

t y u d o p j l z v g j l z v n j g j l z v n j l z v c
j l z f n s s f h k x c b m d y u i o p a d g j l m d o
t e r l y u u i o p a d o p a n s f h k x c q w e p a l
r t y e i o o c o n s i s t e n c y c b m w e r t o s o
z v n x f h h d g j l z v n j o p a d o p j l z v n j r
j l h i x c c b m d i e z x m w e r o p a d g j l x m f
w e o b a d d o p a d g j l z j l z h k x c q w e l z i
r t e i x m m a o s q w e r t v n s c b m w e r t r t d
z v g l l z z v n j g j l z v t y u d o p j l z v z v e
f h k i c b m d p a d g j e r t y u i o s f h k q w e l
l z p t d o p a k x c q w l z v n s f h j l z v i e z i
e z z y m a o s b m w e r n s f h k x c i e z x d g j t
g j j l z v n j o p j l z y u i o p a d d g j l q w e y
v n d i e z x m p a d g j o p q w e r o n v n s g j l z
t y a d g j l z k x c q w h k g j l z h y t y u a d g j
u i s q w e r t a p p l i c a t i o n s i u i o v c q w
s f j g j l z v o p j l z d o r t y u d f s f h y w e r
x m u i o p a q u a l i t y y u j l z v z x m a n j l z
l z l o n g e v i t y i o v n s w e r t j l z v g j l m
r t k x c b m w i o o i e f h k r t y u e r t y q w e p
z v p a d
j l e r o
w e l z h
r a n s c
z c y u d
c c m d i
d u p a d
m r o s q w e r t y u i e z x z v n s f h k x c b m w e
z a n j g j l z v n s d g j l r t y u i o p a d o p j l
e c x m a d g j l z v t e c h n o l o g y e r a p a d g
g y l z v c q w e r v e r s a t i l i t y l z r k x c q
w e r t y w e r t y u i u i o k x c b z v n s z b m w e
j l z v n j l z v n s f s f h p q d o r t y u m o p j l
o p a d g j l m d i e z x m g e u t y u j l z u n s s f
h k x c q w e p a d g j l z r l a v n s w e r p y u u i
c b m w e r t o s e n v i r o n l e n t r t y k i o o i
d o p j l z v n j g j l z v w y i i o p z
o p a d g j l x m a d g j l z o t q w e j
h k x c q w e l z v c q w e r h y g j l w
c b m w e r t r t y w e r t y c b z v n r
d o p j v i v i d p h o t o i n k s o n s



HP DesignJet Z-series Printers: **help me choose**



HP DesignJet
25 years reinventing design

High-impact graphics printers



Ideal for:

Copy shops, small PSPs, corporate enterprise, public sector, and retailers.

Your needs:

An easy-to-use, high-impact graphics printer - to print tactical and high quality POP/POS, posters, canvas, roll-up banners, information graphics, GIS, or technical drawings - either to sell or for personal business use, effortlessly and affordably.

6 Original HP Vivid Photo Inks

HP high-impact graphics printers have a 6-ink configuration using pigment-based HP Vivid Photo Inks. This configuration is optimized to produce high-impact, eye-catching graphics that are not only water and scratch resistant, but also fade resistant up to 200 years.

4 HP DesignJet Dye Inks

This 4 colors dye ink configuration seamlessly integrates this printer into your current environment enabling you to continue using the inks you rely on. Combining this ink configuration with the new dual-channel, single-color printhead that is optimized for dye-ink printing keep printing costs low. Enables you to expand your offerings by printing backlit graphics, POP signs, roll-up banners, and indoor signs in vivid color.



Z-series printing solutions specs comparison	New HP DesignJet Z2600 PostScript® Printer	New HP DesignJet Z5600 PostScript® Printer	HP DesignJet Z5400 PostScript® Printer ¹⁷	HP DesignJet Z6600 Production Printer	HP DesignJet D5800 Production Printer ¹⁶
Customer type	Copy shops and retailers for both graphics and technical applications	Copy shops, corporate enterprises/public sector, and retailers for both graphics and technical applications	Copy shops, in-store signage, and AEC	Copy shops, print service providers	Low end PSPs in Asia Pacific emerging markets
Product description	HP's most affordable 24-inch high-impact graphics printer ²	Quick and efficient multi-roll, 44-inch high-impact graphics printing	The first multi-roll printer for graphics to produce high-quality, long-lasting prints efficiently	The fastest 60-in graphics production printer with efficient operation ³	The fastest 60-inch dye-ink production printer for nonstop operation ³
Ink cartridges	6 C, M, Y, mK, pK, R	6 C, M, Y, mK, pK, R	6 C, M, Y, mK, pK, lg	6 C, M, Y, mK, pK, lg	4 C, M, Y, K
Inks	HP Vivid Photo Inks	HP Vivid Photo Inks	Original HP Photo Inks	HP Vivid Photo Inks	HP DesignJet Dye Inks
Media types	Bond and coated, backlit, banner and sign, self-adhesive, photographic, and fine art printing material	Bond and coated, backlit, banner and sign, self-adhesive, photographic, and fine art printing material	Bond and coated, backlit, banner and sign, self-adhesive, canvas, photographic, proofing, and fine art printing material	Bond and coated, technical paper, backlit, banner and sign, self-adhesive, film, canvas, photographic, proofing, and fine art printing material	Coated, technical paper, backlit, banner and sign, self-adhesive, and photographic
Media handling - input	Sheet feed, roll feed	Two automatic roll feeds, smart roll-switching, sheet feed	Two automatic roll feeds, smart roll switching, sheet feed	Roll feed	Roll feed
Media handling - output	Media bin, ¹² automatic cutter (cuts all HP Z-series printer qualified media except canvas) ⁴	Media bin, automatic cutter (cuts all HP Z-series printer qualified media except canvas) ⁴	Media bin, automatic cutter (cuts all HP Z-series printer qualified media except canvas and banners)	Automatic cutter (cuts all HP Z-series printer qualified media except canvas), ⁴ take-up reel	Automatic cutter (cuts all HP Z-series printer qualified media except canvas) ⁴ , take-up reel (optional)
Maximum roll width	610 mm (24 inch)	1118 mm (44 inch)	1118 mm (44 inch)	1524 mm (60 inch)	1524 mm (to 60 inch)
Print resolution	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi
Maximum print speed	43 m ² /hr (469 ft ² /hr) ⁵	60 m ² /hr (650 ft ² /hr) ⁵	53 m ² /hr (570 ft ² /hr) ⁵	140 m ² /hr (1500 ft ² /hr) ⁵	128 m ² /hr (1378 ft ² /hr) on plain media ⁵
Compatible with standard domestic electrical sources	✓	✓	✓	✓	✓
Embedded Adobe PostScript®/PDF®	✓	✓	✓	Optional	Optional
HP Professional PANTONE® color emulation	✓	✓	✓	Available with PostScript® upgrade kit	Available with PostScript® upgrade kit
Ability to print without RIP	✓	✓	✓	✓	✓
HP DesignJet Click printing software	✓	✓	✓	✓	✓
Memory	8 GB (virtual), ⁶ 160 GB hard disk	64 GB (virtual), ⁶ 320 GB hard disk	64 GB (virtual), ¹³ 320 GB hard disk	64 GB (virtual), ⁷ 320 GB hard disk	64 GB (virtual), ⁷ 320 GB hard disk
Embedded spectrophotometer⁸	No	No	No	No	No
<small>Embedded spectrophotometer including closed-loop color calibration for the right color each and every time</small>					
HP Optical Media Advance Sensor (OMAS)	No	No	No	✓	✓
<small>Allows you to print at top speeds and still get great output results</small>					

Professional photo-quality printers

Ideal for:

Photographers, PSPs, photofinishers, graphic design studios, advertising agencies, and pre-press houses.

Your needs:

Production of professional photo and gallery-quality photo and gallery-quality fine art prints, photo enlargements, or concept and contract proofs on a wide variety of media. A wide color gamut and confidence that colors can be reproduced accurately and reliably every time.



8 Original HP Vivid Photo or HP Photo Inks

Provides improved color gamut for professional photo-quality prints that require light colors to reproduce soft skin tones and smooth transitions and neutral grays, for stunning color and black-and-white prints.

12 Original HP Photo Inks

To produce gallery-quality fine art reproductions or contract proofs. Twelve HP Photo Inks provide the widest color gamut,¹⁸ superior gloss uniformity, and minimize bronzing,⁹ to provide fine detail that can satisfy even the most discerning art lover.



HP DesignJet Z2100 Photo Printer series



HP DesignJet Z5200 Photo Printer



HP DesignJet Z6200 Photo Production Printer



HP DesignJet Z6800 Photo Production Printer



HP DesignJet Z3200 Photo Printer series

Copy shops, photo labs, professional photographers, and graphic designers

Copy shops, photo labs, professional photographers, and graphic designers

Copy shops, print service providers, and photo labs

Copy shops, print service providers, photo labs, and photo finishers

Photo labs, professional photographers, and graphic designers

HP's affordable 8-ink printer to produce durable prints

Professional 8-ink PostScript® printer designed for outstanding graphic applications

Fastest 42-in graphics production printer with unrivaled print quality¹⁰

Fastest 60-in graphics production printer with unrivaled print quality³

The most advanced 12-ink printer¹¹ for gallery-quality prints

8 C, M, Y, mK, pK, lg, lm, lc

8 C, M, Y, mK, pK, lg, lm, lc

8 M, Y, mK, pK, lg, lm, lc, R

8 M, Y, mK, pK, lg, lm, lc, R

12 M, Y, mK, pK, lg, lm, lc, R, G, GN, B, Gloss Enhancer (E)

HP Photo Inks

HP Photo Inks

HP Vivid Photo Inks

HP Vivid Photo Inks

HP Photo Inks

Photographic, proofing, fine art printing material, bond and coated, backlit, sign and banner, and self-adhesive

Photographic, proofing, fine art printing material, canvas, bond and coated, backlit, sign and banner, and self-adhesive

Bond and coated, technical paper, backlit, banner and sign, self-adhesive, film, canvas, photographic, proofing, and fine art printing material

Bond and coated, technical paper, backlit, banner and sign, self-adhesive, film, canvas, photographic, proofing, and fine art printing material

Photographic, proofing, fine art printing material, coated, backlit, and display-graphic printing materials

Sheet feed, roll feed

Sheet feed, roll feed

Roll feed

Roll feed

Sheet feed, roll feed

Media bin,¹² automatic cutter (cuts all HP Z-series printer qualified media except canvas)⁴

Media bin, automatic cutter (cuts all HP Z-series printer qualified media except canvas)⁵

Automatic cutter (cuts all HP Z-series printer qualified media except canvas),⁴ media bin, take-up reel (optional)

Automatic cutter (cuts all HP Z-series printer qualified media except canvas),⁴ take-up reel

Media bin,¹² automatic cutter (cuts all HP Z-series printer qualified media except canvas)⁴

**610 mm (24 inch)¹⁷
1118 mm (44 inch)**

1118 mm (44 inch)

1067 mm (42 inch)

1524 mm (60 inch)

**610 mm (24 inch)
1118 mm (44 inch)**

Up to 2400 x 1200 optimized dpi

Up to 2400 x 1200 optimized dpi

Up to 2400 x 1200 optimized dpi

Up to 2400 x 1200 optimized dpi

Up to 2400 x 1200 optimized dpi

14 m²/hr (150 ft²/hr)⁵

41 m²/hr (445 ft²/hr)⁵

113 m²/hr (1225 ft²/hr)⁵

140 m²/hr (1500 ft²/hr)⁵

17 m²/hr (182.9 ft²/hr)⁵



No



Optional

Optional



No



Available with PostScript® upgrade kit

Available with PostScript® upgrade kit



Standard 128 MB, 80 GB hard disk

32 GB (virtual),¹³ 160 GB hard disk

32 GB (virtual),⁷ 160 GB hard disk

64 GB (virtual),⁷ 320 GB hard disk

Standard 256 MB, 80 GB hard disk



No

No



No

Understanding your printer specifications

HP ink cartridges	Choose the cartridge size that best meets your printing volumes, whether for occasional print usage or higher volume/unattended print environments
Original HP inks	HP Photo Inks are aqueous pigment-based inks, specially formulated for photo-quality printing; these inks produce water- and fade-resistant prints that can last up to 200 years; ¹⁴ achieve faster drying and enhanced image scratch and water resistance. Reduced bronzing is also available with HP Vivid Photo Inks
Maximum roll width	Choose your printer size based on the maximum size of the print that you want to produce or select a larger media width when you wish to print multiple images side-by-side to save media
Print resolution	Enhanced image detail and reduced grain with higher print resolution
Maximum print speed	Become more productive or offer your customers faster turnaround times with higher print speeds
Adobe PostScript®/PDF support and HP Professional PANTONE® color emulation	Designed in cooperation with graphic artists and pre-press professionals, HP Professional PANTONE® color emulation with Adobe PostScript®/PDF support mimics the color choices professionals make when visually optimizing color matches to provide you with better color accuracy and reliability
Ability to print without RIP	No additional software required, meaning no extra costs or training required—just simple, fast printing; print direct using the printer driver, HP Embedded Web Server, HP Instant Printing PRO software, HP DesignJet Click printing software, or via USB 2.0
HP DesignJet Click printing software	For customers with more advanced color management, ICC profile management, image positioning or post-printing finishing requirements, HP has certified a number of Raster Image Processors (RIPs) to handle even the most complex jobs; refer to hp.com/go/designjet for a full list of HP certified RIPs
HP DesignJet Click printing software	Printing is easy with HP DesignJet Click printing software; with one click, you can print PDF, JPEG, TIFF, and HP-GL/2 files; ¹⁵ produce a range of graphics and technical applications, and use automatic features to optimize media usage and help cut costs
Memory	Save time by sending multiple large, complex files to the printer all at once and save files locally on your printer for reprinting later
Embedded spectrophotometer ⁸	Generates custom ICC profiles automatically for your preferred paper types, then calibrates the printer to deliver print-to-print and printer-to-printer consistency, under all environmental conditions, and even on unknown (not factory-profiled) paper types
HP Optical Media Advance Sensor (OMAS)	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



25 years and counting

In 1991, HP reinvented large-format design, launching the first large-format inkjet printer—named HP DesignJet. This year, we celebrate 25 years and continue to set the benchmark for fast speeds, high-quality output, and continually pioneering new technologies that help our customers work where and how they want.

¹ Print Permanence estimates for the HP DesignJet Z2600 and Z5600 PostScript® Printers by HP Image Permanence Lab based on HP Vivid Photo Inks with the HP DesignJet Z6200 Photo Production Printer. 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. Scratch-resistance based on internal HP testing using the Taber and coin test method on a range of HP media. 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/printpermanence.

² Compared to other HP DesignJet Z-series Printers.

³ 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.

⁴ For qualified media, see hp.com/go/mediasolutionslocator.

⁵ Maximum rate of output for color image, 100% color coverage (Bandes file). Printed in Fast mode with Economode on, on HP Bright White Inkjet Paper (bond), maximum roll size, with HP Vivid Photo Inks or HP Photo Inks.

⁶ Based on 640 MB RAM.

⁷ Based on 1 GB RAM. Expandable to 1.5 GB RAM through an HP DesignJet qualified SODIMM included only in the optional HP DesignJet PostScript®/PDF Upgrade Kit accessory.

⁸ 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.

⁹ See superior gloss uniformity and minimize bronzing on most glossy photo papers with HP Gloss Enhancer. Bronzing is minimized as an image-quality issue when HP Gloss Enhancer is used. HP Gloss Enhancer can be used on photo paper, with the exception of matte-finish papers.

¹⁰ Compared to large-format inkjet printers under \$25,000 for graphic applications. Based on the fastest rated color speeds as published by manufacturers as of January 2010. Test methods vary.

¹¹ The 12-ink HP DesignJet Z3200 Photo Printer is the most advanced printer compared with other HP Z-series Printers.

¹² Not included in the box in Asia Pacific for Z4- and Z4- models.

¹³ Based on 256 MB RAM.

¹⁴ 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. For more information, see HPLFMedia.com/printpermanence.

¹⁵ 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.

¹⁶ Only available in selected countries.

¹⁷ Only available in China.

¹⁸ Provides the widest color gamut of the DesignJet Z-series Printers with 96% coverage of the PANTONE® formula guide solid coated colors when using Original HP Photo Inks and HP Professional Satin Photo substrate.

For more information, please visit:

hp.com/go/designjet

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