



# HP PageWide XL 5000 Blueprinter

Powerful black and white and blueprint production



## LEAD

### Fast delivery of black and white, blueprints

- Up to 14 A1/minute for whiteprints and digital blueprints; 12 A1/minute for natural tracing paper
- Start printing in 50% of the time<sup>1</sup>—an ultra-fast processor, native PDF management, HP SmartStream software
- Free up the operator—production stacker/online folder,<sup>2</sup> up to 4 rolls, dual ink supplies with auto-switch
- Minimize downtime with proven HP PageWide Technology for high-volume print production<sup>3</sup>

## OPTIMIZE

### Improve workflows and help reduce costs

- Competitive cost of operation compared to analog blueprinters and black-and-white LED printers<sup>4</sup>
- Reduce complexity—eliminate manual steps and prevent errors with an automated end-to-end digital workflow
- Easy integration into your workflow—print from your PC or make copies with the integrated 1200 dpi scanner
- With no ammonia, you can place your HP blueprinter anywhere to help create a healthier work environment

## IMPRESS

### Set a new quality standard

- Produce crisp lines, fine detail, and smooth grayscales clearly superior to analog blueprints and LED<sup>5</sup>
- HP PageWide XL pigment ink produces archival prints that are moisture and fade resistant<sup>6</sup>
- Print from a single printer with black and two tones of blue for printing black and blue with adjustable hue

For more information, please visit  
[hp.com/go/pagewidexl5000blueprinter](http://hp.com/go/pagewidexl5000blueprinter)



reddot award 2016  
best of the best



Dynamic security enabled printer. Cartridges using a non-HP chip might not work and those that work today might not work in the future. More at: [hp.com/go/learnaboutsplies](http://hp.com/go/learnaboutsplies)

**Note:** HP PageWide XL printers are not designed to use continuous ink systems. HP PageWide XL printers are designed for ink cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause the printer to fail, and voids the HP ink cartridge warranty.

<sup>1</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>2</sup> The production stacker and online folder are optional accessories.

<sup>3</sup> Proven HP PageWide Technology powers HP PageWide Web Presses—currently producing 4 billion impressions monthly—and HP PageWide Pro and HP PageWide Enterprise printers.

<sup>4</sup> Cost of operation is competitive with analog blueprinters and black-and-white LED printers under \$40,000 USD in the market as of March, 2015. Source: HP research in China based on customer interviews and focus groups.

<sup>5</sup> Print quality comparison with black-and-white LED printers for output produced with HP PageWide XL printers and LED printers from different manufacturers and that represent greater than 50% of the annual shipments as of 2014 of LED printers in North America according to IDC. Comparison with analog blueprinters. 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).

Improve the way you work—do more in a day, set a new quality standard. Move your business into more productive printing. Fast speeds, simplified and automated workflows, and superior document quality<sup>5</sup> empower you to serve your clients in new ways—at a cost competitive to what you have today.<sup>4</sup>

## HP PageWide Technology

The HP PageWide XL 5000 Blueprinter includes a stationary 101.6-cm (40-inch) 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.

## HP PageWide XL pigment ink for HP PageWide XL blueprinters

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

- Crisp lines, fine detail, and smooth grayscales
- Archivable, moisture- and fade-resistant prints<sup>6</sup>

## Proven technology for reliable operation

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

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

## Print fast, deliver faster

1. Using HP SmartStream Preflight Manager, jobs can be prepared in 50% of the time<sup>1</sup>
2. With an ultra-fast processor and the embedded Adobe PDF Print Engine 4,<sup>7</sup> HP PageWide XL blueprinters are designed for quick processing, including the most complex jobs
3. Printing up to 14 A1/minute for whiteprints and digital blueprints; 12 A1/minute for natural tracing paper
4. Printing up to 20 A1/minute for whiteprints and digital blueprints with the HP PageWide XL 5000 Blueprinter Speed Upgrade Kit

## 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.

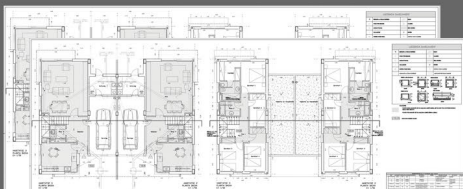
Accurate and reliable dot placement results in crisp lines, fine detail, and smooth grayscales. HP PageWide XL blueprinters do not apply heat to the paper as part of the printing process, enabling very high levels of line accuracy ( $\pm 0.1\%$ ).

## Print black and white, and blue

Take care of all your technical document production with just one printer.



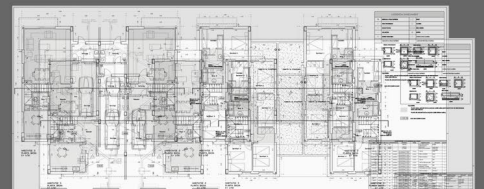
8 HP PageWide XL ink cartridges  
(2 x 400-ml black and B1, 4 x 400-ml B2)  
with auto-switch



Black and white





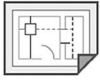
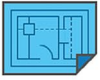







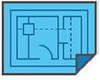






Blueprint



Natural tracing paper

Easily scan and copy from any original and to any output type, thanks to the integrated 1200 dpi scanner and its advanced, easy-to-use workflow features.

|   |  |   |  |
|---|--|---|--|
| <p><b>B&amp;W lines</b></p>  <p> Basket<br/> Grayscale</p> <p> Edit</p> | <p><b>B&amp;W to blueprint</b></p>  >  <p> Basket<br/> Grayscale</p> <p> Edit</p> | <p><b>Blueprint to blueprint</b></p>  <p> Basket<br/> Grayscale</p> <p> Edit</p> | <p><b>Blueprint to B&amp;W</b></p>  >  <p> Basket<br/> Grayscale</p> <p> Edit</p> |
|---|--|---|--|

## Reduce complexity—eliminate manual steps and prevent errors with an automated end-to-end digital workflow



- 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. Easy integration into your workflow**—print from your PC or make copies with the integrated 1200 dpi scanner.
- 4. 203-mm (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).
- 5. Top stacker**—designed to save space, with capacity up to 100 pages.
- 6. High-capacity output solutions**—HP PageWide XL Folder and HP PageWide XL High-capacity Stacker specially designed to keep up with HP PageWide XL print speeds.

# Technical specifications

|                                  |  |  |   |
|----------------------------------|--|--|---|
| <b>General</b>                   | Description                              | Large-format black-and-white blueprint MFP   |   |
|                                  | Technology                               | HP PageWide Technology   |   |
|                                  | Applications                             | Blueprints, Line drawings  |   |
|                                  | Ink types                                | Pigment-based (black, B1, B2)  |   |
|                                  | Ink cartridges                           | 8 (2 x 400-ml black and B1, 4 x 400-ml B2) with auto-switch  |   |
|                                  | Printheads                               | 8 x HP B41 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                       | 0.02 mm (0.0008 in) (HP-GL/2 addressable)  |   |
|                                  | Guaranteed minimum line width            | 0.085 mm (0.0033 in) (ISO/IEC 13660:2001(E)) <sup>8</sup>  |   |
|                                  | Line accuracy                            | ± 0.1% <sup>9</sup>  |   |
|                                  | <b>Print speed<sup>10</sup></b>          | Maximum print speed <sup>11</sup>  | 9 m/min (27.8 ft/min)<br>15.24 m/min (49.8 ft/min) with optional speed upgrade                        |
|                                  |  | A1/Arch D/ANSI D (long edge first)   | 14 pages/min, 600 pages/hr<br>20 pages/min, 1140 pages/hr with optional speed upgrade                 |
|                                  |  | A0/Arch E/ANSI E (short edge first)  | 7 pages/min, 300 pages/hr<br>11 pages/min, 640 pages/hr with optional speed upgrade                   |
| A0 NTP media (short edge first)  |  | 6 pages/min, 250 pages/hr  |   |
| A1 NTP media (long edge first)   |  | 12 pages/min   |   |
| Warm-up time                     |  | 3 min  |   |
| 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                               | 279 to 1016 mm (11 to 40 in)   |   |
|                                  | Roll length                              | Up to 200 m (650 ft)   |   |
|                                  | Roll diameter                            | Up to 177 mm (7 in)  |   |
|                                  | Roll core diameter                       | 7.6 cm (3 in)  |   |
|                                  | Printable width                          | Up to 1000 mm (39.4 in)  |   |
|                                  | Printable length                         | Up to 200 m (650 ft) <sup>12</sup>   |   |
|                                  | Media weight                             | 70 to 200 g/m <sup>2</sup> (19 to 53 lb)   |   |
|                                  | Media thickness                          | Up to 0.4 mm (15.7 mil)  |   |
|                                  | Media types                              | Bond and recycled papers, coated papers, blue papers, natural tracing papers   |   |
|                                  | Media output (standard)                  | Basket   |   |
|                                  | Media output (optional)                  | High-capacity stacker, online folder, top stacker  |   |
|                                  | <b>High-capacity stacker<sup>2</sup></b> | Maximum page size  | 102 x 122 cm (40 x 48 in) <sup>13</sup>   |
|                                  |  | Capacity   | Up to 500 pages   |
|                                  |  | Media weight   | 70 to 200 g/m <sup>2</sup> (19 to 53 lb)  |
| Dimensions                       |  | 101 x 125 x 108 cm (55.6 x 49.1 x 42.6 in)   |   |
| Weight                           |  | 140 kg (308 lb)  |   |
| <b>Online folder<sup>2</sup></b> | Page width                               | 28 to 91.4 cm (11 to 36 in)  |   |
|                                  | Page length                              | Cross fold: 2.5 m (8.2 ft)<br>Fan fold: 6 m (19.7 ft) (standard), unlimited (optional with HP PageWide XL Folder Upgrade Kit for Long Plots) |   |
|                                  | Media weight for folding                 | 75 to 90 g/m <sup>2</sup> (20 to 24 lb)  |   |
|                                  | Media weight for stacking                | 75 to 200 g/m <sup>2</sup> (20 to 53 lb)   |   |
|                                  | Capacity                                 | Up to 150 (A0)   |   |
|                                  | Dimensions                               | 2100 x 1620 x 1220 mm (82.7 x 63.8 x 48 in)  |   |
|                                  | Weight                                   | 360 kg (794 lb)  |   |
|                                  | 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 7.62 cm/sec (3 in/sec) at 200 dpi<br>Grayscale: up to 25.4 cm/sec (10 in/sec) at 200 dpi |
| Optical resolution               |  | 1200 dpi   |   |
| Scan width                       |  | Up to 914 mm (36 in)   |   |
| Original thickness               |  | Up to 0.26 mm (0.01 in)  |   |
| Maximum copy length              |  | 9512 mm (374.48 in)  |   |
| Maximum scan length              |  | 18000 mm (708.66 in) (TIFF, 24-in-wide original at 200 dpi), 8000 mm (314.96 in) (JPEG), 5000 mm (196.85 in) (PDF)                           |   |
| Scan format                      |  | Standard: JPEG, TIFF; optional: PDF 1.4, multipage PDF 1.4 (with PS/PDF upgrade)   |   |
| 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   | 1 x 500 GB HDD, self-encrypted with AES-256   |
|                                  |  | Print languages (standard)   | HP-GL/2, PCL 3 Win  |
|                                  |  | Print languages (optional)   | Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade)                                   |
|                                  | Remote management                        | HP Partner Link, HP Embedded Web Server, HP Web Jetadmin   |   |

<sup>7</sup> The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 4 extends APPE's leading edge for print reproduction with new performance efficiencies and breakthrough rendering features. APPE 4 enables printers to increase workflow efficiency and capitalize on the profit potential of innovations in inkjet print technology. To learn more, visit [adobe.com/products/pdfprintengine](http://adobe.com/products/pdfprintengine).

<sup>8</sup> Measured on HP Universal Bond Paper.

<sup>9</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 HP PageWide XL pigment inks.

<sup>10</sup> Print speed while printing to the HP PageWide XL High-capacity Stacker.

<sup>11</sup> Measured using 91-cm (36-in) print width.

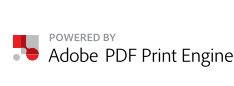
<sup>12</sup> For longer plots (up to 200 m (656 ft)), image quality might be affected.

<sup>13</sup> Long plots with reduced capacity.

<sup>14</sup> Printing to non-HP large format printers is done through specific drivers, each of them covering several printers: Océ Windows Printer Driver (WPD), KIP Windows Driver WHQL, RICOH PostScript Driver, Xerox WHQL Driver. For more information, please visit: [hp.com/go/smartstream/trial](http://hp.com/go/smartstream/trial).

<sup>15</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit [HPLFMedia.com](http://HPLFMedia.com).

<sup>16</sup> Can be recycled through commonly available recycling programs.



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|                       |                         |   |
|-----------------------|-------------------------|---|
| <b>Connectivity</b>   | Interfaces              | TCP/IP, BootP/DHCP, USB 2.0 host (certified)  |
|                       | Printing paths          | HP SmartStream software (optional)<br>HP Universal Print Driver (HP-GL/2 and PS)<br>HP PageWide XL print drivers (PDF, HP-GL/2, and PS)   |
| <b>User interface</b> | User interface          | 203-mm (8-inch) capacitive touchscreen  |
| <b>Dimensions</b>     | MFP                     | 1960 x 800 x 1303 mm (77.2 x 31.5 x 51.3 in)  |
|                       | Shipping                | 2180 x 1068 x 1764 mm (86.8 x 42.1 x 69.5 in)   |
| <b>Weight</b>         | MFP                     | 430 kg (948 lb)   |
|                       | Shipping                | 521 kg (1148 lb)  |
| <b>Environmental</b>  | Operating temperature   | 5 to 40°C (41 to 104°F)   |
|                       | Recommended temperature | 15 to 35°C (59 to 95°F)   |
|                       | 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); 2.2 kW (max printing); 108.4 watts (ready); <1 watts (< 4.6 watts with embedded Digital Front End) (sleep)   |
|                       | Requirements            | Input voltage (auto ranging) 200-240 V (± 10%), 50/60 Hz (± 3 Hz), 12 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>                                | CZ316A   | HP PageWide XL 5000 40-in Blueprinter  |
| <b>Accessories</b>                            | CZ317A   | HP PageWide XL PostScript/PDF Upgrade Kit                                      |
|   | CZ318A   | HP PageWide XL Drawer  |
|   | CZ319A   | HP PageWide XL High-capacity Stacker   |
|   | CZ320A   | HP PageWide XL Top Stacker   |
|   | K5H75A   | HP PageWide XL Folder  |
|   | L3M58A   | HP PageWide XL Folder with Tab Applicator                                      |
|   | MOV04A   | HP PageWide XL Folder Upgrade Kit for Long Plots                               |
|   | L3J69AAE | HP SmartStream Preflight Manager   |
|   | L3J71AAE | HP SmartStream Preflight Manager One-Year Subscription                         |
|   | L3J75AAE | HP SmartStream Print Controller for HP PageWide XL 5000 Blueprinter            |
|   | T9B46AAE | HP SmartStream Print Controller for non-HP Large Format printers <sup>14</sup> |
|   | X3B47A   | HP PageWide XL 5000 Blueprinter Speed Upgrade Kit                              |
|   | C1Q19A   | HP B41 PageWide XL Printhead   |
|   | F9J47A   | HP B41 PageWide XL Cleaning Container  |
|   | F9J48A   | HP B41 PageWide XL Maintenance Cartridge                                       |
| <b>Original HP PageWide XL ink cartridges</b> | F9J72A   | HP B47B 400-ml Black PageWide XL Ink Cartridge                                 |
|   | F9J73A   | HP B47B 400-ml B1 PageWide XL Ink Cartridge                                    |
|   | F9J74A   | HP B47B 400-ml B2 PageWide XL Ink Cartridge                                    |

Dynamic security enabled printer. Cartridges using a non-HP chip might not work and those that work today might not work in the future. More at: [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

|  |        |  |
|--|--------|--|
| <b>Original HP large format printing materials</b> | L4L08A | HP Universal Bond Paper, 3-in Core (FSC® certified) <sup>15</sup>      |
|  | L4Z45A | HP Bright White Inkjet Paper, 3-in Core (FSC® certified) <sup>15</sup> |
|  | L5C74A | HP Universal Coated Paper, 3-in Core (FSC® certified) <sup>15</sup>    |

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/pagewidexlservice](http://hp.com/go/pagewidexlservice).

HP Financial Services can help you acquire an HP PageWide 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.

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<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)

