Designed for speed and productivity

- Print as fast as 1500 ft²/hr (140 m²/hr) in fast mode and 212 ft²/hr (20 m²/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 color 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 Ink§
- 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 your preferred design applications or through third-party RIPs
- Ensure image quality—and reduce cleaning and waste—using automatic drop detection and intelligent masking
- Gain color reliability with HP Professional PANTONE® color emulation and embedded Adobe® PostScript®/PDF

Eco Highlights

- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling¹
- FSC®-certified papers,² range of recyclable HP media with a take-back program
- ENERGY STAR® qualified and EPEAT Bronze registered³

Please recycle large-format printing hardware and printing supplies. Find out how at our website hp.com/ecosolutions

¹ Program availability varies. 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 EPEAT registered where applicable/supported. See epeat.net for registration status by country.
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.

1. With Aurasma installed, please go to the HP Designjet channel http://auras.ma/s/ke25m
2. Without Aurasma installed, please download it:
   Once done, go to the HP Designjet channel http://auras.ma/s/ke25m
3. Open the application and point to the image to view the HP Designjet video

LynnImaging.com 859.255.1021
The HP Designjet printing system

Turn orders in record time with the fastest 60-inch production printer for graphics\(^6\). Efficiently produce outstanding color and black-and-white prints with 6 HP Vivid Photo Inks. Rely on powerful performance from an easy-to-use printer.

**Outstanding speed**

**HP Double Swath Technology** provides breakthrough speed and performance. The HP Designjet Z6600 Production Printer includes two sets of three HP 771 and HP 773 Designjet Printheads, creating a wide print swath—up to 1.67 inches/42.5 mm—and a high firing frequency to deliver prints with amazing speed. Six bi-color printheads feature 1,056 nozzles per color, 1200 nozzles per inch, and small drop volumes for top photo quality.

The **HP Optical Media Advance Sensor (OMAS)** allows you to print at top speeds and still get great output results. This breakthrough technology improves paper-advance control and accuracy, so the printer can print at higher speeds across multiple environmental conditions without impairing image quality.

**Efficient and unattended operation**

Gain efficient operation using a six-ink printing system with an optimized configuration. Print from your favorite design applications or through third-party RIPs. Ensure image quality and reduce cleaning and waste using automatic drop detection and intelligent masking.

The **HP Multi-dimensional Smart Drop Placement Technology** enables the highest quality possible for a 6-ink system while guarding against potential media-feed or drop-placement errors.

The optimal combination of inks for each RGB or CMYK pixel is obtained using a dithering algorithm, which depends on the pixel tone rather than each individual color. Printed results are then optimized in terms of color gamut, smooth color transitions, and minimal image grain. After this step, the resulting image resolution is expanded to control more precisely each drop placement and to spread drops between the different passes using frequency-analysis methods that minimize ink-media interactions (dot visibility, coalescence, bleeding, etc.) and artifacts related to dot-placement errors.

**Intelligent masking** saves time, ink, and media by reducing reprints and extending printhead life. In multi-pass print modes, dots in every scan row can be printed by different physical nozzles on different passes.

Failing nozzles are identified by the embedded **Optical Drop Detector**. These are then flagged “do not use” because of misdirected drops, weak drops (low drop weight or drop velocity), or non-operation. Only “good” nozzles are used at each print location so banding and image quality defects are eliminated. After printing, the printer automatically performs recovery routines to restore failed nozzles during printhead service station cycles, saving time, ink, and the hassle of manual user interventions.

**HP Vivid Photo Inks**

Create impressive long–lasting images in color and black-and-white with rich optical density and smooth transitions using **HP Vivid Photo Inks**. Print on many substrates to deliver a wide range of jobs such as posters, canvas prints, and POP signs. HP Designjet printheads are designed together with HP Vivid Photo inks to provide precise, accurate placement of smaller drops and high speed. Each printhead prints two colors of ink with 1,056 nozzles per color.

---

\(^6\) 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.
Exceptional image quality that increases your offering

Retail POP/POS
Create appealing advertising posters, displays, window graphics and backdrops, that can influence shoppers' decisions. High-quality printing on a wide variety of media can help you gain a competitive edge.

Exhibition and Event Graphics
Grab attention at exhibitions and events with eye-catching top-quality graphics. Print a variety of applications, from roll-up banners and pop-up banners to backlit signs and posters, with outstanding print quality.

Professional Photography and Digital Fine Art
Produce dazzling fine art reproductions for galleries and artists with high-quality digital printing. Long lifespan and fade resistance keep prints in top viewing condition on a range of printing materials from canvas to high-end professional photo and fine art papers.

Maps and Orthophotos
Communicate clearly with excellent image and line quality on all your prints from drawings to satellite and aerial photos, maps, and more.

Renderings, Posters and Presentations
Print large-format drawings, schematics, renderings, and presentations with great ease, speed, sharp details and vibrant quality—all at low running costs.

Line Drawings
Print anything from simple CAD drawings to complex color documents with high speed and outstanding image quality. Bring your vision to life with drawings full of fine detail, enabled by precise line accuracy.

HP-certified RIP solutions
The HP Designjet Z6600 Production Printer and the HP Designjet Z6800 Photo Production Printer offer an exceptional range of HP-certified third-party RIP solutions and workflow products whatever your application needs that will help you meet to your essential performance expectations. Learn more at hp.com/go/DesignjetRIPs.

Trust HP Services
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.

HP Vivid Photo Inks
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.7
For more information, visit hp.com/go/OriginalHPinks.

For the entire HP Large Format Printing Materials portfolio, please see globalBMG.com/hp.

---

7 Display permanence rating for interior displays/away from direct sunlight, under glass by HP Image Permanence Lab and/or by Wilhelm Imaging Research, Inc. on a range of HP media. See globalBMG.com/hp.
Technical specifications

Print

Max print speed³
140 m²/h (1500 ft²/h) on plain media

Color images¹
Best: 3.2 mm/page on A1/D or up to 1.1 m²/h (141 ft²/h) on glossy media
Normal: 2.1 mm/page on A1/D or up to 1.9 m²/h (21.2 ft²/h) on glossy media

Print resolution
Up to 2400 x 1200 optimized dpi

Margins
5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in)

Ink types
6 (cyan, magenta, yellow, light gray, matte black, photo black)

Technology
HP Thermal Inkjet

Capacity
HP cartridges (standard) Gigabit Ethernet (1000Base-T), EIO Jetdirect accessory slot

Connectivity

Handling
Roll feed, automatic cutter, take-up reel

Media
Bond and coated paper, technical paper, film, photographic paper, proofing paper, back-up, sell-adhesive and sign, fabric, fine art printing materials

Dimensions (w x d x h)
2430 x 690 x 1370 mm (95.7 x 27.2 x 53.9 in)

Weight
190 kg (419 lb)

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

Environmental

Operating range
5 to 40°C (41 to 104°F)

Storage temperature
-20 to 60°C (-4 to 131°F)

Acoustic
Sound pressure
53 dBA (printing), 39 dBA (ready), 39 dBA (sleep)

Power
Consumption
2.10 watts (printing), < 48 watts (ready), < 5.3 watts (sleep), < 0.3 watts (off)

Requirements
Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 5 A; 50/60 Hz (+/- 3 Hz)

Certification
Safety
USA and Canada (CSA certified), EU (LVD and EN 60950-1), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KOMI)

Environmental
ENERGY STAR, WEEE, ROHS, EUU, China, Korea, India, REACH, EPEAT Bronze

Warranty
One-year limited hardware warranty

Ordering information

Product
F2571A HP Designjet Z6600 60-in Production Printer (not available in Latin America)

Accessories
Q6451A HP Designjet HD Pro Scanner
Q2745B HP Designjet PostScript/PDF Upgrade Kit
Q3744A HP Designjet 60-in Sandare
J8025A HP Jetdirect 640n Print Server
Q6714A HP Designjet 60-in Media Bin
Q6715A HP Designjet User Maintenance Kit

Original HP print heads
C12Q0A HP 773J Matte Black and Cyan Designjet Printhead
C12Q1A HP 773J Cyan and Magenta Designjet Printhead
C12Q2A HP 773J Yellow and Magenta Designjet Printhead
C12Q3A HP 773J Matte Black and Yellow Designjet Printhead
C12Q4A HP 773J Cyan and Yellow Designjet Printhead

Original HP ink cartridges and maintenance supplies

Original HP ink cartridges
C1Q24A HP 773A 775-ml Yellow Designjet Ink Cartridge
C1Q23A HP 773A 775-ml Magenta Designjet Ink Cartridge
C1Q22A HP 773A 775-ml Cyan Designjet Ink Cartridge
C1Q21A HP 773A 775-ml Matte Black Designjet Ink Cartridge

Original HP ink cartridges
C1Q26A HP 773A 775-ml Cyan Designjet Ink Cartridge
C1Q27A HP 773A 775-ml Photo Black Designjet Ink Cartridge
C1Q28A HP 773A 775-ml Light Gray Designjet Ink Cartridge

Original HP large format printing materials
Q8000A HP Premium Instant-dry Satin Photo Paper (FSC® certified)² 1524 mm x 30.5 m (60 in x 100 ft)
Q8578A HP Universal Instant-dry Glossy Photo Paper (FSC® certified)² 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 (FSC® certified)² 1524 mm x 30.5 m (60 in x 100 ft)

Service and support

H4518E HP Installation Service with Network Setup
U1ZM8E HP 3 years Next Business Day Onsite Support with DMR*¹
U1Z08E HP 2 years Next Business Day Onsite Support with DMR*¹
U1Z09E HP 2 years Next Business Day Onsite Support with DMR*¹
U1Z09E HP 2 years Next Business Day Onsite Support with DMR*¹
U1Z09E HP 2 years Next Business Day Onsite Support with DMR*¹
U1Z09E HP 2 years Next Business Day Onsite Support with DMR*¹

For more information, please visit hp.com/go/DesignjetZ6600

Data sheet | HP Designjet Z6600 Production Printer

© Copyright 2014 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Adobe, PostScript, and Adobe PostScript are trademarks of Adobe Systems Incorporated. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. Windows is a U.S. registered trademark of Microsoft Corporation. Mac and the Mac logo are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.

June 2014, Rev. 1

For more information, please visit hp.com/go/DesignjetZ6600

¹ Based on 1 GB RAM. Expandable to 1.5 GB RAM through a Designjet qualified SODIMM included only in the optional HP Designjet PostScript/PDF Upgrade Kit accessory.
² Only in selected U.S. channels.
³ BMG trademark license code FSC®-C115139, see bmgsan.com. HP trademark license code FSC®-CD17543, see bmgsan.com. Not all FSC®-certified products are available in all regions.
⁴ In North America, recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area).
⁵ HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area.
⁶ Display permanence rating for interior displays/away from direct sunlight, under glass by HP Image Permanence: Lab and/or by Wilhelm Imaging Research, Inc. on a range of HP media with Original HP Inks. See globalBMG.com/hp.

* Defective Media Retention keeps your service data safe. To comply with security regulations you can keep the defective hard drive or data-destroy memory component while getting a new replacement disk or memory.

Service and support offers 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.