



HP Designjet Z5400 PostScript® ePrinter

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



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 useful notifications 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.

Quality and durability to impress your customers

- Create in-house posters, photos, canvases, 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 color 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.

Easy, efficient operation backed by HP reliability

- Simplify your operation with USB flash drive and e-mail printing³, a color touchscreen, and print preview.
- Ensure color reliability with HP Professional PANTONE® color 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 optimized ink configuration⁴.

Eco Highlights

- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling¹
- FSC®-certified papers,² range of recyclable HP media with a take-back program³
- ENERGY STAR® qualified and EPEAT Bronze registered³



¹ Program availability varies. Please check hp.com/recycle for details.
² BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.
³ EPEAT registered where applicable/supported. See epeat.net for registration status by country.

Please recycle large-format printing hardware and printing supplies.
Find out how at our website
hp.com/ecosolutions

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 on a range of HP media. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. For details, see globalBMG.com/hp/printpermanence.
³ Only files in TIFF, JPEG and PDF format can be e-mailed with a size limit of 10 MB.
⁴ Compared with the HP Designjet Z5200 Photo Printer.



1. With Aurasma installed, please go to the HP Designjet channel at <http://auras.ma/s/ke25m>
2. Without Aurasma installed, please download it:
 - a. Google Play - <http://auras.ma/s/android>
 - b. Apple Store - <http://auras.ma/s/ios>Once done, go to the HP Designjet channel at <http://auras.ma/s/ke25m>
3. Open the application and point to the image to view the HP Designjet video

Technical specifications

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|-------------------------------|---|---|
| Print | Maximum print speed ⁵ | 53 m ² /hr (570 ft ² /hr) |
| | Print resolution | Up to 2400 x 1200 optimized dpi |
| | Margins | Roll: 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 in) (borderless on photo roll media); Sheet: 5 x 17 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in) |
| | Ink types | Pigment-based |
| | Line accuracy | +/- 0.1% ⁶ |
| | Minimum line width | 0.04 mm (0.0015 in) (HP-GL/2 addressable) |
| | Guaranteed minimum line width | 0.08 mm (0.0031 in) (ISO/IEC 13660:2001(E)) ⁷ |
| Image quality | Short term color stability | < 1 dE2000 in less than 5 minutes ⁸ |
| | Long term print-to-print repeatability | Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 ⁸ |
| | Maximum optical density | 4 L* min/2.5 D ⁹ |
| Media | Handling | Two automatic roll feeds; smart roll-switching; sheet feed; media output bin; automatic cutter ¹⁰ |
| | Size | Rolls: 279 to 1118 mm (11 to 44 in) Sheets: 210 x 279 to 1118 x 1676 mm (8.3 x 11 to 44 x 66 in) Standard sheets: A4, A3, A2, A1, A0 (A, B, C, D, E) |
| | Thickness | Up to 0.8mm (31.5 mil) |
| Applications | Line drawings, Renderings, Maps, Orthophotos, Graphics design, Office Graphics, Posters, Photos, Digital fine art, Banners, Exhibition, event graphics, Light boxes - film, Point of sale/display | |
| Memory | 64 GB (virtual) ¹¹ , 320 GB hard disk | |
| Connectivity | Interfaces | Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO (standard) Jetdirect accessory slot |
| | Print languages | Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP PCL (standard) 3 GUI, HP-GL/2 ⁵ , and HP-RTL ² |
| | Printing paths | Printer driver, HP Embedded Web Server, HP Instant Printing PRO, USB, email printing |
| | Drivers (included) | PostScript Windows and Mac drivers |
| Dimensions (w x d x h) | Printer | 1770 x 721 x 1050 mm (69.7 x 28.4 x 41.3 in) |
| | Shipping | 1930 x 770 x 710 mm (76 x 30.3 x 28 in) |
| Weight | Printer | 86 kg (189 lb) |
| | Shipping | 115 kg (253.5 lb) |
| What's in the box | 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 | |
| Software included | Printer driver, HP Instant Printing PRO for Windows, HP Printer Utility including HP Color Center, HP Designjet Excel Accounting Tool | |
| Environmental ranges | Operating temp. | 5 to 40°C (41 to 104°F) |
| | Storage temp. | -25 to 55°C (-13 to 131°F) |
| | Operating humidity | 20 to 80% RH (non-condensing) |
| Acoustic | Sound pressure | 45 dB(A) (active); 23 dB(A) (standby) |
| | Sound power | 6.7 B(A) (active); 4.1 B(A) (standby) |
| Power | Consumption | < 120 watts (printing); < 27 watts (ready); < 5 watts (< 22 watts with embedded Digital Front End) (sleep); 0.1 watts (off) |
| | Requirements | Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max |
| Certification | Safety | USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia/Kazakhstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE) |
| | Electromagnetic | Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC) |
| | Environmental | ENERGY STAR, WEEE, EU RoHS, China RoHS, REACH, FEMP, EPEAT Bronze |
| Warranty | One-year limited hardware warranty | |

⁵ Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (Bond) with HP Photo Inks.

⁶ +/- 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.

⁷ Measured on HP Matte Film.

⁸ With HP Premium Instant Dry Photo Satin media with HP Photo Inks, right after calibration.

⁹ With HP Premium Instant Dry Photo Gloss media with HP Photo Inks.

¹⁰ Cuts all media except canvases and banners.

¹¹ Based on 768 MB RAM.

¹² Only available via HP Instant Printing PRO or the HP Embedded Web Server.

For more information, please visit
hp.com/go/DesignjetZ5400



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Ordering information

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| Product | E1L21A | HP Designjet Z5400 44-in PostScript ePrinter | |
| Accessories | CN538A | HP Designjet 3-in Core Adapter | |
| | Q6709A | HP Designjet 44-inch Roll Feed Spindle | |
| | J8025A | HP Jetdirect 640n Print Server | |
| | G6H51A | HP Designjet HD Pro Scanner | |
| Original HP printheads | C9404A | HP 70 Matte Black and Cyan Printhead | |
| | C9406A | HP 70 Magenta and Yellow Printhead | |
| | C9407A | HP 70 Photo Black and Light Gray Printhead | |
| Original HP ink cartridges | 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 | |
| | 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 | |
| Original HP large format printing materials | C9453A | HP 70 130-ml Magenta Ink Cartridge | |
| | C9454A | HP 70 130-ml Yellow Ink Cartridge | |
| | C6810A | HP Bright White Inkjet Paper (FSC® certified) ^{13,14} 914 mm x 91.4 m (36 in x 300 ft) | |
| | Q7996A | HP Premium Instant-dry Satin Photo Paper (FSC® certified) ^{13,14} 1067 mm x 30.5 m (42 in x 100 ft) | |
| | C0F29A | HP Everyday Adhesive Gloss Polypropylene, 2 Pack 1067 mm x 22.9 m (42 in x 75 ft) | |
| | C6030C | HP Heavyweight Coated Paper (PEFC™ certified) ^{13,14} 914 mm x 30.5 m (36 in x 100 ft) | |
| | C2T54A | HP Premium Matte Polypropylene, 2 Pack ¹⁴ 1067 mm x 22.9 m (42 in x 75 ft) | |
| | CH025A | HP Everyday Matte Polypropylene, 2 Pack ¹⁴ 1067 mm x 30.5 m (42 in x 100 ft) | |
| | Service and support | U0LZ3E | HP 3 year Next Business Day Onsite support ¹⁵ |
| | | U0LZ6E | HP 3 year Next Business Day Onsite support with Defective Media Retention ¹⁶ |
| U0LZ8E | | HP 3 year 4-hour response, 9x5 Onsite support ¹⁵ | |
| U0MA2PE | | HP 1 year Post Warranty Next Business Day Onsite support ¹⁵ | |
| U0MA3PE | | HP 1 year Post Warranty Next Business Day Onsite support with Defective Media Retention ¹⁶ | |
| U0MA4PE | HP 1 year Post Warranty 4-hour response, 9x5 Onsite Support ¹⁵ | | |

Use HP Photo Inks and printheads to experience consistent high quality and reliable performance that enable less downtime and increased productivity. These critical printing system components are designed and engineered together to provide optimized efficiency, a wide color gamut, and prints with over 200 years fade resistance.¹⁷ For more information, visit hp.com/go/OriginalHPInks.

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

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/designjetsupport.

¹³ FSC® trademark license code FSC®-C017543, see fsc.org. PEFC™ trademark license code PEFC™/29-31-198, see pefc.org. Not all FSC®- or PEFC™-certified products are available in all regions.

¹⁴ HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See hp.com/recycle for details.

¹⁵ Not available in North America and Latin America.

¹⁶ Not available in Europe, Middle East, and Africa.

¹⁷ 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 on a range of HP media. For details, see globalBMG.com/hp/printpermanence.

