20 cpi).

² All print speeds apply to 10 cpi pitch only.

³ Available in U.S. and Canada only.

⁴ ENERGY STAR® compliant.

All specifications subject to change without notice.

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Ordering Information

Description	Part Number	
ML320 Turbo – 120V, 50/60 Hz ⁴	62411601	
ML320 Turbo – 230V, 50/60 Hz ⁴	62411602	
ML321 Turbo – 120V, 50/60 Hz ⁴	62411701	
ML320 Turbo/n – 120V	62415401	
ML321 Turbo/n – 120V	62415501	
ML320 Turbo/D – 120V, 50/60 Hz ⁴	62412901	
ML320 Turbo/D – 230V, 50/60 Hz ⁴	62412902	
ML321 Turbo/D – 120V, 50/60 Hz ⁴	62413001	
ML320 Turbo with Cut Sheet Feeder (Single Bin) – 120V, 50/60 Hz	62411603	
ML321 Turbo with Cut Sheet Feeder (Single Bin) – 120V, 50/60 Hz	62411703	
ML390 Turbo – 120V, 50/60 Hz ⁴	62411901	
ML391 Turbo – 120V, 50/60 Hz ⁴	62412001	
ML390 Turbo/n – 120V	62415901	
ML391 Turbo/n – 120V	62416001	
ML390 Turbo with Cut Sheet Feeder (Single Bin) – 120V, 50/60 Hz	62411903	
ML391 Turbo with Cut Sheet Feeder (Single Bin) – 120V, 50/60 Hz	62412003	
Options		
Top-Mount Pull Tractor Kit with Acoustic Cover:		
ML320T/ML390T	70030501	
ML321T/ML391T	70030601	
Bottom Push Tractor Kit:		
ML320T/ML390T	70030701	
ML321T/ML391T	70030801	
Cut Sheet Feeder:		
ML320/ML390	44497401	
ML321/ML391	44497501	
Roll Paper Stand (ML320T/ML390T only)	70023301	
RS-232C Serial Interface	44455101	
OkiLAN® 7130e 10/100 Base-T Ethernet Internal Print Server	45268701	
Self-inking Ribbon Cartridges:		
ML320T/ML321T	52102001	
ML390T/ML391T	52104001	
OKIcare® Depot Warranty Enhancement Program		
	ML320T/321T	ML390T/391T
2-Year Extension	38000611	38001611
3-Year Extension	38000612	38001612

Note: All Warranty Enhancement Program options extend the total warranty coverage period from the date of purchase to the number of years listed for each order number above.



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