Data sheet

HP DesignJet Z5600 PostScript® Printer

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

VIVID
Eye-catching, water/fade-resistant images[1]

- 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 Inks[1]

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% faster[4]—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 system[5]

- Up to 20% **ink consumption savings** using HP's optimized 6-ink printing system[5]

- 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 DesignJet Click printing software

For more information, please visit
hp.com/go/designjetZ5600

HP DesignJet
25 years reinventing design

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[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]	650 ft²/hr (60 m²/hr)
	Print resolution	Up to 2400 x 1200 optimized dpi
	Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm) (borderless on photo roll media); Sheet: 0.2 x 0.67 x 0.2 x 0.2 in (5 x 17 x 5 x 5 mm)
	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	0.0015 in (0.04 mm) (HP-GL/2 addressable)
	Guaranteed minimum line width	0.0031 in (0.08 mm) (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
	Size	Rolls: 11 to 44 in (279 to 1118 mm) Sheets: 8.3 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm) Standard sheets: A, B, C, D, E, (A4, A3, A2, A1, A0)
	Thickness	Up to 31.5 mil (0.8 mm)
Applications		Line drawings, Renderings, Maps, Orthophotos, Point of sale/display, Graphics design, Office graphics, Posters, Photos, Digital fine art, Banners, Exhibition and event graphics, Lightboxes - film
Memory		64 GB (virtual),[11] 320 GB hard disk
Connectivity	Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot
	Print languages (standard)	Adobe PostScript® 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP PCL 3 GUI, HP-GL/2,[12] and HP-RTL[12]
	Printing paths	Printer driver, HP Embedded Web Server, direct printing from USB flash drive, email printing, HP DesignJet Click printing software
	Drivers (included)	HP-GL/2, HP-PCL3 GUI drivers for Windows and Mac OS X; PostScript® drivers for Windows, Linux, and Mac OS X
Dimensions (w x d x h)	Printer	69.7 x 30.5 in x 41.3 in (1770 x 775 x 1050 mm)
	Shipping	76 x 30.3 x 28.3 in (1930 x 770 x 720 mm)
Weight	Printer	190.7 lb (86.5 kg)
	Shipping	263.5 lb (119.5 kg)
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		Printer drivers, HP DesignJet Click, HP DesignJet Utility including HP ColorCenter, HP DesignJet Excel Accounting Tool
Environmental ranges	Operating temp.	41 to 104°F (5 to 40°C)
	Storage temp.	-13 to 131°F (-25 to 55°C)
	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 (≤ 23 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/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 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 73°F (23°C), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.

[8] 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 hp.com/go/mediasolutionslocator

[11] on 640 MB RAM.

[12] available only on HP Embedded Web Server.

[13] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. BMG 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.

[14] Can be recycled through commonly available recycling programs.

[15] Can be recycled according to region-specific practices. In North America, recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area).

[16] 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] 42 in x 150 ft (1067 mm x 45.7 m)
	Q1956A	HP Heavyweight Coated Paper (PEFC™ certified)[13][14] 42 in x 225 ft (1067 mm x 68.5 m)
	C0F20A	HP Everyday Adhesive Matte Polypropylene, 2 Pack 42 in x 75 ft (1067 mm x 22.9 m)
	Q8755A	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[13][15] 42 in x 200 ft (1067 mm x 61 m)
	J3E86A	HP Professional Matte Canvas 44 in x 50 ft (1118 mm x 15.2 m)
	CG460B	HP Premium Matte Photo Paper (FSC® certified)[13][14] 36 in x 100 ft (914 mm x 30.5 m)
Service and support	U9CS6E	HP 3 year Next Business Day Onsite Support with Defective Media Retention
	U9CS7E	HP 4 year Next Business Day Onsite Support with Defective Media Retention
	U9CS8E	HP 5 year Next Business Day Onsite Support with Defective Media Retention
	U9CS9PE	HP 1 year Post Warranty Next Business Day Onsite Support with Defective Media Retention
	U9CT0PE	HP 2 year Post Warranty Next Business Day Onsite Support with Defective Media Retention
	H4518E	HP Installation Service with Network Setup

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 consistency can help reduce unnecessary reprints
- Convenient, free HP ink cartridge and printhead recycling[1]
- FSC®-certified papers,[2] range of recyclable HP media with a take-back program[3]
- STAR ENERGY certified. Registered EPEAT Bronze[4] for environmentally preferable product

[1] Program availability. 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/hp/ecosolution for details.

[4] registered EPEAT 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