

HP PageWide XL 8200 Printer



High efficiency—the fastest large format printing¹ and cost-efficient production workflow



*Product image may differ from actual product

React immediately, and meet the tightest deadlines

- Respond immediately with the fastest large-format printer¹—up to 30 D/A1 pgs/min²—end-to-end productivity.
- Reliable technical prints with HP PageWide XL pigment inks—vivid color, crisp lines, fine detail beat LED.³
- Gain productivity—one device delivers mixed sizes/paper types in 50% of the time, no mono/color collating.⁴
- Start printing in 50% of the time⁵ with an ultra-fast processor, native PDF management, and HP SmartStream.

Boost efficiency, enhanced workflows and security

- The market's largest 15-inch touchscreen⁶ makes it easy to operate from the front and the back.
- Avoid errors and reduce reprints by automatically detecting hidden layers before printing with HP SmartStream.
- Save preparation and finishing time by managing folder styles and adding job separators with HP SmartStream.
- World-class printer protection with HP Wolf Pro Security – stay ahead of evolving threats.

Full end-to-end solution, up to 50% less costs⁸

- Free up operator time with a high-capacity stacker, inline folders, auto-switch, and up to 6 rolls.
- Print monochrome and color technical documents at the same or lower cost than comparable LED printers.⁸
- Up to 10 times lower energy consumption than comparable LED printers.⁹
- Eco-Carton replaces plastic cartridge—80% reduction in plastic and 66% CO2e reduction¹⁰, free take back.¹¹

Sustainability in action

React immediately, meet the tightest deadlines with the fastest large-format printer.¹ Gain efficiency, enhanced workflows. Protect your network with the world's most secure printer.⁷ The full end-to-end solution enables up to 50% less costs.⁸

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

Messaging Footnotes

¹ Based on testing commissioned by HP and performed by Sogeti in October, 2020. Fastest compared to alternatives for large-format printing of technical documents, GIS maps, and point-of-sale (POS) posters under \$200,000 USD as of October, 2020.

² The HP PageWide XL 8200 Printer delivers 30 CAD output D/A1 prints in 1 minute. Number of pages will vary depending on the print mode and application printed.

³ Based on testing commissioned by HP and performed by Sogeti in September, 2020. Fine detail based on the number of line breaks found in 1.5 mm of line. On vertical 1 px C,M,Y,K lines. Printed on Océ 75 g plain paper using equivalent fast/high-speed print modes. For output produced with an HP PageWide XL 8200 Printer and comparable printers from different manufacturers and that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC.

⁴ Based on testing commissioned by HP and performed by Sogeti in September, 2020 comparing the HP PageWide XL 8200/5200 Printer series and a comparable competitive printer that represents the majority market share of LED printers worldwide as of 2019 according to IDC, by preparing and printing the job. Test performed by sending 3 copies of a 6-page file combining sizes A0, A1 and plain, coated paper types. Measuring time from clicking "send" button until last page out of the printer. Printed in fast/CAD equivalent print quality mode.

⁵ Based on testing commissioned by HP and performed by Sogeti in September, 2020. Test comparing select competitor printers that represent the majority market share of LED printers worldwide as of 2019 according to IDC, and software to HP SmartStream software, measuring the time required to extract pages from a 63-page document and print them using several printers compared with using equivalent software programs.

⁶ Based on comparison of published front panel specifications commissioned by HP and performed by Sogeti in September, 2020. Comparison of the HP PageWide XL portfolio and competitors that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC.

⁷ Based on comparison of published security specifications commissioned by HP and performed by Sogeti in September, 2020. Comparison of the HP PageWide XL portfolio and competitors that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC. Comparison matrix and further details available upon request.

⁸ Calculation based on total cost of ownership comparison and a comparable competitive printer that represents the majority market share of LED printers worldwide as of 2019 according to IDC. Analysis period of 5 years and assuming a production of 10,000 m²/month with a printing category distribution of 50% color lines and 50% black and white lines on the HP PageWide XL 8200 Printer vs. printing color lines plots on a comparable competitive printer and black and white plots on a comparable competitive printer. Based on testing commissioned by HP and performed by Sogeti in September, 2020.

⁹ Based on testing performed internally by HP based on ISO 20690 and performed September, 2020. Comparable printers using LED technology based on LED printers capable of printing 16-22 D/A1 pages per minute and which represent the majority market share of mid-volume LED printers in the US and Europe according to IDC as of October, 2020.

¹⁰ CO2e reduction based on moving from plastic ink cartridge to cardboard HP Eco-Carton ink cartridge, with annual manufacturing savings of 36 tons and transport savings of 1 ton. Equivalent to 147,755 km (91,811 miles) driven by an average passenger vehicle or 4,718,692 smartphones charged.

¹¹ For free take-back of inner ink bag and printheads, visit <http://www.hp.com/recycle> to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.

For more information, please visit <http://www.hp.com/go/pagewidexl8200>



Datasheet

Technical specifications

Print	
Description	Large-format color printer
Technical documents (from roll)	Up to 1500 A1 pages/hr, 30 A1 pages/min; Up to 800 A0 pages/hr, 18 A0 pages/min
Maximum print speed	23 m/min
Warm-up time	No warm up
First page out	18 sec (from USB)
Print resolution	1200 x 1200 dpi
Technology	HP PageWide Technology
Ink types	Pigment-based (C, M, Y, K)
Print Cartridges/Bottle, Number	4 (C, M, Y, K)
Print cartridge/bottle volume delivered	1 L
Printheads	8 (C, M, Y, K)
Average printhead life	32 L
Printhead warranty	12 months from the date of installation, or 10 L, or until the Warranty Ends date printed on the packaging, whichever comes first
Line accuracy	±0.1% ¹
Minimum line width	0.02 mm (HP-GL/2 addressable)
Media	
Applications	Line drawings; Maps; Orthophotos; Posters
Rolls	Media rolls: 2 rolls default with auto-switching, expandable to 6 rolls; Roll size: 279 to 1016 mm; Roll length: Up to 200 m; Maximum roll diameter: Up to 177 mm; Roll core diameter: 7.6 cm
Recommended Grammage	70 to 200 g/m ²
Grammage	70 to 200 g/m ²
Thickness	Up to 0.4 mm
Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek papers, matte film
Media output (standard)	Varies by model: High-capacity stacker (up to 500-page capacity), basket
Media output (optional)	Varies by model: top stacker (up to 100-page capacity), high-capacity stacker (up to 500-page capacity), online folder
Embedded controller	
User interface	15.6-inch (396-mm) TFT (LED backlight) 16:9-format HD capacitive touchscreen
Processor	Intel Core i5
Memory	16 GB DDR4

Ordering information

Product	HP PageWide XL 8200 Printer
4VW18A	HP PageWide XL 8200 40-in Printer
Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPInks	

Hard disk	1 x 128 GB SSD, 1 x 500 GB HDD, both self-encrypted with AES-256
Native print languages	HP-GL/2, TIFF, JPEG
Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7 (with PostScript/PDF upgrade)
Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin, PrintOS
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T), USB 2.0 host
Printing paths	HP SmartStream software (optional), HP PageWide XL print drivers (PDF, HP-GL/2, and PCL3), Apple AirPrint
Dimensions (W x D x H)	
Product	Standard: 1955 x 785 x 1637 mm; With high-capacity stacker: 1955 x 2041 x 1637 mm
Shipping	2257 x 1040 x 1578 mm
Weight	
Product	Standard: 448 kg; With high-capacity stacker: 578 kg
Shipping	Standard: 577 kg; With high-capacity stacker: 737 kg
Environmental ranges	
Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH, depending on media type
Acoustics	
Sound pressure	Printing: ≤60 dB(A) (operating), ≤36 dB(A) (idle), ≤20 dB(A) (sleep)
Sound power	Printing: ≤7.8 B(A) (operating), ≤5.5 B(A) (idle), ≤3.5 B(A) (sleep)
Power	
Consumption	0.37 kW (typical); 1.2 kW (max printing); 120 W (ready); <16 W (sleep)
Requirements	Input voltage (auto ranging) 200-240 V (±10%), 50/60 Hz (±3 Hz), 8 A
Certification	
Safety	IEC 60950-1+A1+A2 and IEC 62368-1 2nd ed. compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 and 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); China (CCC)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KC)
Environmental	ENERGY STAR, EPEAT Registered, UL 2801 ECOLOGO, CE marking (including RoHS, WEEE, REACH). In compliance with WW RoHS materials restriction requirements in China, Korea, India, Vietnam, Turkey, Serbia, and Ukraine
Warranty	90 days

Original HP large format printing materials	
HP Universal Bond Paper, 3-in Core (FSC® certified) ² (recyclable) ³	
HP Production Matte Poster Paper, 3-in Core (FSC® certified) ² (recyclable) ³	
HP Production Satin Poster Paper, 3-in Core (FSC® certified) ² (recyclable) ³	
HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) ² (recyclable) ³	
HP Matte Polypropylene, 3-in Core	
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com .	
HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc	

Specification Footnotes

¹ ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.

² BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit <http://www.HPLFMedia.com>.

³ Can be recycled through commonly available recycling programs.

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