

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 printing, 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.
- Offer your customers durable prints that last up to 200 years, using HP Vivid 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.

HP Designjet Z5400 PostScript ePrinter

Technical specifications

Print

| | |
|--|---|
| Maximum Print speed | 53 m ² /hr; Maximum rate of output for colour image 100% colour 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 AO/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 media roll weight | 11.9 kg |
| Maximum optical density | 4 L* min/2.5 D |

Media

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|------------------|---|
| 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

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| RAM | 64 GB (virtual) |
| Hard disk | Standard, 320 GB |

Connectivity

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| 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

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|------------------------------|--------------|
| 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

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

Dimensions (w x d x h)

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

Weight

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|-----------------|--------|
| Printer | 86 kg |
| Packaged | 115 kg |

Power consumption

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|---------------------------|---|
| 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

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|---------------|--|
| 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

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|------------------------|--|
| 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

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

Product

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|---------------|---|
| E1L21A | HP Designjet Z5400 1118mm PostScript ePrinter |
|---------------|---|

Accessories

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

Printheads

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|---------------|--|
| C9404A | HP 70 Matte Black and Cyan Printhead |
| C9406A | HP 70 Magenta and Yellow Printhead |
| C9407A | HP 70 Photo Black and Light Gray Printhead |

Ink supplies

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|---------------|---|
| 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

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|---------------|--|
| 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) |
| CHO25A | 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

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|----------------|---|
| UOLZ3E | - HP 3 year Next Business Day Designjet Z5400ps-44in Hardware Support |
| UOLZ8E | - HP 3 year 4 hour 9x5 Designjet Z5400ps-44in Hardware Support |
| UOLZ4E | - HP 4 year Next Business Day Designjet Z5400ps-44in Hardware Support |
| UOLZ5E | - HP 5 year Next Business Day Designjet Z5400ps-44in Hardware Support |
| UOMA2PE | - HP 1 year Post Warranty Next Business Day Designjet Z5400ps-44in Hardware Support |
| UOMA4PE | - HP 1 year Post Warranty 4 hour 9x5 Designjet Z5400ps-44in Hardware Support |
| UOMA6PE | - 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.



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 South Africa 0800.999.693

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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