Datasheet

HP PageWide XL Pro 8200 40-in Multifunction Printer

Grow into new short-term applications with the fastest large-format printer[1]

Fastest response to meet the tightest deadlines[1]

- Respond immediately with the fastest large-format printer[1] with print speeds up to 30 A1 pages/minute.[2]
- Offer a combination of technical prints and short-term retail posters, and meet the different demands quickly.
- Deliver full projects 3X faster by printing mixed outputs of both CAD drawings and presentation boards.[3]
- Start printing in 50% of the time[4] with an ultra-fast processor, native PDF management, and HP SmartStream.

Grow—print poster applications, now on boards

- Gain the ability to print on boards, cardstock, and paper from A2 to B1, and thickness up to 10 mm.
- Expand into two-sided, short-term retail posters, and send them to print easily through HP SmartStream.
- Get intuitive workflows for a fast learning curve with simple application instructions through HP Learn.[5]
- Use responsibly sourced FSC®-certified papers, make recyclable prints, enjoy water-based HP pigment inks.[6]

Help boost profits—compelling end-to-end solution

- Enjoy low running costs for both CAD drawings and posters with 3-liter Original HP Eco-Carton ink cartridges.
- Free up operator time with a versatile stacker, inline folders, auto-switch, and up to 6 rolls.
- Accept new orders and at the same time, reduce manual work—save up to 50% preparation and finishing costs.[7]
- Save further with up to 10X lower energy consumption than comparable LED printers.[8]

For more information, please visit http://www.hp.com/go/pagewidexlpro8200

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] 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. Fastest response compared to the HP PageWide XL Pro 5200 Multifunction Printer.
[2] The HP PageWide XL Pro 8200 Multifunction Printer delivers 30 CAD output 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 comparing the HP PageWide XL Pro 8200 Printer and a comparable competitive printer that represents the majority market share of LED printers worldwide as of 2019 according to IDC. Test performed by printing 3 B1 posters on B1 foam and 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 gets out from out of the printer. Using equivalent print quality mode.
[4] Based on testing commissioned by HP and performed by Sogeti in September, 2020 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.
[5] HP Learn is accessible through HP PrintOS. Requires an HP PrintOS account, Internet connection, and connected Internet-capable device. For more information, see http://www.printos.com.
[6] 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. Most HP large format paper-based printing materials can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the free, convenient HP Large Format Media take-back program. Programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details.
[7] Based on testing commissioned by HP and performed by Sogeti in September, 2020 comparing the HP PageWide XL Pro 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.
[8] Energy consumption 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 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.

Technical specifications

General

Description	Large-format colour MFP
Technology	HP PageWide Technology
Applications	Line drawings; Maps; Orthophotos; Posters; Double-sided posters; Presentation boards; Wrapping paper
Ink types	Pigment-based (C, M, Y, K)
Ink cartridges	4 (C, M, Y, K)
Cartridge size	3 L
Printheads	8 (C, M, Y, K)
Average printhead life	32 L
Printhead warranty	12 months from the date of installation, or 16 L, or until the Warranty Ends date printed on the packaging, whichever comes first
Print resolution	1200 x 1200 dpi
Minimum line width	0.02 mm (HP-GL/2 addressable)
Line accuracy	±0.1%[1]

Print speed

Technical documents (from roll)	Up to 1500 A1 pages/hr, 30 A1 pages/min Up to 800 A0 pages/hr, 18 A0 pages/min
Poster full coverage (from roll)	Up to 500 m²/hr, 700 B1 pages/hr, 15 B1 pages/min
Poster full coverage (from input tray)	Up to 100 m²/hr, 3 B1 pages/min
Maximum print speed	23 m/min
Warm-up time	No warm up
First page out	18 sec (from roll and USB), 50 sec (from input tray and USB)

Media

Media rolls	2 rolls default with auto-switching, expandable to 6 rolls
Roll size	279 to 1016 mm
Roll diameter	Up to 177 mm
Roll core diameter	7.6 cm
Sheet/board size	297 to 1020 mm (width), 450[2] to 765[3] mm (length)
Standard sheets/boards	SRA3[4], A2, A1, B2, B1
Grammage	70 to 200 g/m² (roll); 80 to 1050 g/m² (sheet/board)
Media thickness	Up to 0.4 mm (roll); up to 10 mm (sheet/board)
Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek papers, matte film
Media input (standard)	Roll, input tray
Media input (optional)	Pro sheet feeder
Media output (standard)	Basket
Media output (optional)	Top stacker (100-page capacity), pro stacker (500-page capacity), online folder

Scanner

Description	91-cm CIS scanner
Speed	Colour: up to 15.24 cm/sec Greyscale: up to 25.4 cm/sec
Optical resolution	1200 dpi
Scan width	Up to 914 mm
Original thickness	0.26 mm
Maximum copy length	9.5 m
Maximum scan length	50 m (PDF), 12 m (TIFF), 8 m (JPEG)[5]
Scan format	JPEG, TIFF, multi-TIFF, PDF, PDF/A, multi-PDF, multi-PDF/A (with PostScript/PDF upgrade)
Scan features	Live preview, scan quicksets, smart background removal, black enhancement, automatic de-skew, reduce scan speed, post-edit settings (contrast, brightness, rotation, cropping and skew)
Scan destination	Printer storage, USB drive, network folder (SMB), My home folder, scan to email, scan to HP SmartStream software

Embedded controller

Processor	Intel Core i5
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
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

User interface

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

Dimensions (W x D x H)

Printer	1955 x 785 x 1637 mm
Shipping	2257 x 1040 x 1595 mm

Weight

Printer	527 kg
Shipping	655 kg

Environmental

Operating temperature	5 to 40°C
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	0.37 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

Warranty	90 days

Ordering information

Product

4VW20A	HP PageWide XL Pro 8200 40-in Multifunction Printer

Accessories

2NH46AAE	HP SmartStream Document Organizer Module
2NH47AAE	HP SmartStream Pixel Analysis Module
5EK00A	HP HD Pro 2 42-in Scanner
6UA02AAE	HP SmartStream Workflow Management Module
8SB02A	HP PageWide XL Drawer
8SB04A	HP PageWide XL Pro Stacker
8SB05A	HP PageWide XL Pro Sheet Feeder
8SB07A	HP PageWide XL PostScript/PDF Upgrade Kit
8SB09A	HP PageWide XL Folder Upgrade Kit for Long Plots
8SF61A	HP F60 Folder with Tab Applicator
8SF70A	HP F70 Folder
8SF71A	HP F70 Folder with Tab Applicator
8SW00AAE	HP SmartStream Preflight Manager
8SW05AAE	HP SmartStream Print Controller for HP PageWide XL Pro 5/8000 Printer series
8SW07AAE	HP SmartStream Print Controller Upgrade for HP PageWide XL Pro Printer series
8SW15AAE	HP SmartTracker for HP PageWide XL Pro 5/8000 Printer series
CZ320B	HP PageWide XL Top Stacker
G6H50B	HP SD Pro 44-in Scanner

Original HP printing supplies

1XA87A	HP 869 3-liter Magenta PageWide XL Pro Ink Cartridge
1XA88A	HP 869 3-liter Yellow PageWide XL Pro Ink Cartridge
1XA89A	HP 869 3-liter Cyan PageWide XL Pro Ink Cartridge
1XA90A	HP 869 3-liter Black PageWide XL Pro Ink Cartridge
3WW73A	HP 874/876 PageWide XL Cleaning Container
3WW75A	HP 876 PageWide XL Pro Printhead
3WW99A	HP 841/874/876 PageWide XL Maintenance Cartridge

Original HP large format printing materials

HP Universal Bond Paper, 3-in Core (FSC® certified)[6] (recyclable)[7]
HP Production Matte Poster Paper, 3-in Core (FSC® certified)[6] (recyclable)[7]
HP Production Satin Poster Paper, 3-in Core (FSC® certified)[6] (recyclable)[7]
HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)[6] (recyclable)[7]
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 23°C, 50-60% relative humidity, on A0 printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.
[2] 420 mm supported only in boards.
[3] Longer lengths may be supported depending on the accessories installed.
[4] A3 (Arch Band ANSI B) supported only in boards.
[5] Scanned at 200 dpi. PDF scanning available on PostScript models only.
[6] 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.
[7] Can be recycled through commonly available recycling programs.

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Adobe® PostScript® 3™

AirPrint

ColorPRO TECHNOLOGY

ENERGY STAR

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