Data sheet

HP Designjet Z5200 Photo Printer

Professional 8-ink PostScript printer designed for outstanding graphic applications



Fast printing with an intelligent workflow

- Print quickly with speeds up to 41 m^2/hr (445 ft^2/hr).
- Radically simplify and speed up your entire printing workflow with HP Instant Printing Pro.
- Preview, crop, and print PDF, PostScript, HP-GL/2, TIFF, JPEG and DWF files without opening applications.
- Shorten turnaround times with a 160 GB hard drive, borderless printing[1], and fast-drying HP Photo Inks.

High-impact, long-lasting color prints

- Impress your customers with high-impact color and black-and-white applications.
- Get rich, dark blacks on matte and glossy papers with matte black and photo black HP Photo Inks.
- Expand your offerings—HP Photo Inks produce water-resistant prints that last up to 200 years[2].
- Get color reliability with HP Professional PANTONE® color emulation and Adobe Postscript®/PDF support[3].

Easy, unattended, and reliable operation

- Avoid wasting time and money on trial and error with automatic color calibration thanks to the embedded spectrophotometer[4].
- Optimize performance, ink usage—automatic servicing routines help prevent nozzle clogging, reduce media waste.
- Save time with HP Printer Utility software—printer status communications, desktop alerts, automatic updates.
- Enable unattended printing—300-ml Original HP ink cartridges help reduce interventions.

Eco Highlights

- **Breakthrough color consistency can help reduce unnecessary reprints**
- **Free, convenient HP ink cartridge and printhead recycling[1]**
- **FSC®-certified papers, range of recyclable HP media with a take-back program[1]**

[1] Program availability varies. Please check hp.com/recycle for details.

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

ENERGY STAR

1 Photo paper is required to print borderless images.

2 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. Water resistance ratings tested by HP Image Permanence Lab on a range of HP media. For more information, see hp.com/go/supplies/printpermanence.

3 Pending PANTONE-licensed.

4 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.

Technical specifications

Print	Maximum print speed[5]	41 m²/hr (445 ft²/hr)
	Print resolution	Up to 2400 x 1200 optimized dpi
	Margins (top x bottom x left x right)	Roll: 5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in) (borderless on photo roll media); Sheet: 5 x 17 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in)
	Technology	HP Thermal Inkjet
Image quality	Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000[6]
	Short term color stability	< 1 dE2000 in less than 5 minutes[7]
	Long term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[7]
Media	Handling	Sheet feed, roll feed, media bin, automatic cutter (cuts all media except canvas)
	Weight	Up to 500 g/m²
	Size	210 x 279 to 1118 x 1676-mm (8.3 x 11 to 44 x 66-in) sheets; 279 to 1118-mm (11 to 44-in) rolls
	Thickness	Up to 0.8 mm (31.5 mil)
Applications	Banners, Exhibition, event graphics, Graphics design, Indoor posters, Line drawings, Maps, Photos, Point of sale/display, Posters, Presentations, Renderings, Technical presentations	
Memory	32 GB (virtual)[8], 160 GB hard disk	
Connectivity	Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot
	Print languages	Adobe® PostScript® 3™, Adobe PDF, TIFF, JPEG, CALS G4, HP PCL 3 GUI, HP-GL/2[9]
	Drivers (included)	HP PCL 3 GUI and PostScript drivers for Windows® (optimized for AutoCAD 2000 and higher) and Mac OS X; support for Citrix XenApp and Citrix XenServer environments.
Dimensions (w x d x h)	Printer: 1770 x 690 x 1047 mm (69.7 x 27.2 x 41.2 in) Shipping: 1930 x 766 x 769 mm (76 x 30.2 x 30.3 in)	
Weight	Printer: 86 kg (189 lb); Shipping: 123 kg (271 lb)	
What's in the box	HP Designjet Z5200 Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, Original HP sample media roll, quick reference guide, setup poster, start-up software, power cord	
Environmental ranges	Operating temperature: 5 to 40°C (41 to 104°F) Storage temperature: -25 to 55°C (-13 to 131°F)	
	Operating humidity: 20 to 80% RH	
Acoustic	Sound pressure: 49 dB(A) (active); 29 dB(A) (standby) Sound power: 6.5 B(A) (active); 4.4 B(A) (standby)	
Power consumption	170 watts (printing); < 31 watts (ready), < 12 watts (< 30 watts with embedded Digital FrontEnd) (sleep); 0.1 watts (off)	
	Requirements: Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max	
Certification	Safety	USA and Canada (CSA certified), EU (LVD and EN 60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KATS)
	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 (KCC)
	Environmental	ENERGY STAR, WEEE, EU RoHS, China RoHS, REACH, FEMP
Warranty	One-year limited hardware warranty	

[5] Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond) with Original HP inks.

[6] ICC absolute colorimetric accuracy on HP Proofing Matte paper with Original HP inks

[7] With HP Premium Instant-dry Gloss Photo Paper and Original HP inks, right after calibration.

[8] Based on 640 MB RAM.

[9] HP-GL/2 printing only available via HP Instant Printing Pro, which can be downloaded for free at hp.com/go/hpinstantprintingutility.

[10] HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See hp.com/recycle for details.

[11] FSC® trademark license code FSC®-C017543, see fsc.org. Not all FSC® - certified product is available in all regions.

Ordering information

Product	CQ113A	HP Designjet Z5200ps 44-in Photo Printer
Accessories	Q6699A	HP Designjet Z 44-in Spindle
	J8025A	HP Jetdirect 640n Print Server
	CQ654C	HP Designjet HD Scanner
Original HP printheads	C9404A	HP 70 Matte Black and Cyan Printhead
	C9405A	HP 70 Light Magenta and Light Cyan Printhead
	C9406A	HP 70 Magenta and Yellow Printhead
	C9407A	HP 70 Photo Black and Light Gray Printhead
Original HP ink cartridges and maintenance supplies	CN629A	HP 772 300-ml Magenta Ink Cartridge
	CN630A	HP 772 300-ml Yellow Ink Cartridge
	CN631A	HP 772 300-ml Light Magenta Ink Cartridge
	CN632A	HP 772 300-ml Light Cyan Ink Cartridge
	CN633A	HP 772 300-ml Photo Black Ink Cartridge
	CN634A	HP 772 300-ml Light Gray Ink Cartridge
	CN635A	HP 772 300-ml Matte Black Ink Cartridge
	CN636A	HP 772 300-ml Cyan Ink Cartridge
	C9448A	HP 70 130-ml Matte Black Ink Cartridge
	C9449A	HP 70 130-ml Photo Black Ink Cartridge
	C9451A	HP 70 130-ml Light Gray Ink Cartridge
	C9452A	HP 70 130-ml Cyan Ink Cartridge
	C9453A	HP 70 130-ml Magenta Ink Cartridge
	C9454A	HP 70 130-ml Yellow Ink Cartridge
	C9455A	HP 70 130-ml Light Magenta Ink Cartridge
	C9390A	HP 70 130-ml Light Cyan Ink Cartridge
Original HP large format printing materials	C2T50A	HP Universal Matte Canvas 610 mm x 15.2 m (24 in x 50 ft)
	B5E92A	HP Artist Matte Canvas 610 mm x 15.2 m (24 in x 50 ft)
	Q8747A	HP Premium Vivid Color Backlit Film ♻[10] 914 mm x 30.5 m (36 in x 100 ft)
	Q7994A	HP Premium Instant-dry Satin Photo Paper (FSC® certified)[11] ♻[12] 914 mm x 30.5 m (36 in x 100 ft)
Service and support	UV210E	HP 3 year Next Business Day Onsite Support
	UV213E	HP 3 year Next Business Day Onsite Support with Defective Media Retention[13]
	UV216E	HP 3 year 4 hour response, 9x5 Onsite Support[14]
	UV219E	HP 3 year 4 hour response, 13x5 Onsite Support[14]
	UV222PE	HP 1 year, Post Warranty, Next Business Day Onsite Support
	UV223PE	HP 2 year Post Warranty, Next Business Day Onsite Support[14]
	UV224PE	HP 1 year Post Warranty Next Business Day Onsite Support with Defective Media Retention[13]
	UV225PE	HP 1 year Post Warranty, 4 hour response, 9x5 Onsite Support[14]
	UV226PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support[14]
	H4518E	HP Network Installation Service Designjet 400-6100 SVC

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.

Use HP 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[15].
For more information, visit hp.com/go/OriginalHPinks.

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

[12] Papers can be recycled according to region-specific practices. In North America and Asia (including Japan), recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in Europe recyclable in consumer collection systems that accept liquid packaging.

[13] Not available in Europe, Middle East, and Africa.

[14] Not available in North America and Latin America.

[15] 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 hp.com/go/supplies/printpermanence.

For more information, please visit
hp.com/go/DesignjetZ5200

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