HP Designjet Z2100 Photo Printer series

Technical specifications

Print Speed	
Best	15 min/page on D/A1 or up to 17 ft²/h (color image on glossy paper) 9.8 min/page on D/A1 or up to 31 ft²/h (color image on coated paper)
Normal	7.9 min/page on D/A1 or up to 38 ft²/h (color image on glossy paper) 4.2 min/page on D/A1 or up to 72 ft²/h (color image on coated paper)
Draft	5.8 min/page on D/A1 or up to 52 ft²/h (color image on glossy paper) 2.0 min/page on D/A1 or up to 150 ft²/h (color image on coated paper)
Resolution	
Best (Color and B&W)	2400 x 1200 optimized dpi
Normal (Color and B&W)	600 x 600 dpi
Draft (Color and B&W)	600 x 600 dpi
Memory	**HP Designjet Z2100 24-inch Photo Printer:** 128 MB Standard memory, 40 GB hard disk **HP Designjet Z2100 44-inch Photo Printer:** 128 MB Standard memory, 40 GB hard Disk
Media	
Handling	Sheet feed, roll feed, automatic cutter (cuts all media except canvas)
Types	Photographic paper (satin, gloss, semi-gloss, matte), proofing paper (high-gloss, semi-gloss, matte), fine art printing material (canvas, smooth, textured, watercolor), self-adhesive and vinyl (polypropylene, vinyl), sign and banner (display film, banner, scrim, polypropylene, Tyvek®, outdoor paper), bond and coated (bond, coated, heavyweight coated, super heavyweight coated)
Maximum weight	500 g/m²
Size	**HP Designjet Z2100 24-inch Photo Printer** All standard sizes larger than Letter/A4 up to 24 in./610 mm wide **HP Designjet Z2100 44-inch Photo Printer** All standard sizes larger than Letter/A4 up to 44 in./1117 mm wide
Maximum external roll diameter	5.3 in./136 mm
Maximum roll length	300 ft/91 m
Printing	
Margins (top x bottom x right x left)	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in./5 x 5 x 5 x 5 mm (full bleed available on glossy roll media) **Sheet:** 0.2 x 0.67 x 0.2 x 0.2 in./5 x 17 x 5 x 5 mm
Technology	HP Vivera pigment inks, HP Three-black ink set, HP Embedded Spectrophotometer
Ink cartridge colors	Light cyan, light magenta, light gray, photo black, cyan, magenta, yellow, matte black
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	130 ml ink cartridges; 130 ml ink cartridge twin packs also available
Nozzles	2 colors per printhead, 1056 nozzles per color
Maximum print length	300 ft/91 m (OS and application dependent)
Line accuracy	+/- 0.2 %[4]
Light fastness	Over 200 years fade resistance
Water resistance	Water-resistant on a range of HP creative and specialty media
Connectivity	**Standard:** One 10/100 BT Ethernet, One USB 2.0 high-speed certified port, One EIO Jetdirect accessory slot **Optional:** HP Jetdirect EIO print servers
Print languages	**Standard:** HP PCL3GUI **Optional:** PS via optional software RIP, HP-GL2/RTL optional software solution
Image quality	
Color accuracy	Median <1.6 dE2000, 95% of colors <2.8 dE2000[5]
Short term color stability	<1 dE2000 in less than 5 minutes[6]
Long term print-to-print repeatability	Average <0.5 dE2000, 95% of colors <1.4 dE20004
Maximum optical density	L* / 2.4 D[7]
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
Recommended operating humidity	20 to 80% RH
Recommended storage humidity	0 to 95% RH
Acoustic	
Sound pressure	**Active** 44 dB(A) **Standby** 29 dB(A)
Sound power	**Active** 6.5 B(A) **Standby** 4.4 B(A)
Power consumption	
Active	200 watts
Maximum	200 watts
Powersave	27 watts
Standby	43 watts
Power requirements	Input voltage auto-ranging 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz), 2 Amp max
Certification	
Safety	IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, certified by CSA for Canada and US, Argentina IRAM, Singapore PSB, Russia GOST, China CCIB, Taiwan BSMI
Electromagnetic	Compliance for Class B products: EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC) and Taiwan (BSMI)
Energy Star® Compliant	Yes, ENERGY STAR® qualified models; see: http://www.hp.com/go/energystar
Press standard	100% coverage of SWOP, ISO and GRACOL, and 3DAP
Warranty	1 year warranty with on-site, next business day service
Warranty extensions	UF028PE HP 1-Year Post Warranty Next Business Day Onsite Service HC132PE HP Technical Phone Support
HP Care Pack Services	UF017E HP 3-Year Next Business Day Onsite Service UF018E HP 4-Year Next Business Day Onsite Service UF019E HP 5-Year Next Business Day Onsite Service H7604E HP Installation Service H4518E HP Installation with Network Configuration
Color Services	UF050E HP Color Expert Service 1-Year/5 cases UF315E HP Color Expert Service 1-Year/1 case

Recommended system requirements	
Macintosh	Mac OS X v10.2, v10.3, v10.4 and later, PowerPC G4, G5, or Intel® Core Processor, 1 GB RAM, 2 GB available hard disk
Windows	Microsoft® Windows XP or 2000: Pentium® IV, 3 GHz, 1GB RAM, 2 GB available hard disk
Dimensions (w x d x h)	
Printer with stand	**HP Designjet Z2100 24-inch Photo Printer** 49.7 x 26 x 41.2 in./1262 x 661 x 1047 mm **HP Designjet Z2100 44-inch Photo Printer** 69.7 x 26 x 41.2 in./1770 x 661 x 1047 mm
Shipping dimensions	**HP Designjet Z2100 24-inch Photo Printer** 57.8 x 30.7 x 29.1 in./1470 x 780 x 740 mm **HP Designjet Z2100 44-inch Photo Printer** 77.3 x 30.7 x 30.7 in./1965 x 780 x 780 mm
Weight	
Printer with stand	**HP Designjet Z2100 24-inch Photo Printer** 143 lb/65 kg **HP Designjet Z2100 44-inch Photo Printer** 189 lb/86 kg
Shipping weight	**HP Designjet Z2100 24-inch Photo Printer** 225 lb/102 kg **HP Designjet Z2100 44-inch Photo Printer** 271 lb/123 kg

What's in the box

HP Designjet Z2100 24-inch Photo Printer: spindle, printheads (4 x 2 colors), introductory ink cartridges, media high gloss photo sample roll (24 in. x 15 ft), stand (24 in.), rear tray (24 in.), adaptor 3-inch KIT for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Start-up kit including printer software and training

HP Designjet Z2100 44-inch Photo Printer: spindle, technical spindle, printheads (4 x 2 colors), introductory ink cartridges, media high gloss photo sample roll (36 in. x 15 ft), stand (44 in.), rear tray (44 in.), 3-inch KIT for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Start-up kit including printer software and training

Ordering information

Product
Q6675A   HP Designjet Z2100 24-inch Photo Printer
Q6677A   HP Designjet Z2100 44-inch Photo Printer

Accessories
Q6643D   EFI Designer 5.1 for HP XL International
Q6692B   HP GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series
Q6695A   HP Advanced Profiling Solution International
Q6698A   HP Designjet ZX100 44-inch Spindle for printing on technical media
Q6699A   HP Designjet ZX100 44-inch Spindle for graphics (spare, for easy media switching)
Q6700A   HP Designjet ZX100 24-inch Spindle for graphics (spare, for easy media switching)

Printing supplies
Printheads
C9404A   HP 70 Matte Black & Cyan Printhead
C9405A   HP 70 Light Magenta & Light Cyan Printhead
C9406A   HP 70 Magenta & Yellow Printhead
C9407A   HP 70 Photo Black & Light Gray Printhead

130 ml ink cartridges
C9448A   HP 70 Matte Black 130 ml Ink Cartridge
C9449A   HP 70 Photo Black 130 ml Ink Cartridge
C9451A   HP 70 Light Gray 130 ml Ink Cartridge
C9452A   HP 70 Cyan 130 ml Ink Cartridge
C9453A   HP 70 Magenta 130 ml Ink Cartridge
C9454A   HP 70 Yellow 130 ml Ink Cartridge
C9455A   HP 70 Light Magenta 130 ml Ink Cartridge
C9390A   HP 70 Light Cyan 130 ml Ink Cartridge

Ink cartridge twin packs
CB339A   HP 70 Matte Black 130 ml Ink Cartridge Twin Pack
CB340A   HP 70 Photo Black 130 ml Ink Cartridge Twin Pack
CB342A   HP 70 Light Gray 130 ml Ink Cartridge Twin Pack
CB343A   HP 70 Cyan 130 ml Ink Cartridge Twin Pack
CB344A   HP 70 Magenta 130 ml Ink Cartridge Twin Pack
CB345A   HP 70 Yellow 130 ml Ink Cartridge Twin Pack
CB346A   HP 70 Light Magenta 130 ml Ink Cartridge Twin Pack
CB351A   HP 70 Light Cyan 130 ml Ink Cartridge Twin Pack

Media supplies
Q7991A   HP Premium Instant-dry Gloss Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q7992A   HP Premium Instant-dry Satin Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q6626A   HP Super Heavyweight Plus Matte Paper 24 in. x 100 ft/610 mm x 30.5 m
C6029C   HP Heavyweight Coated Paper 24 in. x 100 ft/610 mm x 30.5 m
C6775A   HP Colorfast Adhesive Vinyl 36 in. x 40 ft/914 mm x 12.2 m
Q1898B   HP Opaque Scrim 36 in. x 50 ft/914 mm x 15 m
C6787A   HP Banners with Tyvek® 36 in. x 50 ft/914 mm x 15 m
Q7973A   HP Matte Litho-realistic Paper 36 in. x 100 ft/914 mm x 30.5 m
Q8663A   HP Professional High-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q7971A   HP Professional Semi-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q1968A   HP Proofing Matte 24 in. x 100 ft/610 mm x 30.5 m
Q8732A   HP Hahnemühle Smooth Fine Art Paper 265 g/m² 24 in. x 35 ft/610 mm x 10.7 m
Q8736A   HP Hahnemühle Textured Fine Art Paper 265 g/m² 24 in. x 35 ft/610 mm x 10.7 m
Q1984A   HP Hahnemühle Watercolor Paper 36 in. x 38 ft/914 mm x 11.58 m
Q8741A   HP Aquarella Art Paper 24 in. x 35 ft/610 mm x 10.7 m

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

More information on products, technologies and services available at **www.hp.com/go/graphic-arts**

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[4] +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever is greater) at 23°C (73°F), 50-60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film roll feed
[5] ICC absolute colorimetric accuracy on HP Proofing Matte paper
[6] With HP Premium Instant-dry Photo Satin media, right after calibration
[7] With HP Premium Instant-dry Photo Gloss media

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