

HP Designjet Z6800 Photo Production Printer

The fastest 1524 mm (60-in) graphics production printer with unrivalled print quality.



Designed for speed and productivity

- Print as fast as 140 m²/hr (1,500 ft²/hr) in fast mode and 20 m²/hr (212 ft²/hr) in high-quality mode¹.
- Cut turnaround times and effortlessly handle large data loads thanks to high file-processing power.
- Create quality prints at top speed with HP Double Swath Technology and the HP Optical Media Advance Sensor.
- Confidently print unattended with heavy media rolls, 775-ml HP ink cartridges and a built-in take-up reel.

Unrivalled colour and black-and-white image quality

- Print exceptional colours – HP Vivid Photo Inks with a chromatic red offer a wide colour gamut and uniform gloss.
- Create unique black-and-white prints – three shades of black HP ink deliver rich density and smooth transitions.
- Offer your customers durable prints that last up to 200 years, using HP Vivid Photo Inks².
- Produce posters, photos, canvas prints, backlit signs, POP displays and maps with unrivalled image quality.

Advanced colour management backed by HP reliability

- Create custom ICC profiles and achieve colour accuracy with the embedded spectrophotometer and colour centre³.
- Achieve colour accuracy – complete coverage of SWOP, ISO, GRACOL, 3DAP, EUROSCALE, TOYO and FOGRA gamuts.
- Choose how you want to print – send jobs straight from preferred design applications or through third-party RIPs.
- Get colour reliability with HP Professional PANTONE[®] colour emulation and embedded Adobe[®] PostScript[®]/PDF⁵.

¹ Compared with large-format inkjet printers under €25,000 for graphic applications. Based on the fastest-rated colour speeds as published by manufacturers as of October 2013. Test methods vary.

² Using plain paper and fast mode, the HP Designjet Z6800 Photo Production Printer can achieve speeds up to 140 m²/hr (1500 ft²/hr). Using glossy paper and normal mode, the Z6800 can achieve print speeds up to 20 m²/hr (212 ft²/hr).

³ 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.

⁴ Embedded in this HP Designjet Printer is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.

⁵ HP Professional PANTONE[®] colour emulation and embedded Adobe[®] PostScript[®]/PDF upgrade kit sold separately.

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Technical specifications

Print	
Maximum Print speed	140 m ² /hr on plain media; Mechanical printing time. Printed in Fast mode, on HP Bright White Inkjet Paper (Bond) with HP Vivid Photo Inks.
Colour images	19.7 m ² /hr on glossy media
Print resolution	Up to 2400 x 1200 optimised dpi
Margins (top x bottom x left x right)	Roll: 5 x 5 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	Pigment-based
Ink colours	8 (1 each chromatic red, magenta, yellow, cyan, light grey, light magenta, matte black, photo black)
Ink drop	4 pl (Lm, lg, pK), 6 pl (R, M, Y, mK, C)
Print head nozzles	2112
Print Heads	4 pairs (2x matte black/chromatic red, 2x magenta/yellow, 2x light magenta/light cyan, 2x photo black/light grey)
Line accuracy	+/- 0.1% (+/- 0.1% of the specified vector length or +/- 0.2 mm (whichever greater) at 23°C, 50-60% relative humidity, on A0 HP Matte Film in Best or Normal mode with HP Vivid Photo Inks)
Minimum line width	0.02 mm (HP-GL/2 addressable)
Guaranteed minimum line width	0.067 mm (ISO/IEC 13660:2001 (E))
Maximum media roll weight	25 kg
Maximum optical density	4.5 L* min/2.31 D (with HP Premium Instant Dry Photo Gloss media with HP Vivid Photo Inks)
Media	
Handling	Roll feed; automatic cutter; take-up reel
Types	Bond and coated paper, technical paper, film, photographic paper, proofing paper, backlit, self-adhesive, banner and sign, fabric, fine art printing material
Weight	Up to 460 g/m ² depending on media type
Thickness	Up to 22 mil (0.56 mm)
Memory	
RAM	64 GB (virtual, based on 1 GB RAM)
Hard disk	320 GB
Connectivity	
Interfaces (standard)	Gigabit Ethernet (1000Base-T); EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect EIO print servers
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
Print languages (optional)	Adobe PostScript® 3; Adobe PDF 1.7; TIFF; JPEG
Drivers included	HP-GL/2, HP-RTL drivers for Windows; PostScript® Windows and Mac drivers with optional PostScript/PDF Upgrade Kit
Environmental ranges	
Operating temperature	5 to 40°C
Storage temperature	-20 to 55°C
Operating humidity	20 to 80% RH
Storage humidity	20 to 80% RH
Acoustic	
Sound Pressure	53 dB(A)
Sound Power	7.0 B(A)
Dimensions (w x d x h)	
Printer	2430 x 690 x 1370 mm
Packaged	2700 x 750 x 1200 mm
Weight	
Printer	190 kg
Packaged	252 kg
Power consumption	
Maximum	420 watts (maximum); 270 watts (printing); < 48 watts (ready); < 5 watts (sleep); < 0.3 watts (off)
Power requirements	Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 3 A; 50/60 Hz (+/- 3 Hz)

What's in the box

F2572A	HP Designjet Z6800 Photo Production Printer; spindle; printheads; introductory ink cartridges; maintenance cartridge; printer stand; take-up reel; 3-in spindle adaptor kit; quick reference guide; setup poster; startup software; power cord
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Certification

Safety	EU (LVD and EN 60950-1 compliant); Russia (GOST)
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	ENERGY STAR®; WEEE; EU RoHS; REACH; EPEAT Bronze
ENERGY STAR	Yes

Warranty

One-year limited hardware warranty.

Ordering information

Product

F2572A	HP Designjet Z6800 1524mm Photo Production Printer
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Accessories

G6H51A	HP Designjet HD Pro Scanner
CQ745B	HP Designjet PostScript/PDF Upgrade Kit
CQ754A	HP Designjet Z6200 1524 mm Spindle
J8025A	HP Jetdirect 640n Print Server
Q6714A	HP Designjet 1524mm Media Bin
Q6715A	HP Designjet User Maintenance Kit
E2P02A	HP SmartStream Preflight Manager for HP Designjet
K3L60A	HP SmartStream Print Controller for HP Designjet Z6200/Z6600/Z6800 Production Printers

Printheads

CE017A	HP 771 Matte Black/Chromatic Red Designjet Printhead
CE018A	HP 771 Magenta/Yellow Designjet Printhead
CE019A	HP 771 Light Magenta/Light Cyan Designjet Printhead
CE020A	HP 771 Photo Black/Light Gray Designjet Printhead

Ink supplies

C1Q37A	HP 773C 775-ml Matte Black Designjet Ink Cartridge
C1Q38A	HP 773C 775-ml Chromatic red Designjet Ink Cartridge
C1Q39A	HP 773C 775-ml Magenta Designjet Ink Cartridge
C1Q40A	HP 773C 775-ml Yellow Designjet Ink Cartridge
C1Q41A	HP 773C 775-ml Light Magenta Designjet Ink Cartridge
C1Q42A	HP 773C 775-ml Cyan Designjet Ink Cartridge
C1Q43A	HP 773C 775-ml Photo Black Designjet Ink Cartridge
C1Q44A	HP 773C 775-ml Light Gray Designjet Ink Cartridge
CH644A	HP 771 Designjet Maintenance Cartridge

Media supplies

Q8000A	HP Premium Instant-dry Satin Photo Paper-1524 mm x 30.5 m (60 in x 100 ft)
Q6578A	HP Universal Instant-dry Gloss Photo Paper-1524 mm x 30.5 m (60 in x 100 ft)
Q8707A	HP Artist Matte Canvas-1524 mm x 15.2 m (60 in x 50 ft)
Q8750A	HP Premium Vivid Color Backlit Film-1524 mm x 30.5 m (60 in x 100 ft)

Service & support

U1Z58E	- HP 2 year Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1Z59E	- HP 3 year Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1Z70E	- HP 5 year Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1Z72PE	- HP 1 year Post Warranty Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1Z71PE	- HP 2 year Post Warranty Next Business Day + Defective Media Retention Designjet Z6800 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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