Datasheet

HP PageWide XL 5200 40-in Printer with High-capacity Stacker

Gain efficiency with fast, easy, and cost-effective production

Instant delivery of mono and color printouts

- Respond to your customers' requests right away with print speeds up to 20 D/A1 pages/minute.[1]
- Reliable technical prints with HP PageWide XL pigment inks—vivid color, crisp lines, fine detail beat LED.[2]
- Gain productivity—one device delivers mixed sizes/paper types in 50% of the time, no mono/color collating.[3]

Enhanced workflows, added efficiency and security

- The market's largest 15-inch touchscreen[4] makes it easy to operate from the front and the back.
- Save time—manage folder styles, add job separations, detect hidden layers before printing —with HP SmartStream.
- Protect your network with the world's most secure printer[5]—control printer access, create security settings.

Help cut production costs up to 30%[6]

- Print in monochrome and color with a single HP-branded solution.
- Gain broad control over your printing costs with HP SmartTracker software.
- Up to 10 times lower energy consumption than comparable LED printers.[7]
- Eco-Carton replaces plastic cartridge—80% reduction in plastic and 66% C02e reduction[8], free take back.[9]

For more information, please visit http://www.hp.com/go/pagewidexl5200

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

[1] The HP PageWide XL 5200 Printer series delivers 20 CAD output D/A1 prints in 1 minute. Number of pages will vary depending on the print mode and application printed.
[2] 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 Oce 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.
[3] 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.
[4] 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.
[5] 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.
[6] 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 1 year and assuming a production of 10,500 m²/month with a printing category distribution of: 70% lines, 20% low-density images, and 10% high-density images. Based on testing commissioned by HP and performed by Sogeti in September, 2020.
[7] 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 8-13 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.
[8] C02e 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.
[9] 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.

Technical specifications

General

Description	Large-format color MFP or printer
Technology	HP PageWide Technology
Applications	Line drawings; Maps; Orthophotos; Posters
Ink types	Pigment-based (C, M, Y, K)
Ink cartridges	4 (C, M, Y, K)
Cartridge size	1 L
Printheads	8 (C, M, Y, K)
Average printhead life	32 L
Printhead warranty	10 L or 12 months
Print resolution	1200 x 1200 dpi
Minimum line width	0.0008 in (HP-GL/2 addressable)
Line accuracy	±0.1%[1]

Print speed

Technical documents (from roll)	Up to 1100 ANSI D pages/hr, 20 ANSI D pages/min Up to 603 ANSI E pages/hr, 11 ANSI E pages/min
Maximum print speed	50 ft/min
Warm-up time	No warm up
First page out	20 sec (from USB)

Media

Media rolls	2 rolls default with auto-switching, expandable to 4 rolls
Roll size	11 to 40 in
Roll diameter	Up to 7 in
Roll core diameter	3 in
Grammage	19 to 53 lb
Media thickness	Up to 15.7 mil
Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek papers, matte film
Media output (standard)	High-capacity stacker (up to 500-page capacity), basket
Media output (optional)	Top stacker (up to 100-page capacity)

Embedded controller

Processor	Intel Core i3
Memory	16 GB DDR4
Hard drive	1 x 128 GB SSD, 1 x 500 GB HDD, both self-encrypted with AES-256
Native print languages	HP-GL/2, TIFF, JPEG, Adobe PostScript 3, Adobe PDF 1.7
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)

User interface

User interface	15.6-inch (396-mm) TFT (LED blacklight) 16:9-format HD capacitive touchscreen

Dimensions (w x d x h)

Printer	77 x 80.3 x 55.7 in
Shipping	88.9 x 40.9 x 62.1 in

Weight

Printer	1128 lb
Shipping	1490 lb

Environmental

Operating temperature	41 to 104ºF
Operating humidity	20 to 80% RH, depending on media type

Acoustics

Sound pressure	≤60 dB(A) (operating), ≤36 dB(A) (idle), ≤20 dB(A) (sleep)
Sound power	≤7.8 B(A) (operating), ≤5.5 B(A) (idle), ≤3.5 B(A) (sleep)

Power

Consumption	0.29 kW (typical); 0.9 kW (max printing); 100 W (ready); <18 W (sleep)
Requirements	Input voltage (auto ranging) 100-127/200-240 V (±10%), 50/60 Hz (±3 Hz), 10/5 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

Ordering information

Product

4VW16B	HP PageWide XL 5200 40-in Printer with High-capacity Stacker

Accessories

2NH46AAE	HP SmartStream Document Organizer Module
2NH47AAE	HP SmartStream Pixel Analysis Module
5EK00A	HP HD Pro 2 42-in Scanner
8SB02A	HP PageWide XL Drawer
8SB03A	HP PageWide XL High-capacity Stacker
8SB09A	HP PageWide XL Folder Upgrade Kit for Long Plots
8SF70A	HP F70 Folder
8SW00A	HP SmartStream USB Preflight Manager
8SW00AAE	HP SmartStream Preflight Manager
8SW04A	HP SmartStream Print Controller USB for HP PageWide XL 5/6/8000 Printer series
8SW04AAE	HP SmartStream Print Controller for HP PageWide XL 5/6/8000 Printer series
8SW14A	HP SmartTracker USB for HP PageWide XL 5/6/8000 Printer series
8SW14AAE	HP SmartTracker for HP PageWide XL 5/6/8000 Printer series
8SW22A	HP Click USB for HP PageWide XL 5000 Printer series
CZ320B	HP PageWide XL Top Stacker
G6H50B	HP SD Pro 44-in Scanner

Original HP printing supplies

3ED91A	HP 867 1-liter Magenta PageWide XL Ink Cartridge
3ED92A	HP 867 1-liter Yellow PageWide XL Ink Cartridge
3ED93A	HP 867 1-liter Cyan PageWide XL Ink Cartridge
3ED94A	HP 866 1-liter Black PageWide XL Ink Cartridge
3WW73A	HP 874/876 PageWide XL Cleaning Container
3WW99A	HP 841/874/876 PageWide XL Maintenance Cartridge
C1Q19A	HP 841/874 PageWide XL Printhead

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.

[1] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 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.