



# HP PageWide XL 5000 Printer series

Powerful, efficient monochrome and color production with up to 30% savings in total production costs<sup>1</sup>



## LEAD

**Fast delivery times in monochrome and color**

- Up to 14 D/A1 pages/minute print speed, quick 30-second first page out
- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow<sup>2</sup>
- Start printing in 50% of the time<sup>3</sup>—an ultra-fast processor, native PDF management, HP SmartStream software
- Free up the operator—production stacker/online folder,<sup>4</sup> up to 4 rolls, dual ink supplies with auto-switch

## GROW

**Fast color, excellent document quality**

- Generate new business growth—print GIS map, point-of-sale (POS) poster applications at breakthrough speeds
- Set a new technical document standard with crisp lines, fine detail, and smooth grayscales that beat LED<sup>5</sup>
- HP PageWide XL pigment ink for dark blacks, vivid colors, moisture/fade resistance—even on uncoated bond<sup>6</sup>
- Print on a wide range of media up to 40 inches/101.6 cm—covering ISO/US technical and offset standards<sup>7</sup>

## SAVE

**Cut total production costs up to 30%<sup>1</sup>**

- Print monochrome and color technical documents at the same or lower cost than comparable LED printers<sup>8</sup>
- Do it all with one space-saving device for both monochrome and color, or opt for the MFP to print/scan/copy
- Cut job preparation and finishing costs up to 50%<sup>2</sup>
- See up to 5 times lower energy consumption than comparable LED printers<sup>9</sup>

For more information, please visit [hp.com/go/pagewidexl/5000series](http://hp.com/go/pagewidexl/5000series)



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<sup>1</sup> Production costs savings based on an HP PageWide XL 5000 Printer compared with a combination of a mid-volume monochrome LED printer and a mid-volume color production printer (both under \$40,000 USD) as of April, 2015. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>2</sup> Based on internal HP testing on the HP PageWide XL 5000 Printer compared to preparing and printing the job on two different printers (one comparable monochrome mid-volume LED printer for the monochrome pages and one color printer for the color pages). For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>3</sup> Using HP SmartStream software compared with using equivalent software programs. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>4</sup> The HP PageWide XL folder is an optional accessory. The HP PageWide XL High-capacity Stacker may be an optional accessory. Options vary by region.

<sup>5</sup> For output produced with HP PageWide XL printers and LED printers from different manufacturers and that represent greater than 50% of the annual shipments of LED printers in North America as of 2014 according to IDC. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>6</sup> Compared to prints produced with HP 970/971/980 inks that are fade and moisture resistant per ISO 11798 Permanence and Durability Methods certification. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>7</sup> ISO/US technical and offset standards include American ANSI and Architectural page size standards, ISO A technical document standard, and ISO B offset page size standard.

<sup>8</sup> Based on supplies and service costs. Monochrome technical document printing costs for comparable mid-volume LED printers based on printers for large-format printing of technical documents at speeds between 8 and 13 D/A1 per minute as of April, 2015 which represent more than 80% of the share of mid-volume LED printers in the US and Europe in 2014 according to IDC. Color technical document printing costs for comparable mid-volume color printers based on printers capable of printing 4 D/A1 pages per minute or more and under \$50,000 USD for large-format printing of technical documents as of April, 2015 and representing more than 80% of the market in the US and Europe in 2014 according to IDC. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>9</sup> Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 8 to 13 D/A1 pages per minute and which represent more than 80% of the share of mid-volume LED printers in the US and Europe according to IDC as of April, 2015. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

Beat record delivery with consolidated workflows—produce mixed monochrome and color sets in 50% of the time.<sup>2</sup> Achieve up to 30% savings in total production costs.<sup>1</sup> Save space and trim workflow cost with a single device for monochrome and color, or print/scan/copy with a multifunction printer.

## HP PageWide Technology

The HP PageWide XL 5000 Printer series includes a stationary 40-inch (101.6-cm) printbar that spans the whole printing width. As paper moves under the printbar, the entire page is printed in one pass, enabling very high printing speeds.



8 HP PageWide XL ink cartridges  
(2 x 400-ml per color with auto-switch)

## HP PageWide XL pigment ink for HP PageWide XL printers

HP PageWide XL pigment ink is specially designed to provide reliable and dependable operation with HP PageWide XL printers and produce high-quality output:

- Dark blacks and vivid colors on a range of media including uncoated bond papers
- Moisture- and fade-resistant prints<sup>6</sup>

## Proven technology for reliable operation

Designed for mid-volume production, the HP PageWide XL 5000 Printer series is based on proven HP PageWide Technology, currently powering HP PageWide Web Presses—producing 4 billion impressions monthly—and HP X series business printers.

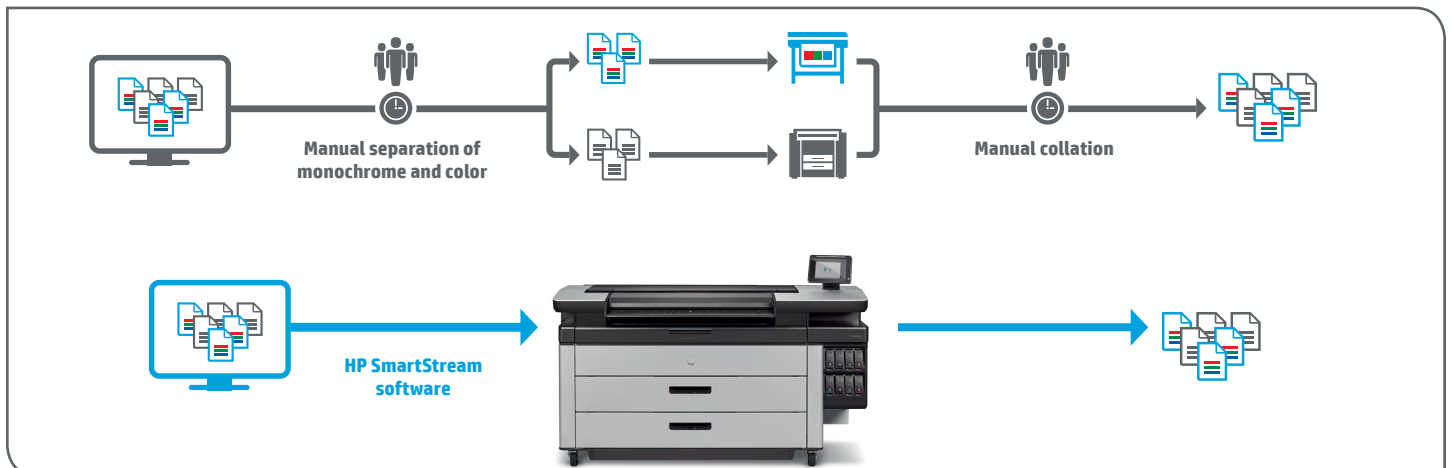
HP 841 PageWide XL Printheads provide reliable and long-life operation, with an average life per printhead of 32 liters of ink.

## Save time and reduce complexity by consolidating your monochrome and color workflows

Get away from the complex and lengthy process in which color and monochrome pages must be manually separated by an operator, who must then send color and monochrome to two different printers, and then finally manually collate the color and monochrome pages together.

Now you can consolidate your workflow by delivering mixed monochrome and color sets that help to contribute to up to 30% savings in total production costs.<sup>1</sup>

HP SmartStream software can help you improve your current technical production workflow efficiency for single, multiple operator environments by preparing your jobs in 50% of the time.<sup>3</sup>



## Print fast, deliver faster

1. Using HP SmartStream Preflight Manager, jobs can be prepared in 50% of the time<sup>3</sup>
2. With an ultra-fast processor and the embedded Adobe PDF Print Engine 3,<sup>10</sup> HP PageWide XL printers are designed for quick processing, including the most complex jobs
3. Print up to 14 D/A1 pages/minute in monochrome and color
4. Reduce the wait for short jobs with a quick, 30-second first page out

## Set a new quality standard for technical documents

HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce durable and high-quality output with dark blacks and vivid colors.

Accurate and reliable dot placement results in crisp lines, fine detail, and smooth grayscales. HP PageWide XL printers do not apply heat to the paper as part of the printing process, enabling very high levels of length accuracy ( $\pm 0.1\%$ ).

## Save space and trim workflow cost with a single device for monochrome and color, or print/scan/copy with a multifunction printer



1. **Up to 4 rolls**—automatic roll switching when a roll is depleted or a different page size is selected.
2. **Dual 400-ml HP ink supplies** with auto-switch—replace used cartridges while the printer is running.
3. **8-inch touchscreen**—status light reports current status and provides progressive alerts on potential issues that could impact production (i.e., out of paper or ink).
4. **Top stacker** designed to save space. With a capacity of up to 100 pages. Combine with the HP PageWide XL Folder<sup>4</sup> or the HP PageWide XL High-capacity Stacker for second output path.
5. **High-capacity** output solutions specially designed to keep up with HP PageWide XL print speeds (HP PageWide XL High-capacity Stacker and HP PageWide XL Folder).<sup>4</sup>

<sup>10</sup> Adobe PDF Print Engine 3 is the next-generation rendering platform, optimized for end-to-end PDF workflows. Adobe PDF Print Engine 3 combines performance optimizations with a new scalability framework to power high-speed digital presses, large-format printers, and CTP platesetters. Adobe PDF Print Engine 3 is the fastest rendering platform for reliable reproduction of complex, graphically rich content. To learn more, visit [adobe.com/products/pdfprintengine](http://adobe.com/products/pdfprintengine).

# Technical specifications

<b>General</b>	Description	Large-format color MFP or printer	
	Technology	HP PageWide Technology	
	Applications	Line drawings, Maps, Orthophotos, Posters	
	Ink types	Pigment-based (cyan, magenta, yellow, black)	
	Ink cartridges	8 (2x 400-ml per color) with auto-switch	
	Printheads	8x HP 841 PageWide XL Printheads	
	Average printhead life	32 liters	
	Printhead warranty	10 liters or 12 months from installation	
	Print resolution	1200 x 1200 dpi	
	Minimum line width	0.0008 in (0.02 mm) (HP-GL/2 addressable)	
	Guaranteed minimum line width	0.0033 in (0.085 mm) (ISO/IEC 13660:2001(E)) <sup>11</sup>	
	Line accuracy	+/- 0.1% <sup>12</sup>	
	Maximum print speed	27.8 ft/min (9 m/min)	
	A1/Arch D/ANSI D (long edge first)	14 pages/min, <sup>13</sup> 600 pages/h	
	A0/Arch E/ANSI E (short edge first)	7 pages/min, 300 pages/h	
ISO B1 (long edge first)	10 pages/min, 500 pages/h		
Warm-up time	No warm up		
First page out	30 sec (from Ready mode)		
<b>Media</b>	Media rolls	2 rolls default with auto-switching, expandable to 4 rolls	
	Roll width	11 to 40 in (279 to 1016 mm)	
	Roll length	Up to 650 ft (200 m)	
	Roll diameter	Up to 7 in (177 mm)	
	Roll core diameter	3 in (7.6 cm)	
	Printable width	Up to 39.4 in (1000 mm)	
	Printable length <sup>14</sup>	Up to 295 ft (90 m) for CAD and 98 ft (30 m) for poster	
	Media weight	19 to 53 lb (70 to 200 g/m <sup>2</sup> )	
	Media thickness	Up to 15.7 mil (0.4 mm)	
	Media types	Bond and recycled papers, poster papers, polypropylene, tyvek, matte film	
	Media output (standard)	Basket	
	Media output (optional)	High-capacity stacker, online folder, <sup>4</sup> top stacker	
	Maximum page size	40 x 48 in (102 x 122 cm) <sup>15</sup>	
	Capacity	Up to 500 pages	
	Media weight	19 to 53 lb (70 to 200 g/m <sup>2</sup> )	
Dimensions	55.6 x 49.1 x 42.6 in (101 x 125 x 108 cm)		
Weight	308 lb (140 kg)		
<b>Online folder<sup>4</sup></b>	Page width	11 to 36 in (28 to 91.4 cm)	
	Page length	Cross fold: 8.2 ft (2.5 m) Fan fold: 19.7 ft (6 m) (standard), unlimited (optional with HP PageWide XL Folder Upgrade Kit for Long Plots)	
	Media weight for folding	20 to 24 lb (75 to 90 g/m <sup>2</sup> )	
	Media weight for stacking	20 to 53 lb (75 to 200 g/m <sup>2</sup> )	
	Capacity	Up to 150 (A0)	
	Dimensions	64 x 49 x 72.5 in (1626 x 1245 x 1842 mm) (1626 x 1245 x 2150 mm with Tab applicator (64 x 49 x 84.6 in))	
	Weight	683 lb (310 kg), (772 lb (350 kg) with Tab applicator)	
	Tab applicator	Available with HP PageWide XL Folder with Tab applicator only	
	<b>Scanner</b>	Description	36-in (91-cm) CIS scanner
		Speed	Color: up to 3 in/sec (7.62 cm/sec) at 200 dpi Grayscale: up to 10 in/sec (25.4 cm/sec) at 200 dpi
		Optical resolution	1200 dpi
		Scan width	Up to 36 in (914 mm)
		Original thickness	Up to 0.01 in (0.26 mm)
		Maximum copy length	374.48 in (9512 mm)
		Maximum scan length	708.66 in (18000 mm) (TIFF, 24-in wide original at 200 dpi), 314.96 in (8000 mm) (JPEG), 196.85 in (5000 mm) (PDF)
Scan format (standard)		JPEG, TIFF, PDF 1.4, multi-page PDF 1.4	
Scan features		Preview with cropping, scan quicksets, batch scanning	
Scan destination		USB, network folder (SMB), scan to email, scan to HP SmartStream software	
<b>Embedded controller</b>		Processor	Intel Core i3
		Memory	8 GB DDR3
		Hard drive	1x 500 GB HDD, self-encrypted with AES-256
		Print languages (standard)	HP-GL/2, PCL 3 Win, Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG
<b>Connectivity</b>		Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin
	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)	
	Printing paths	HP SmartStream software (optional) HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDF, HP-GL/2, and PS)	
<b>User interface</b>	User interface	8-inch capacitive touchscreen	
<b>Dimensions (w x d x h)</b>	Printer	77.2 x 31.5 x 51.3 in (1960 x 800 x 1303 mm)	
	MFP	77.2 x 34 x 51.3 in (1960 x 864 x 1303 mm)	
	Depth: 31.5 + 2.5 in removable scanner input tray to pass through doorways (800 + 64 mm)		
	Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)	

<sup>11</sup> Measured on HP Universal Bond Paper.  
<sup>12</sup> +/- 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 Original HP inks.  
<sup>13</sup> Print speed while printing to the HP PageWide XL High-capacity Stacker. When printing to the top stacker, the maximum print speed is 12 pages/minute.  
<sup>14</sup> For longer plots (up to 656 ft), image quality might be affected.  
<sup>15</sup> Long plots with reduced capacity.  
<sup>16</sup> BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit HPLFMedia.com.

<b>Weight</b>	Printer	948 lb (430 kg)
	Shipping	1148 lb (521 kg)
<b>Environmental</b>	Operating temperature	41 to 104°F (5 to 40°C)
	Recommended temperature	59 to 95°F (15 to 35°C)
	Operating humidity	20 to 80% RH, depending on media type
<b>Acoustic</b>	Sound pressure	53 dB(A) (printing), 35 dB(A) (ready), <24 dB(A) (sleep)
	Sound power	7.1 B(A) (printing), 5.2 B(A) (ready), 4.2 B(A) (sleep)
<b>Power</b>	Consumption	0.46 kW (typical); 0.8 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
	Requirements	Input voltage (auto ranging) 100-127/200-240 ± 10% VAC, 50/60 ± 3 Hz, 10/5 A
<b>Certification</b>	Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC)
	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 Silver, CE marking (including RoHS, WEEE, REACH). In compliance with WW RoHS materials restriction requirements in China, Korea, India, Vietnam, Turkey, Serbia, and Ukraine.
<b>Warranty</b>	90 days	

## Ordering information

<b>Product</b>	CZ310B	HP PageWide XL 5000 40-in Printer with High-capacity Stacker and PostScript/PDF	
	CZ310C	HP PageWide XL 5000 40-in Printer with Top Stacker and PostScript/PDF	
	CZ311B	HP PageWide XL 5000 40-in Multifunction Printer with High-capacity Stacker and PostScript/PDF	
	CZ311C	HP PageWide XL 5000 40-in Multifunction Printer with Top Stacker and PostScript/PDF	
<b>Accessories</b>	CZ318A	HP PageWide XL Drawer	
	CZ319A	HP PageWide XL High-capacity Stacker	
	CZ320A	HP PageWide XL Top Stacker	
	G6H50B	HP SD Pro 44-in Scanner	
	G6H51B	HP HD Pro 42-in Scanner	
	K5H75A	HP PageWide XL Folder	
	L3J69AAE	HP SmartStream Preflight Manager	
	L3J74AAE	HP SmartStream Print Controller for HP PageWide XL 5000 Printer series	
	L3M58A	HP PageWide XL Folder with Tab Applicator	
	MOV04A	HP PageWide XL Folder Upgrade Kit for Long Plots	
<b>Original HP PageWide XL printheads and consumables</b>	C1Q19A	HP 841 PageWide XL Printhead	
	F9J47A	HP 841 PageWide XL Cleaning Container	
	F9J48A	HP 841 PageWide XL Maintenance Cartridge	
	<b>Original HP PageWide XL ink cartridges</b>	F9J82A	HP 848A 400-ml Black PageWide XL Ink Cartridge
		F9J83A	HP 848A 400-ml Cyan PageWide XL Ink Cartridge
		F9J84A	HP 848A 400-ml Magenta PageWide XL Ink Cartridge
		F9J85A	HP 848A 400-ml Yellow PageWide XL Ink Cartridge
	<b>Original HP large format printing materials</b>	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified) <sup>16</sup> 36 in x 500 ft (914 mm x 152.4 m)
		L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) <sup>16</sup> 40 in x 300 ft (1016 mm x 91.4 m)
		L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) <sup>16</sup> 40 in x 300 ft (1016 mm x 91.4 m)
L5C80A		HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>16</sup> 36 in x 300 ft (914 mm x 91.4 m)	
L6B19A		HP Matte Polypropylene, 3-in Core 40 in x 150 ft (1016 mm x 45.7 m)	

Enjoy best-in-class support services, knowing HP works with HP PageWide XL Channel Partners to enable them to be properly trained, certified, and equipped to meet your needs. With efficient support and innovative support features, such as printer self-monitoring, predefined resolution paths, and intuitive maintenance wizards, you can work with confidence every day. For more information, please visit [hp.com/go/pagewidexservice](http://hp.com/go/pagewidexservice).

HP Financial Services can help you acquire an HP PageWide XL printing solution and accelerate the benefits to your business. Our solutions can help you increase your flexibility by preserving cash, freeing up budgets with a monthly payment structure, and offering an easy option to upgrade to the latest model when your business is ready. For more information, please visit [hp.com/hpfinancialservices](http://hp.com/hpfinancialservices).

Find the media solution that fits your business and your HP PageWide XL printer at [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator)

### Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered<sup>1</sup>
- Free, convenient HP ink cartridge recycling<sup>2</sup>
- FSC®-certified papers,<sup>3</sup> range of recyclable HP media<sup>4</sup>



<sup>1</sup> EPEAT registered where applicable and/or supported. See [epeat.net](http://epeat.net) for registration status and rating by country.  
<sup>2</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.  
<sup>3</sup> BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit HPLFMedia.com.  
<sup>4</sup> Can be recycled through commonly available recycling programs.

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

