

When it comes to speed, quality, and consistency, this HP large-format Designjet is hard to beat—with over 1,000 ft² of output per hour, outstanding quality with HP Vivera pigment inks, and breakthrough consistency with an embedded spectrophotometer.¹

SHORTEN YOUR TURNAROUND TIMES

- **The fastest printer in its class²—see maximum speeds over 1,000 ft² per hour.** Shorten turnaround times and take on more projects. You can, when you have the fastest large-format printer in its class at your fingertips.² Easily print over 1,000 ft² per hour on plain paper in Fast mode and over 250 ft² per hour on photo paper in Fast mode.
- **This HP Designjet delivers twice the performance (in any print mode) with HP Double Swath Technology.³** With HP Double Swath Technology, plan on getting double the performance in color and black and white.³ The HP Designjet Z6100 Printer series includes eight HP printheads, which provide a wider print swath—up to 1.8 inches—and a high firing frequency, to deliver prints with amazing speed.
- **Print at top speeds and still get great output results with the first-ever Optical Media Advance Sensor.** Contributing to this HP Designjet's radically fast speed is its Optical Media Advance Sensor, which improves paper advance control, so the printer can print at higher speeds and across environmental conditions without impeding image quality.
- **Unattended—even overnight-production-volume printing with media support up to 575 ft, like new HP jumbo rolls.**
- **Experience fewer interruptions with high-capacity 775 ml Original HP ink cartridges.**



HIGH-IMPACT IMAGE QUALITY AND EXCEPTIONAL FADE RESISTANCE⁴

- **8 HP Vivera pigment inks.** Work with millions of color combinations across a wide color gamut and across a wide range of media. With the HP three-black ink set—matte black, photo black, and light gray—produce a broad range of blacks and grays with smooth, subtle transitions, true gray neutrality, and rich black density. Now you can produce photographic-quality images that are free of color casts. Grayscales that are smooth. Line drawings that are crisp and sharp.
- **HP Vivera pigment inks last.** Innovative HP Vivera pigment inks deliver an unmatched combination of outstanding photo-image quality, water resistance, and exceptional fade resistance. Prints produced on a range of HP media resist fading for over 1 year un laminated and over 3 years laminated when displayed in or near a window. In interior display conditions away from direct sunlight, prints resist fading for over 200 years.⁴
- **Outstanding image quality on a wide range of media—including HP media designed with Vivera pigment inks.** Print on a wide range of media and choose from over 50 Original HP media substrates for a broad set of applications including bond, coated, photo, and proofing papers; technical and graphic papers and films; and backlit, self-adhesive, banner and sign, fabric/textile, and fine arts printing materials. HP media and Vivera pigment inks are designed together so you get consistently outstanding image quality—from photo-quality images to high-quality posters and banners to crisp line drawings—you can count on.
- **HP's innovative printhead design—small drop sizes enable high-quality, high-speed production-volume printing.**
- **Outstanding results—Original HP supplies interact with the printer to optimize print quality and reliability.**

BREAKTHROUGH COLOR ACCURACY AND CONSISTENCY WITH HP DREAMCOLOR TECHNOLOGIES

- **Split print runs between HP Designjet Z6100s and get consistent colors with the embedded spectrophotometer.¹** You're assured accurate, consistent colors across HP Designjet Z6100 series printers with the embedded spectrophotometer.¹ Utilize all your resources and confidently increase your capacity by splitting print runs between two or more printers and seeing consistent colors from them all in the end.
- **Get consistent colors when reprinting jobs over time regardless of fluctuating environmental conditions.** If you print a job today and then reprint the same job a week or year from now, or when you print long runs, you want the assurance that prints are going to have the same colors. You also want to be sure that the color consistency is not affected when there are changes in temperature or humidity to your work environment. HP provides you the assurance you need. With the spectrophotometer that is embedded within this printer, you can count on print-to-print color accuracy and consistency.¹
- **Easily add new media and get color accuracy—the creation of ICC profiles is automatic and simple.** Creating ICC profiles can be a complex, manual process with printing, drying, and scanning color patches using specialized software and expensive hardware. HP's embedded spectrophotometer¹ and an automated workflow bring simplicity and reliability to accurate profiling and precision printer calibration.
- **HP Color Center tool effortlessly guides you through color management and printing.**

¹ With i1 color technology

² Compared to large-format inkjet printers under \$25,000. Based on the fastest rated color speeds as published by manufacturers as of January 2007. Test methods vary.

³ Compared with the HP Designjet 5500 Printer series

⁴ 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.

Water resistance and interior in-window display ratings by HP Image Permanence Lab on a range of HP media. For details: <http://www.hp.com/go/supplies/printpermanence>

HP Designjet Z6100 Printer series



Technical specifications

Print speed⁵	
Fast	720 ft ² /hr (66.9 m ² /hr), 42 sec/page on D/A1 (on coated paper) 252 ft ² /hr (23.4 m ² /hr), 2.1 min/page on D/A1 (on glossy paper) 147 ft ² /hr (13.7 m ² /hr), 3.3 min/page on D/A1 (on coated paper)
Best	98 ft ² /hr (9.1 m ² /hr), 5 min/page on D/A1 (on glossy paper) 1134 ft ² /hr (105.4 m ² /hr), 35 sec/page on D/A1 (on plain paper)
Maximum print speed	2400 x 1200 optimized dpi
Print resolution maximum	
Memory	
	42-in models: 256 MB standard memory ⁶ , 40 GB hard disk 60-in models: 512 MB standard memory, 40 GB hard disk
Media	
Handling	Roll feed
Types	Bond and coated paper (bond, bright white bond, coated, heavyweight coated, super heavyweight coated, coloured), technical paper (natural tracing, translucent, vellum), film (clear, matte, polyester white matte), photographic paper (gloss, semi-gloss, satin, RC matte), proofing paper (high-gloss, semi-gloss, matte), backlit, self-adhesive (indoor paper, polypropylene, vinyl), banner and sign (display film, banner, polypropylene, scrim, Tyvek, outdoor paper, billboard paper blue back), fabric (flag fabric, polyester, silk satin), fine art printing material (satin canvas, matte canvas, canvas paper, aquarella, watercolor, smooth, textured, litho-realistic)
Weight	Up to 430 g/m ² depending on media type
Size	42-in models: 24 to 42 in rolls 60-in models: 24 to 60 in rolls
Thickness	Up to 22 mil
Maximum roll length	575 ft/175 m
Printing	
Margins	0.2 x 0.2 x 0.2 x 0.2 in/5 x 5 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink cartridge colors	Cyan, magenta, matte black, photo black, yellow, light cyan, light gray, light magenta
Ink types	HP Vivera pigment inks
Ink drop	4 pl (light cyan, light magenta, light gray, photo black), 6 pl (cyan, magenta, yellow, matte black)
Ink cartridge size	775 ml ink cartridges; 775 ml ink cartridge multipacks also available
Nozzles	2 colors per printhead, 1056 nozzles per color, 16,896 total nozzles
Minimum line width	0.003 in/0.067 mm
Line accuracy	+/- 0.1% ⁷
Maximum print length	575 ft/175 m (OS and application dependent)
Connectivity	
Interfaces (standard)	One EIO slot, Gigabit Ethernet
Interfaces (optional)	HP Designjet high speed USB 2.0 card, compatible HP Jetdirect LAN cards
Print languages (standard)	HP Designjet Z6100 Printer: HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4 HP Designjet Z6100ps Printer: Adobe PostScript Level 3, Adobe PDF 1.6, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Drivers (included)	HP Designjet Z6100 Printer: HP-GL/2, HP-RTL Windows drivers, ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix MetaFrame environments HP Designjet Z6100ps Printer: HP-GL/2, HP-RTL Windows drivers, PS Windows drivers, ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix MetaFrame environments, PS driver for Mac OS X v 10.2.8, 10.3, 10.4
Recommended system requirements	
Macintosh	Mac OS X v 10.2.8, 10.3, 10.4: 1 GHz PowerPC G4, 256 MB, 512 MB available hard disk space
Windows	Microsoft Windows 2000, XP Home, XP Professional: Pentium IV, 3 GHz, 1 GB RAM, 2 GB available hard disk
Dimensions (w x d x h)	
Printer with stand	42-in models: 77.5 x 27.5 x 53 in/1970 x 700 x 1350 mm 60-in models: 97 x 27.5 x 53 in/2450 x 700 x 1350 mm
Shipping	42-in models: 89 x 29.5 x 47.9 in/2260 x 750 x 1216 mm 60-in models: 107.3 x 29.5 x 53.6 in/2725 x 750 x 1361 mm
Weight	
Printer with stand	42-in models: 192 lb/87 kg 60-in models: 242.5 lb/110 kg
Shipping	42-in models: 429.9 lb/195 kg 60-in models: 564.4 lb/256 kg
What's in the box	
42-in models: Printer, printheads (4 x 2 colors), ink cartridges (8 x 775 ml), maintenance cartridge, HP Heavyweight Coated Paper sample roll (42 in x 25 ft), stand & basket (42 in), maintenance kit, 3 inch spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord	
60-in models: Printer, printheads (4 x 2 colors), ink cartridges (8 x 775 ml), maintenance cartridge, HP Heavyweight Coated Paper sample roll (42 in x 25 ft), stand (60 in), take-up reel (60 in), maintenance kit, 3 inch spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord	

Environmental ranges	
Operating temperature	41 to 104° F/5 to 40° C
Recommended operating temperature	59 to 95° F/15 to 35° C
Storage temperature	-13 to 131° F/-25 to 55° C
Operating humidity	20 to 80% RH
Acoustic	
Sound pressure, active	51 dB(A)
Sound pressure, standby	38 dB(A)
Sound power, active	6.8 B(A)
Power consumption	
Maximum	350 watts
Powersave	21 watts
Off	0.4 watts
Power requirements	Input voltage: 100 to 127 VAC (+/- 10%), 4 amp; 220 to 240 VAC (+/- 10%), 2 amp; 50/60 Hz (+/- 3 Hz); voltage auto-range
Certification	
Safety	USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NICE)
Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (DoC), EU (EMC Directive), Australia (ACA), New Zealand (MeC), China (CCC), Japan (VCCI), Korea (MIC), Taiwan (BSMI), Energy Star, EU WEEE and RoHS Directives
Environmental	

Accessories - technical specifications

HP Designjet 42-in Scanner	
What's in the box	
HP Designjet 4500 Scanner, stand and basket assembly, touch screen (panel PC), keyboard, power cables, 2 FireWire cables, 2 media guides, maintenance sheet, system recovery DVD, maintenance kit, plastic dust cover, Scanner Setup Poster, Scanner Quick Reference Guide, Customer Service Guide	
Scan speed	
Color (200 dpi)	3 in/sec (76 mm/sec)
Black & white (200 dpi)	10 in/sec (254 mm/sec)
Resolution	
Best mode	300 x 300 dpi
Normal mode	200 x 200 dpi
Draft mode	150 x 150 dpi
Max. scan width	42 in/1067 mm
Max. scan thickness	0.6 in/15 mm
Product dimensions	70.8 x 33.4 x 54.3 in/1800 x 850 x 1380 mm
Package dimensions	75.2 x 27.2 x 28.7 in/1910 x 690 x 730 mm
Product weight	209.5 lb/95 kg
Package weight	321.9 lb/146 kg

HP Designjet Z6100 42-in Take-Up Reel	
What's in the box	
Spindle (42-in), tubes, deflector, sensor module, right module, left module, hardware kit	
Product dimensions	57.9 x 22 x 27.2 in/1471 x 558 x 690 mm
Package dimensions	55.1 x 25.6 x 8.8 in/1400 x 650 x 224 mm
Product weight	16.8 lb/7.6 kg
Package weight	27.8 lb/12.6 kg

HP Designjet Z6100 60-in Media Bin	
What's in the box	
Basket (60-in), hardware kit, setup poster	
Product dimensions	68.1 x 24 x 18.7 in/1730 x 610 x 475 mm
Package dimensions	69.5 x 5.3 x 7.5 in/1766 x 135 x 190 mm
Product weight	6 lb/2.71 kg
Package weight	8.8 lb/4 kg

HP Designjet Z6100 User Maintenance Kit	
What's in the box	
Platen cleaning kit, carriage interconnect wiper kit, printhead carriage lubrication kit, roller lubrication kit, maintenance absorber	
Product dimensions	10.6 x 10.2 x 1.8 in/270 x 260 x 46 mm
Package dimensions	10.8 x 10.8 x 2 in/275 x 275 x 50 mm
Product weight	0.6 lb/270 g
Package weight	1.3 lb/570 g

(5) Mechanical printing time. Measured on a 60-in model.
(6) Expandable to 512 MB through a 256 MB Designjet-qualified DIMM
(7) ± 0.1% of the specified vector length or ± 0.1 mm (whichever greater)

Ordering information	
Product	
Q6651A	HP Designjet Z6100 42-in Printer
Q6652A	HP Designjet Z6100 60-in Printer
Q6653A	HP Designjet Z6100ps 42-in Printer
Q6654A	HP Designjet Z6100ps 60-in Printer
Accessories	
Q1277A	HP Designjet 42-in Scanner
Q5673A	HP Designjet 256 MB Memory Upgrade
Q5680A	HP Designjet High Speed USB 2.0 Card
Q6699A	HP Advanced Profiling Solution International
Q6701A	HP Advanced Profiling Solution Asia Pacific
Q6706A	HP Designjet Z6100 42-in Take-Up Reel
Q6707A	HP Designjet Z6100 42-in Spindle
Q6708A	HP Designjet Z6100 60-in Spindle
Q6714A	HP Designjet Z6100 60-in Media Bin
Q6715A	HP Designjet Z6100 User Maintenance Kit
J7960A	HP Jetdirect 625n Gigabit Ethernet Print Server
J7961A	HP Jetdirect 635n IPv6/IPv4 Print Server
Printheads	
C9460A	HP 91 Matte Black and Cyan Printhead
C9461A	HP 91 Magenta & Yellow Printhead
C9462A	HP 91 Light Magenta & Light Gray Printhead
C9463A	HP 91 Photo Black and Light Gray Printhead
C9518A	HP 91 Maintenance Cartridge
Single ink cartridges	
Q9464A	HP 91 Pigment 775-ml Matte Black Ink Cartridge
C9465A	HP 91 Pigment 775-ml Photo Black Ink Cartridge
C9466A	HP 91 Pigment 775-ml Light Gray Ink Cartridge
C9467A	HP 91 Pigment 775-ml Cyan Ink Cartridge
C9468A	HP 91 Pigment 775-ml Magenta Ink Cartridge
C9469A	HP 91 Pigment 775-ml Yellow Ink Cartridge
C9470A	HP 91 Pigment 775-ml Light Cyan Ink Cartridge
C9471A	HP 91 Pigment 775-ml Light Magenta Ink Cartridge
Ink cartridge multipacks	
C9480A	HP 91 775-ml 3-ink Matte Black Cartridges Multipack
C9481A	HP 91 775-ml 3-ink Photo Black Cartridges Multipack
C9482A	HP 91 775-ml 3-ink Light Gray Cartridges Multipack
C9483A	HP 91 775-ml 3-ink Cyan Cartridges Multipack
C9484A	HP 91 775-ml 3-ink Magenta Cartridges Multipack
C9485A	HP 91 775-ml 3-ink Yellow Cartridges Multipack
C9486A	HP 91 775-ml 3-ink Light Cyan Cartridges Multipack
C9487A	HP 91 775-ml 3-ink Light Magenta Cartridges Multipack
Media supplies	
Q8840A	HP Professional Satin Photo Paper 44 in x 50 ft/11118 mm x 15.2 m
Q7996A	HP Premium Instant-Dry Satin Photo Paper 42 in x 100 ft/1067 mm x 30.5 m
Q7995A	HP Premium Instant-Dry Gloss Photo Paper 42 in x 100 ft/1067 mm x 30.5 m
Q8757A	HP Universal Instant-dry Semi-gloss Photo Paper 60 in x 200 ft/1524 mm x 61 m
Q8758A	HP Universal Instant-dry Gloss Photo Paper 60 in x 200 ft/1524 mm x 61 m
Q8755A	HP Universal Instant-dry Semi-gloss Photo Paper 42 in x 200 ft/1067 mm x 61 m
Q8754A	HP Universal Instant-dry Gloss Photo Paper 42 in x 200 ft/1067 mm x 61 m
Q8748A	HP Premium Vivid Color Backlit Film 42 in x 100 ft/1067 mm x 30.5 m
Q8710A	HP Collector Satin Canvas 42 in x 50 ft/1067 mm x 15.2 m
Q8674A	HP Professional Matte Canvas 42 in x 50 ft/1067 mm x 15.2 m (not AP)
Q8706A	HP Artist Matte Canvas 42 in x 50 ft/1067 mm x 15.2 m
Q8738A	HP Hahnemühle Smooth Fine Art Paper 42 in x 35 ft/1067 mm x 10.7 m (NA & EMEA only)
Q8738A	HP Hahnemühle Textured Fine Art Paper 42 in x 35 ft/1067 mm x 10.7 m (NA & EMEA only)
Q7973A	HP Matte Litho-Realistic Paper 36 in x 100 ft/914 mm x 30.5 m (NA & EMEA only)
Q6628A	HP Super Heavyweight Plus Matte Paper 42 in x 100 ft/1067 mm x 30.5 m
Q1956A	HP Heavyweight Coated Paper 42 in x 225 ft/1067 mm x 67.5 m (NA & EMEA only)
Q8751A	HP Universal Inkjet Bond Paper 36 in x 574 ft/914 mm x 175 m
Q8835A	HP Self Adhesive Gloss Polypropylene 42 in x 75 ft/1067 mm x 22.9 m
Q7735A	HP Colorfast Adhesive Vinyl 36 in x 40 ft/914 mm x 12.2 m
Q1899B	HP Opaque Scrim 42 in x 30 ft/1067 mm x 15.2 m (not JP)

More HP media sizes and weights available at www.hp.com/go/designjet/supplies



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