

HP Designjet Z5400 PostScript ePrinter



The first multi-roll ePrinter for graphics to produce high-quality, long-lasting prints efficiently.



Achieve fast delivery with two rolls and a smart workflow.

- Be ready: meet urgent requests using the first ePrinter for graphics with multi-roll and smart media switching.
- Increase uptime with fewer roll changes and convenient status alerts for ink levels, firmware updates and more.
- Preview, crop, and print PDF, PostScript®, HP-GL/2, TIFF and JPEG files fast, using HP Instant Printing PRO.
- Shorten your turnaround times with a 320 GB hard drive, borderless printing¹, and fast-drying HP Photo Inks.

Impress your customers with top quality and durability.

- Create in-house posters, photos, canvasses, backlit prints, indoor signs, POS posters, line drawings and maps.
- Impress customers with top quality black-and-white images, using three shades of black HP Photo Inks.
- Achieve smooth colour tones thanks to HP Multi-Dimensional Smart Drop Placement Technology.
- Expand your offerings with water-resistant prints that last up to 200 years, using HP Photo Inks².

Experience easy, efficient operation backed by HP reliability

- Simplify your operation with USB flash drive and email printing³, a colour touchscreen, and print preview.
- Ensure colour reliability with HP Professional PANTONE® colour emulation and embedded Adobe® PostScript®/PDF.
- Automatic drop detection and intelligent masking helps ensure image quality and reduces cleaning and waste.
- Use ink more efficiently thanks to an optimised ink configuration⁴.

¹ Photo paper is required to print borderless images.

² With Original HP 772 or HP 70 Photo Inks. Display permanence rating for interior displays/away from direct sunlight, under glass by HP Image Permanence Lab and/or by Wilhelm Imaging Research, Inc. on a range of HP media. For details, see hp.com/go/supplies/printpermanence

³ Only files in TIFF, JPEG and PDF format can be emailed with a size limit of 10 MB.

⁴ Compared with the HP Designjet Z5200 Photo Printer.

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Technical specifications

Print

Print speed	53 m ² /hr; Maximum rate of output for color image 100% color coverage (Bandes file). Printed in Fast mode with Economode on, on HP Bright White Inkjet Paper (Bond), maximum roll size, with HP Vivid Photo Inks.
Print resolution	Up to 2400 x 1200 optimized dpi
Margins (top x bottom x left x right)	Roll: 5 x 5 x 5 x 5 mm (borderless on photo roll media) Sheet: 5 x 17 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	Pigment-based
Ink colours	6 (cyan, magenta, yellow, grey, matte black, photo black)
Ink drop	4 pl (lg, pK), 6 pl (C, M, Y, mK)
Print head nozzles	2112
Print heads	3 (magenta and yellow, matte black and cyan, photo black and light grey)
Line accuracy	+/- 0.1% (+/- 0.1% of the specified vector length or +/- 0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Photo Inks)
Minimum line width	0.04 mm (HP-GL/2 addressable)
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001 (E))
Maximum print length	91 m (application dependent)
Maximum print weight	11.9 kg
Maximum optical density	4 L* min/2.5 D

Media

Handling	Two automatic roll feeds; smart roll-switching; sheet feed; media output bin; automatic cutter (cuts all media except canvas and banners)
Types	Photographic, proofing, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit, fabric/textile
Weight	60 to 500 g/m ²
Size	210 x 279 to 1118 x 1676 mm
Thickness	Up to 0.5 mm

Memory

Standard	64 GB (virtual), Based on 768 MB RAM
Hard disk	Standard, 320 GB

Connectivity

Interfaces (standard)	Gigabit Ethernet (1000Base-T); Hi-Speed USB 2.0; EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect EIO print servers
Print languages (standard)	Adobe® PostScript® 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP PCL 3 GUI, HP-GL/2 and HP-RTL (HP-GL/2 and HP-RTL only available via HP Instant Printing PRO or the HP Embedded Web Server)
Drivers included	PostScript Windows and Mac drivers

Environmental ranges

Operating temperature	5 to 40°C
Storage temperature	-25 to 55°C
Operating humidity	20 to 80% RH
Storage humidity	0 to 95% RH

Acoustic

Sound Pressure	45 dB(A)
Sound Power	6.7 B(A)

Dimensions (w x d x h)

Printer	1770 x 721 x 1050 mm
Packaged	1930 x 770 x 710 mm

Weight

Printer	86 kg
Packaged	115 kg

Power consumption

Maximum	< 120 watts (printing); < 27 watts (ready); < 5 watts / < 22 watts with embedded Digital Front End (sleep); 0.1 watts (off)
Power requirements	Input voltage (auto ranging): 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max

What's in the box

E1L21A	HP Designjet Z5400 PostScript ePrinter; printheads; introductory ink cartridges; printer stand and media bin; spindles; quick reference guide; setup poster; start-up software; power cord
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Certification

Safety	EU (LVD and EN 60950-1 compliant); Russia/Kazakhstan (EAC)
Electromagnetic	Compliant with Class B requirements: EU (EMC Directive)
Environmental	ENERGY STAR®; WEEE; EU RoHS; REACH
ENERGY STAR	Yes

Warranty

	One-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.
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Ordering information

Product

E1L21A	HP Designjet Z5400 1118 mm PostScript ePrinter
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Accessories

CN538A	HP Designjet 3-in Core Adapter
J8025A	HP Jetdirect 640n Print Server
Q6709A	HP Designjet 1118mm Roll Feed Spindle

Ink supplies

C9404A	HP 70 Matte Black and Cyan Printhead
C9406A	HP 70 Magenta and Yellow Printhead
C9407A	HP 70 Photo Black and Light Gray Printhead
C9448A	HP 70 130-ml Matte Black Ink Cartridge
C9449A	HP 70 130-ml Photo Black Ink Cartridge
C9451A	HP 70 130-ml Light Gray Ink Cartridge
C9452A	HP 70 130-ml Cyan Ink Cartridge
C9453A	HP 70 130-ml Magenta Ink Cartridge
C9454A	HP 70 130-ml Yellow Ink Cartridge
CN629A	HP 772 300-ml Magenta Designjet Ink Cartridge
CN630A	HP 772 300-ml Yellow Designjet Ink Cartridge
CN633A	HP 772 300-ml Photo Black Designjet Ink Cartridge
CN634A	HP 772 300-ml Light Gray Designjet Ink Cartridge
CN635A	HP 772 300-ml Matte Black Designjet Ink Cartridge
CN636A	HP 772 300-ml Cyan Designjet Ink Cartridge

Media supplies

COF29A	HP 2-pack Everyday Adhesive Gloss Polypropylene-1067 mm x 22.9 m (42 in x 75 ft)
C2T54A	HP 2-pack Premium Matte Polypropylene-1067 mm x 22.9 m (42 in x 75 ft)
C6030C	HP Heavyweight Coated Paper-914 mm x 30.5 m (36 in x 100 ft)
C6810A	HP Bright White Inkjet Paper-914 mm x 91.4 m (36 in x 300 ft)
CH025A	HP 2-pack Everyday Matte Polypropylene-1067 mm x 30.5 m (42 in x 100 ft)
Q7996A	HP Premium Instant-dry Satin Photo Paper-1067 mm x 30.5 m (42 in x 100 ft)

Service & support

U0LZ3E	- HP 3 year Next Business Day Designjet Z5400ps-44in Hardware Support
U0LZ8E	- HP 3 year 4 hour 9x5 Designjet Z5400ps-44in Hardware Support
U0LZ4E	- HP 4 year Next Business Day Designjet Z5400ps-44in Hardware Support
U0LZ5E	- HP 5 year Next Business Day Designjet Z5400ps-44in Hardware Support
U0MA2PE	- HP 1 year Post Warranty Next Business Day Designjet Z5400ps-44in Hardware Support
U0MA4PE	- HP 1 year Post Warranty 4 hour 9x5 Designjet Z5400ps-44in Hardware Support
U0MA6PE	- HP 2 year Post Warranty Next Business Day Designjet Z5400ps-44in Hardware Support

HP Designjet Support Services offer solutions for business critical environments - installation, extended support and maintenance, as well as variety of value added services. For more information, please visit hp.com/go/designjet/support.

Use Original HP inks and printheads to experience consistent high quality and reliable performance that enable less downtime. For more information, visit hp.com/go/OriginalHPInks.



For the entire HP Large Format Printing Materials portfolio, please see globalBMG.com/hp.

For more HP Large Format Media substrates and sizes please visit us online at: <http://www.hp.com/go/designjet/supplies>

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