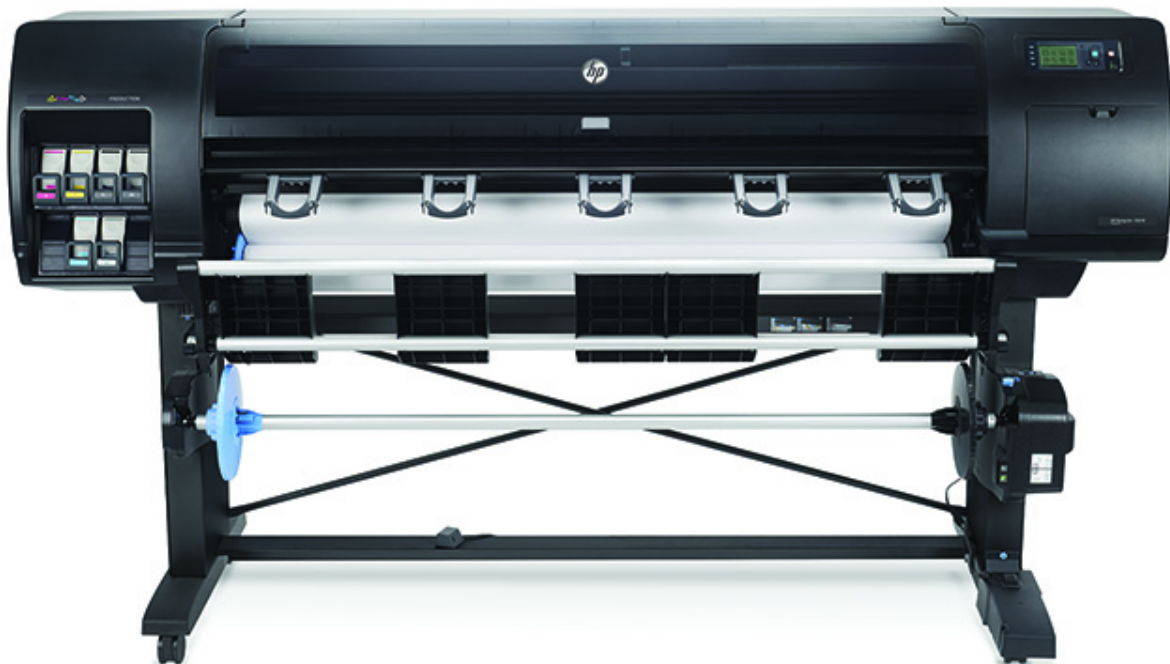# HP DesignJet Z6610 Production Printer

The fastest graphics production printing solution[1]

SHARP – High-quality, durable output

- Achieve high impact and clear readability from line drawings to posters, with optimised printheads.
- Maintain high quality with optimised maintenance routines.
- Work without concern for damage with water-/fade-resistant prints by HP Vivid Photo Inks.[2]

PRODUCTIVE – Handle production peaks

- Manage high workloads with print speeds up to 19.7 m²/h (212 ft²/h) on glossy and 140 m²/h (1506.9 ft²/h) on plain paper.[3]
- Handle more jobs with 500 GB hard disk capacity.
- Complete job after job with long media rolls, 775-ml HP ink cartridges, and a built-in take-up reel.

RELIABLE – Fits your current workflow

- Seamlessly integrate with the market-leading software.
- Improve operator efficiency with HP SmartStream job preparation and processing software.
- Enjoy one-click printing with HP Click printing software.[4]

For more information, please visit http://www.hp.com/go/designjetz6610

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[1] Compared with large-format inkjet printers under €25,000 for graphics applications. Based on the fastest-rated colour speeds as published by manufacturers as of June, 2017. Test methods vary.
[2] Performance may vary based on writing system differences. Print permanence estimates by HP Image Permanence Lab based on the same formulation of HP Vivid Photo Inks used with the HP DesignJet Z6200 Photo Production Printer, using 6 inks. 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. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab on a range of HP media. For more information, see http://www.HPLFMedia.com/printpermanence.
[3] Using glossy paper and normal mode, the HP DesignJet Z6610 Production Printer can achieve print speeds up to 19.7 m²/h (212 ft²/h). Using plain paper and Fast mode, the HP DesignJet Z6610 Production Printer can achieve speeds up to 140 m²/h (1506.9 ft²/h).
[4] 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.

Technical specifications

Print

Print speed	Fast-Economode: 140 m²/hr on plain media Normal: 26.3 m²/hr on coated media Best: 13.1 m²/hr on glossy media[1]
Print resolution	Up to 2400 x 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 x 5 mm
Ink types	Pigment-based
Printheads	6 (2x matte black/cyan, 2x magenta/yellow, 2x photo black/light gray)
Printhead nozzles	2112 per color
Line accuracy	±0.1%
Minimum line width	0.02 mm (HP-GL/2 addressable)
Short-term color stability	< 1 dE2000 in less than 5 minutes[4]
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colours < 1.25 dE2000[4]
Max optical density	4.5 L* min/2.31 D[4]

Media

Handling	Roll feed, automatic horizontal cutter, take-up reel
Roll size	279 to 1524 mm
Grammage	80 to 500 g/m²
Thickness	Up to 0.6 mm
Applications	Exhibition and event graphics; Graphics design; Indoor posters; Layouts and comps; Light boxes - paper; Line drawings; Maps; Office Graphics; Orthophotos; Photo maps; Photos; Point of sale/display; POP/POS; Posters; Presentations; Renderings; Schematics; Technical presentations
Memory	64 GB (virtual)[2]
Hard disk	500 GB

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T), EIO Jetdirect accessory slot
Native print languages	HP-GL/2, HP-RTL, CALS G4
Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG
Drivers	Raster driver for Windows PostScript driver for Windows and macOS with optional PostScript/PDF Upgrade Kit
Security features	SNMPv3, Control Panel lock levels, Certificates management, IPsec, SSL, Secure file erase, Secure disk erase

Dimensions (W x D x H)

Printer	2430 x 690 x 1370 mm
Shipping	2684 x 750 x 1200 mm

Weight

Printer	190 kg
Shipping	220 kg
What's in the box	HP DesignJet Z6610 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
HP Software and solutions	Free: HP Applications Center, HP Click, printer drivers, HP DesignJet Utility including HP Color Center, HP Partner Link Pay-per-use, HP Web JetAdmin Pay: HP SmartStream

Environmental ranges

Operating temperature	5 to 40ºC
Operating humidity	20 to 80% RH
Storage temperature	-20 to 55ºC

Acoustics

Sound pressure	53 dB(A) (operating), 39 dB(A) (idle), 39 dB(A) (sleep)
Sound power	7.0 B(A) (operating), 5.5 B(A) (idle), 5.5 B(A) (sleep)

Power

Consumption	270 W (printing); < 48 W (ready); < 5.3 W (sleep); < 0.3 W (off)
Requirements	Input voltage (auto ranging): 100-127 V (±10%), 5 A; 220-240 V (±10%), 3 A; 50/60 Hz (±3 Hz)

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; RoHS (EU); REACH; EPEAT Bronze
Warranty	One-year limited hardware warranty

Ordering information

Product

2QU13A	HP DesignJet Z6610 60-in Production Printer

Accessories

5EK00A	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
CQ745C	HP DesignJet PostScript/PDF Upgrade Kit
CQ754A	HP Designjet Z6200 60-in Spindle
L3J69AAE	HP SmartStream Preflight Manager
L3J79AAE	HP SmartStream Print Controller for HP DesignJet Z6xx0 Production Printers
Q6714A	HP DesignJet 60-in Media Bin
Q6715A	HP DesignJet User Maintenance Kit

Original HP printing supplies

P2V99A	HP 774 Magenta/Yellow DesignJet Printhead
P2W00A	HP 774 Photo Black/Light Gray DesignJet Printhead
P2W01A	HP 774 Matte Black/Cyan DesignJet Printhead
C1Q37A	HP 773C 775-ml Matte Black DesignJet Ink Cartridge
C1Q39A	HP 773C 775-ml Magenta DesignJet Ink Cartridge
C1Q40A	HP 773C 775-ml Yellow 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

Use Original HP inks and printheads, and HP large format printing materials, 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, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit hp.com/go/OriginalHPinks.

Original HP large format printing materials

CH027A HP Everyday Matte Polypropylene, 2 Pack 1524 mm x 30.5 m (60 in x 100 ft)
E4J58B HP Artist Matte Canvas 1524 mm x 15.2 m (60 in x 50 ft)
Q6630B HP Super Heavyweight Plus Matte Paper (FSC® certified)[5] (Recyclable)[6] 1524 mm x 30.5 m (60 in x 100 ft)
Q8000A HP Premium Instant-dry Satin Photo Paper (FSC® certified)[5] (Recyclable)[6] 1524 mm x 30.5 m (60 in x 100 ft)
Q8750A HP Premium Vivid Colour Backlit Film 1524 mm x 30.5 m (60 in x 100 ft)

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

Service and Support

U9ZK0E HP 2 year Next Business Day plus Defective Media Retention Support
U9ZK1E HP 3 year Next Business Day plus Defective Media Retention Support
U9ZK2E HP 4 year Next Business Day plus Defective Media Retention Support
U9ZK3E HP 5 year Next Business Day plus Defective Media Retention Support
U9ZK4PE HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support
U9ZK5PE HP 2 year Post Warranty, Next Business Day plus Defective Media Retention Support
H4518E HP Installation Service with Network Setup

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

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[1] Maximum rate of output for colour image 100% colour coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
[2] Based on 1 GB RAM.