



HP DesignJet Z5600 PostScript® Printer

Quick and efficient multi-roll, 44-inch high-impact graphics printing



VIVID

Eye-catching, water/fade-resistant images¹

- Impressive—**HP chromatic red ink** enhances the color gamut—ideal for high-impact POP signs and posters
- Versatile—with pigment-based photo inks for GIS, durable maps, technical drawings and photos, canvas
- Reliable color, line accuracy—HP Professional PANTONE® color emulation, with Adobe® PostScript®/PDF, HP-GL/2
- Durable—water/scratch/fade-resistant and archivable prints last up to 200 years with HP Vivid Photo Inks¹

EXPRESS PRINTING

Fast one-click,² and multi-roll

- Boost operator media loading efficiency up to 75%³ with automatic **multi-roll** printing
- Print up to 39% faster⁴—save time on technical drawings with quick-drying HP Vivid Photo Inks
- Easy—one-click printing,² color touchscreen, print preview, direct USB flash drive, email printing
- Flexible—supports color workflows with genuine Adobe® PostScript® and broad choice of RIPs

SAVINGS

Cut costs with HP 6-ink printing system⁵

- Up to 20% **ink consumption savings** using HP's optimized 6-ink printing system⁵
- No maintenance cartridge—auto drop detection and nozzle switching reduce cleaning, maintain image quality
- Less operator intervention and more cost-effective printing with 300-ml HP ink cartridges
- Optimize media usage by auto-arranging multiple images on a roll with HP Click printing software

For more information, please visit
hp.com/go/DesignJetZ5600

¹ Print permanence estimates by HP Image Permanence Lab based on HP Vivid Photo Inks with the HP DesignJet Z6200 Photo Production Printer. Water resistance performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. Scratch-resistance based on internal HP testing using the Taber and coin test method on a range of HP media. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab, and by Wilhelm Imaging Research, Inc. on a range of HP media. For more information, see HPLFMedia.com/printpermanence.

² Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.

³ Based on March, 2016 internal HP competitive research comparing single-roll printers with dual-roll printing with smart switching on the HP DesignJet Z5600 PostScript® Printer on jobs that require switching between two types of media.

⁴ Compared to the Canon imagePROGRAF iPF8400SE printer on plain paper, in fast mode.

⁵ Reduced ink consumption based on comparing the 6-ink HP DesignJet Z5600 PostScript® Printer to the 8-ink Canon imagePROGRAF iPF8400S printer when used in a small copy shop environment as of March, 2016.

Technical specifications

Print	Maximum print speed ⁶	60 m ² /hr (650 ft ² /hr)
	Print resolution	Up to 2400 x 1200 optimized dpi
	Margins	Roll: 5 x 5 x 5 x 5 mm (0.2 x 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)
	Technology	HP Thermal Inkjet
	Ink types	Pigment-based
	Ink drop	4 pl (pK, C), 6 pl (M, Y, mK, R)
	Printheads	3 (photo black and cyan, magenta and yellow, matte black and chromatic red)
	Line accuracy	±0.1% ⁷
	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)) ⁸
Image quality	Short-term color stability	< 1 dE2000 in less than 5 minutes ⁹
	Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 ⁹
Media	Handling	Two automatic roll feeds; smart roll-switching; sheet feed; media output bin; automatic cutter ¹⁰
	Types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit, clear film
	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 0.8 mm (31.5 mil)
	Grammage	80 to 495 g/m ²
	Weight	60 to 496g/m ²
Applications	Maps, Orthophotos, Point of sale/display, Graphics design, Posters, Banners, Exhibition and event graphics, Light boxes - film	
Memory	64 GB (virtual), ¹¹ 320 GB hard disk ¹²	
Connectivity	Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive, EIO Jetdirect accessory slot
	Print languages (standard)	Adobe PostScript® 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, and HP-RTL
	Printing paths	Printer driver, HP Embedded Web Server, direct printing from USB flash drive, email printing
	Drivers (included)	HP-GL/2, raster drivers for Windows and macOS; PostScript® drivers for Windows, and macOS
Dimensions (w x d x h)	Printer	1770 x 775 x 1050 mm (69.7 x 30.5 in x 41.3 in)
	Shipping	1930 x 770 x 720 mm (76 x 30.3 x 28.3 in)
Weight	Printer	86.5 kg (190.7 lb)
	Shipping	119.5 kg (263.5 lb)
What's in the box	DesignJet Z5600 PostScript® Printer, printheads, introductory ink cartridges, printer stand and media bin, spindles, quick reference guide, setup poster, start-up software, power cord	
Software included	HP Click, HP DesignJet 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	42 dB(A) (printing); 32 dB(A) (ready); 22 dB(A) (sleep)
	Sound power	6.0 B(A) (printing); 5.0 B(A) (ready); 3.9 B(A) (sleep)
Power	Consumption	< 120 watts (printing); < 32 watts (ready); 1.5 watts (sleep); 0.1 watts (off)
	Requirements	Input voltage (auto ranging) 100-240 V (±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/Belarus (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
	Environmental	ENERGY STAR, WEEE, EU RoHS, China RoHS, REACH; EPEAT Bronze
Warranty	One-year limited hardware warranty	

⁶ 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.
⁷ ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, in Best or Normal mode with HP Vivid Photo Inks.
⁸ Measured on HP Matte Film.
⁹ With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks, right after calibration.
¹⁰ Cuts all HP Z-series printer qualified media except canvas. For qualified media, see HPLFMedia.com.
¹¹ Based on 640 MB RAM.
¹² Optional security solution of Encrypted HDD (available only in specific countries)
¹³ BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org.
¹⁴ PEFC trademark license code PEFC®/29-31-261, see pefc.org. HP trademark license code PEFC®/29-31-198, see pefc.org. Not all FSC® or PEFC®-certified products are available in all regions.
¹⁵ Can be recycled through commonly available recycling programs.
¹⁶ Can be recycled according to region-specific practices. In Europe recyclable in consumer collection systems that accept liquid packaging.
¹⁷ With Original HP 745 Vivid 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 HPLFMedia.com/printpermanence.

Ordering information

Product	T0B51A	HP DesignJet Z5600 44-in PostScript® Printer
Accessories	CN538A	HP DesignJet 3-in Core Adapter
	Q6709A	HP DesignJet 44-in Spindle
	J8025A	HP Jetdirect 640n Print Server
	G6H51B	HP HD Pro 42-in Scanner
Original HP printheads	F9J86A	HP 744 Photo Black and Cyan DesignJet Printhead
	F9J87A	HP 744 Magenta and Yellow DesignJet Printhead
	F9J88A	HP 744 Matte Black and Chromatic Red DesignJet Printhead
Original HP ink cartridges	F9J95A	HP 745 130-ml Magenta DesignJet Ink Cartridge
	F9J96A	HP 745 130-ml Yellow DesignJet Ink Cartridge
	F9J97A	HP 745 130-ml Cyan DesignJet Ink Cartridge
	F9J98A	HP 745 130-ml Photo Black DesignJet Ink Cartridge
	F9J99A	HP 745 130-ml Matte Black DesignJet Ink Cartridge
	F9K00A	HP 745 130-ml Chromatic Red DesignJet Ink Cartridge
	F9K01A	HP 745 300-ml Magenta DesignJet Ink Cartridge
	F9K02A	HP 745 300-ml Yellow DesignJet Ink Cartridge
	F9K03A	HP 745 300-ml Cyan DesignJet Ink Cartridge
	F9K04A	HP 745 300-ml Photo Black DesignJet Ink Cartridge
	F9K05A	HP 745 300-ml Matte Black DesignJet Ink Cartridge
	F9K06A	HP 745 300-ml Chromatic Red DesignJet Ink Cartridge
The HP DesignJet Z5600 PostScript® Printer is not designed to use continuous ink systems. The HP DesignJet Z5600 PostScript® Printer is designed for ink cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause the printer to fail, and voids the HP printer and HP ink cartridge warranty.		
Original HP large format printing materials	Q1398A	HP Universal Bond Paper (FSC® certified) ¹³ ¹⁴ 1067 mm x 45.7 m (42 in x 150 ft)
	Q1956A	HP Heavyweight Coated Paper (PEFC™ certified) ¹³ ¹⁴ 1067 mm x 68.5 m (42 in x 225 ft)
	C0F20A	HP Everyday Adhesive Matte Polypropylene, 2 Pack 1067 mm x 22.9 m (42 in x 75 ft)
	Q8755A	HP Universal Instant-dry Satin Photo Paper (FSC® certified) ¹³ ¹⁵ 1067 mm x 61 m (42 in x 200 ft)
	J3E86A	HP Professional Matte Canvas 1118 mm x 15.2 m (44 in x 50 ft)
	CG460B	HP Premium Matte Photo Paper (FSC® certified) ¹³ ¹⁴ 914 mm x 30.5 m (36 in x 100 ft)
Service and support	U9CS5E	HP 2 year Next Business Day Onsite Support with Defective Media Retention for DesignJet Z5600-44
	U9CS6E	HP 3 year Next Business Day Onsite Support with Defective Media Retention for DesignJet Z5600-44
	U9CS7E	HP 4 year Next Business Day Onsite Support with Defective Media Retention for DesignJet Z5600-44
	U9CS8E	HP 5 year Next Business Day Onsite Support with Defective Media Retention for DesignJet Z5600-44
	U9CS9PE	HP 1 year Post Warranty Next Business Day Onsite Support with Defective Media Retention for DesignJet Z5600-44
	U9CT0PE	HP 2 year Post Warranty Next Business Day Onsite Support with Defective Media Retention for DesignJet Z5600-44
	H4518E	HP Network Installation Service for high-end DesignJet series
	U1XV4E	HP Preventive Maintenance for HP DesignJet Hardware Support

Use HP Vivid 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.¹⁶ For more information, visit hp.com/go/OriginalHPInks.

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

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.

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. Registered EPEAT Bronze⁴ for environmentally preferable product



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 HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See HPLFMedia.com/hpl/ecosolutions for details.

⁴ 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

