



# HP DesignJet Z6800 Photo Production Printer

**Fastest 1524-mm (60-inch) graphics production printer with unrivaled print quality.**



## Designed for speed and productivity

- Print as fast as 140 m<sup>2</sup>/hr (1,500 ft<sup>2</sup>/hr) in Fast mode and 20 m<sup>2</sup>/hr (212 ft<sup>2</sup>/hr) in high-quality mode<sup>2</sup>.
- 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 thanks to long media rolls, 775-ml HP ink cartridges, and a built-in take-up reel.

## Unrivaled 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 Inks<sup>3</sup>.
- Produce posters, photos, canvas prints, backlit signs, POP displays and maps with unrivaled image quality.

## Advanced colour management backed by HP reliability

- Create custom ICC profiles and achieve colour accuracy with the embedded spectrophotometer and colour centre<sup>4</sup>.
- 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<sup>®</sup> colour emulation and embedded Adobe<sup>®</sup> PostScript<sup>®</sup>/PDF<sup>5</sup>.

**For more information, please visit**  
<http://www.hp.com/go/designjetz6800>

<sup>1</sup> Compared with large-format inkjet printers under \$25,000 USD for graphic applications. Based on the fastest-rated color speeds as published by manufacturers as of October 2013. Test methods vary.

<sup>2</sup> Using plain paper and Fast mode, the HP DesignJet Z6800 Photo Production Printer can achieve speeds up to 1500 ft<sup>2</sup>/hr (140 m<sup>2</sup>/hr). Using glossy paper and Normal mode, the Z6800 can achieve print speeds up to 212 ft<sup>2</sup>/hr (20 m<sup>2</sup>/hr).

<sup>3</sup> 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 and based on HP Vivid Photo inks. For more information, see <http://www.HPLFMedia.com>.

<sup>4</sup> 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.

<sup>5</sup> HP Professional PANTONE<sup>®</sup> color emulation and embedded Adobe<sup>®</sup> PostScript<sup>®</sup>/PDF upgrade kit sold separately.

## Technical specifications

<b>Print</b>	
Maximum print speed	140 m <sup>2</sup> /hr on plain media <sup>1</sup>
Colour images	<b>Best:</b> 3.2 min/page <sup>1</sup> on A1 or up to 19.7 m <sup>2</sup> /hr on glossy media <b>Normal:</b> 2.1 min/page <sup>1</sup> on A1 or up to 19.7 m <sup>2</sup> /hr on glossy media
Print resolution	Up to 2400 x 1200 optimized dpi
Margins	5 x 5 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	Pigment-based
Ink cartridges	8 (chromatic red, magenta, yellow, light cyan, light gray, light magenta, matte black, photo black)
Line accuracy	±0.1% <sup>2</sup>
Minimum line width	0.02 mm (HP-GL/2 addressable)
Guaranteed minimum line width	0.067 mm (ISO/IEC 13660:2001(E)) <sup>3</sup>
<b>Image quality</b>	
Colour accuracy	Median < 1.25 dE2000, 95% of colours < 2.75 dE2000 <sup>4</sup>
Short term colour stability	< 1 dE2000 in less than 5 minutes <sup>5</sup>
Long term print-to-print repeatability	Average < 0.5 dE2000, 95% of colours < 1.25 dE2000 <sup>5</sup>
Maximum optical density	4.5 L* min/2.31 D <sup>6</sup>
<b>Media</b>	
Handling	Roll feed; automatic cutter; take-up reel
Maximum media roll weight	Up to 460 g/m <sup>2</sup> depending on media type
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 <sup>2</sup> depending on media type
Size	279 to 1524 mm rolls
Thickness	Up to 0.56 mm
<b>Applications</b>	Posters; Banners; Mockups; Photos; Digital fine art; Proofs; Displays; POP/POS; Light boxes - film; Exhibition, event graphics
<b>Memory</b>	64 GB (virtual) <sup>7</sup> ; 320 GB hard disk
<b>Connectivity</b>	
Interfaces (standard)	Gigabit Ethernet (1000Base-T); EIO Jetdirect accessory slot
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
Printing paths	Printer driver, HP Embedded Web Server, HP DesignJet Click printing software
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
<b>Dimensions (w x d x h)</b>	
Printer	2430 x 690 x 1370 mm
Shipping	2700 x 750 x 1200 mm
<b>Weight</b>	
Printer	190 kg
Shipping	252 kg
<b>What's in the box</b>	
HP DesignJet Z6800 Photo Production Printer; spindle; printheads; introductory ink cartridges; maintenance cartridge; printer stand; take-up reel; 3-in spindle adapter kit; quick reference guide; setup poster; startup software; power cord	
<b>Environmental ranges</b>	
Operating temperature	5 to 40°C
Storage temperature	-20 to 55°C
Operating humidity	20 to 80% RH
<b>Acoustics</b>	
Sound pressure	53 dB(A) (active); 39 dB(A) (standby)
Sound power	7.0 B(A) (active); 5.5 B(A) (standby)
<b>Power</b>	
Consumption	270 watts (printing); < 48 watts (ready); < 5.3 watts (sleep); < 0.3 watts (off)
Requirements	Input voltage (auto ranging): 100-127 V (±10%), 5 A; 220-240 V (±10%), 3 A; 50/60 Hz (±3 Hz)
<b>Certification</b>	
Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia (GOST); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NVEE); Korea (KC)
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 (MSIP)
Environmental	ENERGY STAR, WEEE, RoHS (EU, China, Korea, India), REACH, EPEAT Bronze
<b>Warranty</b>	One-year limited hardware warranty.

## Ordering information

<b>Product</b>	
F2572A	HP DesignJet Z6800 1524-mm Photo Production Printer
<b>Accessories</b>	
CQ745B	HP DesignJet PostScript/PDF Upgrade Kit
CQ754A	HP DesignJet 60-in Spindle
Q6714A	HP DesignJet 60-in Media Bin
Q6715A	HP DesignJet User Maintenance Kit
G6H51B	HP HD Pro 42-in Scanner
J8025A	HP Jetdirect 640n Print Server
L3J79AAE	HP SmartStream Print Controller for HP DesignJet Z6200/6600/6800 Production
<b>Original HP printheads</b>	
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
<b>Original HP ink cartridges</b>	
CH644A	HP 771 DesignJet Maintenance Cartridge
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
<b>Original HP large format printing materials</b>	
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)
<b>Service and Support</b>	
<b>H4518E</b>	HP Network Installation Service with Network Setup
<b>U1Z12PE</b>	HP 1 year Post Warranty Next business day with Defective Media Retention
<b>U1Z11PE</b>	HP 2 year Post Warranty Next business day with Defective Media Retention
<b>U1Z58E</b>	HP 2 year Next business day with Defective Media Retention
<b>U1Z59E</b>	HP 3 year Next business day with Defective Media Retention
<b>U5A84E</b>	HP 4 year Next business day with Defective Media Retention
<b>U1Z10E</b>	HP 5 year Next business day with Defective Media Retention
<b>U1XV4E</b>	HP Preventive Maintenance Service

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](http://hp.com/go/designjetsupport).

Use Original HP inks and printheads to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system to provide precise line accuracy as well as dark blacks and true neutral grays. For more information, visit [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

### Eco Highlights

Breakthrough color consistency can help reduce unnecessary reprints.

Free, convenient HP ink cartridge and printhead recycling.<sup>1</sup>

FSC®-certified papers,<sup>2</sup> range of recyclable HP media with a take-back program.<sup>1</sup>

ENERGY STAR® qualified and EPEAT Bronze registered.<sup>3</sup>

<sup>1</sup> Program availability varies. Please check <http://www.hp.com/recycle> for details.

<sup>2</sup> BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>. Not all FSC®-certified products are available in all regions.

<sup>3</sup> EPEAT registered where applicable/supported. See <http://www.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](http://hp.com/ecosolutions)**

<sup>1</sup> Mechanical printing time

<sup>2</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C, 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Photo Inks

<sup>3</sup> Measured on HP Matte Film

<sup>4</sup> ICC absolute colourimetric accuracy on HP Premium Instant-dry Photo Paper with Original HP inks

<sup>5</sup> On HP Premium Instant-dry Gloss Photo Paper with Original HP inks, right after calibration

<sup>6</sup> With HP Premium Instant-dry Gloss Photo Paper and Original HP inks

<sup>7</sup> Based on 1 GB RAM

