

HP DesignJet Z6600 Production Printer



The fastest 1524 mm (60-in) graphics production printer with efficient operation.



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 mode².
- 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.

High-impact image quality

- Achieve smooth colour tones thanks to HP Multi-Dimensional Smart Drop Placement Technology.
- 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 Inks³.
- Print a wide range of jobs – from posters, photos and signs to canvas and backlit prints – on many substrates.

Efficient operation with a 6-ink printing system

- Print up to 30% more efficiently using a 6-ink printing system with an optimized configuration⁴.
- Choose how you want to print – send jobs right from preferred design applications or through third-party RIPs.
- Ensure image quality – and reduce cleaning and waste – using automatic drop detection and intelligent masking.
- Gain colour reliability with HP Professional PANTONE[®] colour emulation and embedded Adobe[®] PostScript[®]/PDF⁵.

For more information, please visit
<http://www.hp.com/go/designjetz6600>

¹ 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.

² Using plain paper and Fast mode, the HP DesignJet Z6600 Production Printer can achieve speeds up to 1500 ft²/hr (140 m²/hr). Using glossy paper and Normal mode, the Z6600 can achieve print speeds up to 212 ft²/hr (20 m²/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 and based on HP Vivid Photo inks. For more information, see <http://www.HPLFMedia.com>.

⁴ The HP DesignJet Z6600 Production Printer uses 30% less ink than the HP DesignJet Z6100 Printer (demonstrated by internal HP tests on glossy media in Production mode).

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

Technical specifications

Print	
Maximum print speed	140 m ² /hr ¹
Colour images	Best: 3.2 min/page on A1 or up to 13.1 m ² /hr on glossy media Normal: 2.1 min/page on A1 or up to 19.7 m ² /hr on glossy media
Print resolution	Up to 2400 x 1200 optimized dpi
Margins	5 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	Pigment-based
Ink cartridges	6 (cyan, magenta, yellow, light gray, matte black, photo black)
Line accuracy	±0.1% ²
Minimum line width	0.02 mm (HP-GL/2 addressable)
Guaranteed minimum line width	0.067 mm (ISO/IEC 13660:2001(E)) ³
Image quality	
Colour accuracy	Median < 1.25 dE2000, 95% of colours < 2.75 dE2000 ⁴
Short term colour stability	< 1 dE2000 in less than 5 minutes ⁴
Long term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.25 dE2000 ⁵
Maximum optical density	4.5 L* min/2.31 D ⁶
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
Size	279 to 1524-mm rolls
Thickness	Up to 0.56 mm
Applications	Posters; Banners; Mockups; Photos; Digital fine art; Banners; Exhibition, event graphics; Light boxes – film; Point of sale/display
Memory	64 GB (virtual) ⁷ ; 320 GB hard disk
Connectivity	
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
Dimensions (w x d x h)	
Printer	2430 x 690 x 1370 mm
Shipping	2700 x 750 x 1200 mm
Weight	
Printer	190 kg
Shipping	251 kg
What's in the box	HP DesignJet Z6600 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
Software available	Printer driver, HP DesignJet Click, HP DesignJet Utility including HP Color Center
Environmental ranges	
Operating temperature	5 to 40°C
Storage temperature	-20 to 55°C
Operating humidity	20 to 80% RH
Acoustics	
Sound pressure	53 dB(A) (active); 39 dB(A) (standby)
Sound power	7.0 B(A) (active); 5.5 B(A) (standby)
Power	
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)
Certification	
Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia (GOST); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NVC); 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
Warranty	One-year limited hardware warranty

Ordering information

Product	
F2571A	HP DesignJet Z6600 1524-mm Production Printer
Accessories	
G6H51B	HP HD Pro 42-in Scanner
CQ745B	HP DesignJet PostScript/PDF Upgrade Kit
CQ754A	HP DesignJet 60-in Spindle
J8025A	HP Jetdirect 640n Print Server
Q6714A	HP DesignJet 60-in Media Bin
Q6715A	HP DesignJet User Maintenance Kit
L3J69AAE	HP SmartStream Preflight Manager
L3J79AAE	HP SmartStream Print Controller for HP DesignJet Z6200/6600/6800 Production
Original HP printheads	
C1Q20A	HP 773 Matte Black/Cyan DesignJet Printhead
CE018A	HP 771 Magenta/Yellow DesignJet Printhead
CE020A	HP 771 Photo Black/Light Gray DesignJet Printhead
Original HP ink cartridges	
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
Original HP large format printing materials	
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 and Support	
H4518E	HP Network Installation Service with Network Setup
U1ZNOPE	HP 1 year Post Warranty Next business day with Defective Media Retention
U1ZNIPE	HP 2 year Post Warranty Next business day with Defective Media Retention
U1ZM7E	HP 2 year Next business day with Defective Media Retention
U1ZM8E	HP 3 year Next business day with Defective Media Retention
USAB5E	HP 4 year Next business day with Defective Media Retention
U1ZM9E	HP 5 year Next business day with Defective Media Retention
U1XV4E	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 .	

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.

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

Eco Highlights

Breakthrough color consistency can help reduce unnecessary reprints.

Free, convenient HP ink cartridge and printhead recycling.¹

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

ENERGY STAR® qualified and EPEAT Bronze registered.³

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

² 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.

³ 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

¹ Mechanical printing time

² ±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

³ Measured on HP Matte Film

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

⁴ With HP Premium Instant-dry Gloss Photo Paper and Original HP inks, right after calibration

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

⁶ On HP Premium Instant-dry Gloss Photo Paper with Original HP inks

⁷ Based on 1 GB RAM

