

# HP PageWide XL 4500 Printer series



Keep the focus on creating – fast, consolidated monochrome and colour printing, even print/scan/copy



## FASTER – Monochrome and colour, faster than LED<sup>1</sup>

- Move projects forward – up to 12 A1 pgs/min monochrome and colour, quick 30-second first page out.
- Print, scan, copy in a single device – integrated 1200 dpi scanner with advanced and convenient workflows.
- It's simple – a single, easy-to-use device that meets all your printing and scanning needs.
- Focus on your project, not the printer – up to 4 rolls with 100-page integrated stacker.

## SAVE – Better document quality vs LED, lower cost<sup>2</sup>

- Run at lower costs than low-volume LED<sup>1</sup> – in monochrome and colour.
- Produce excellent technical documents – crisp lines, fine detail, smooth greyscales that beat LED.<sup>2</sup>
- HP PageWide XL pigment ink for dark blacks, vivid colours, moisture/fade resistance – even on uncoated bond.<sup>3</sup>
- Use half the energy per page compared to equivalent LED printers.<sup>4</sup>

## SECURE – Help meet tough IT, reliability standards

- Protect and manage confidential jobs more securely – retrieve documents at the printer with a PIN.
- Help safeguard confidential information using a self-encrypting HDD with AES-256, Secure Disk Erase and IPsec.
- Reduce time and costs of managing individual drivers by using HP DesignJet Universal Print Driver.
- Rely on proven HP PageWide Technology for dependable production printing.<sup>5</sup>

## Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR<sup>®</sup> certified<sup>1</sup> and EPEAT Silver registered<sup>2</sup>
- Free, convenient HP ink cartridge recycling<sup>3</sup>
- FSC<sup>®</sup>-certified papers<sup>4</sup>, range of recyclable HP media<sup>5</sup>



<sup>1</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.  
<sup>2</sup> EPEAT registered where applicable and/or supported. See <http://www.epeat.net> for registration status and rating by country.  
<sup>3</sup> Programme availability varies. Please check <http://www.hp.com/recycle> for details.  
<sup>4</sup> BMG trademark license code FSC<sup>®</sup>-C115319, see [fsc.org](http://www.fsc.org). HP trademark license code FSC<sup>®</sup>-C017543, see <http://www.fsc.org>. Not all FSC<sup>®</sup>-certified products are available in all regions. For information about HP large format printing materials, please visit <http://www.HPLFMedia.com>  
<sup>5</sup> Can be recycled through commonly available recycling programs.

<sup>1</sup> Fastest based on alternative low-volume LED printers and MFPs (under 7 A1 pages/minute) as of April, 2015. Operational costs based on low-volume LED technology under 20,000 € in the market as of April, 2015. Operational costs consist of supplies and service costs. For testing criteria, see <http://www.hp.com/go/pagewidexclaims>.  
<sup>2</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 <http://www.hp.com/go/pagewidexclaims>.  
<sup>3</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 <http://www.hp.com/go/pagewidexclaims>.  
<sup>4</sup> Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 4 to 6 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 <http://www.hp.com/go/pagewidexclaims>.  
<sup>5</sup> Proven HP PageWide Technology powers HP PageWide Web Presses – currently producing 4 billion impressions monthly – and HP X series business printers.

## Technical specifications

| Printing                           |  |
|------------------------------------|--|
| Printer description                | Large-format colour printer or MFP   |
| Print Resolution                   | 1200 x 1200 dpi  |
| Technology                         | HP PageWide Technology   |
| Ink Types                          | Pigment-based (cyan, magenta, yellow, black)   |
| Ink cartridges                     | 4 (1 x 400 ml per colour)  |
| Printheads                         | 8 x HP 841 PageWide XL Printheads  |
| Average printhead life             | 32 litres  |
| Printhead warranty                 | 10 litres or 12 months from installation   |
| Minimum line width                 | 0.02 mm (HP-GL/2 addressable)  |
| Guaranteed minimum line width      | 0.085 mm (ISO/IEC 13660:2001 (E))  |
| Line accuracy                      | +/- 0.1%   |
| Print speed                        |  |
| Maximum print speed                | 7.3 m/min (Measured using 91 cm print width)   |
| A1/Arch D/ANSI D (long edge first) | 12 pages/min   |
| Warm-up time                       | No warm up   |
| First page out                     | 30 sec (from Ready mode)   |
| Media                              |  |
| Roll diameter                      | Up to 177 mm   |
| Roll core diameter                 | 7.6 cm   |
| Printable length                   | Up to 90 m for CAD and 30 m for poster   |
| Media types                        | Bond and recycled papers, poster papers, polypropylene, tyvek                                    |
| Maximum Number of Media Rolls      | 2 rolls default with auto-switching, expandable to 4 rolls                                       |
| Maximum roll length                | Up to 200 m  |
| Media sizes                        | 279 to 1016 mm   |
| Paper handling standard/output     | Basket and top stacker   |
| Scan                               |  |
| Scan type                          | <b>CZ312A:</b> 91 cm (36") CIS scanner   |
| Scan speed                         | <b>CZ312A:</b> Colour: up to 7.62 cm/sec; Greyscale: up to 25.4 cm/sec                           |
| Scan resolution                    | <b>CZ312A:</b> 1200 dpi  |
| Scan size maximum                  | <b>CZ312A:</b> Up to 914 mm  |
| Media thickness                    | <b>CZ312A:</b> Up to 0.26 mm   |
| Scan file format                   | <b>CZ312A:</b> Standard: JPEG, TIFF; Optional: PDF 1.7, multi-page PDF 1.7 (with PS/PDF upgrade) |
| Scanner advanced features          | <b>CZ312A:</b> Preview with cropping, scan quicksets, batch scanning                             |

| Embedded controller    |   |
|------------------------|---|
| Print languages        | HP-GL/2, PCL 3 Win; 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  |
| <b>Applications</b>    | Line drawings; Maps; Orthophotos; Posters   |
| <b>Processor</b>       | Intel Core i3   |
| Memory                 |   |
| RAM                    | 8 GB DDR3   |
| Hard disk              | 1 x 500 GB HDD, self-encrypted with AES-256   |
| Connectivity           |   |
| 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>  | 8-inch capacitive touchscreen   |
| Dimensions (w x d x h) |   |
| Printer:               | 1960 x 800 x 1303 mm  |
| Packaging:             | 2180 x 1068 x 1764 mm   |
| Weight                 |   |
| Printer:               | <b>CZ312A:</b> 430 kg; <b>CZ313A:</b> 415 kg;   |
| <b>Acoustics</b>       | Sound pressure: ≤ 53 dB(A) (printing) ≤ 24 dB(A)<br>Sound power: ≤ 6.8 B(A) (printing) ≤ 4.2 B(A)   |
| Environmental ranges   |   |
| Operating temperature  | 15 to 35°C  |
| Operating humidity     | 20 to 80% RH, depending on media type   |
| Power                  |   |
| Consumption            | 0.4 kW (typical); 1.2 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)                                 |
| Requirements           | Input voltage (auto ranging) 100 to 127/200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 7/3.5 A  |
| Certification          |   |
| 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 compliant; RoHS; WEEE; REACH   |
| <b>Warranty</b>        | 90 days   |

## Ordering information

| Product                | What's in the box                                      |
|------------------------|--|
| CZ312A                 | HP PageWide XL 4500 40-in Multifunction Printer        |
| CZ313A                 | HP PageWide XL 4500 40-in Printer                      |
| Accessories            |  |
| CZ317A                 | HP PageWide XL PostScript/PDF Upgrade Kit              |
| CZ318A                 | HP PageWide XL Drawer                                  |
| G6H50A                 | HP Designjet SD Pro Scanner                            |
| G6H51A                 | HP Designjet HD Pro Scanner                            |
| L3J69AAE               | HP SmartStream Preflight Manager                       |
| L3J71AAE               | HP SmartStream Preflight Manager One-Year Subscription |
| Original HP Printheads |  |
| C1Q19A                 | HP 841 PageWide XL Printhead                           |

| Original HP ink cartridges and maintenance supplies |  |
|---|--|
| C1Q65A  | HP 843C 400-ml Black PageWide XL Ink Cartridge   |
| C1Q66A  | HP 843C 400-ml Cyan PageWide XL Ink Cartridge    |
| C1Q67A  | HP 843C 400-ml Magenta PageWide XL Ink Cartridge |
| C1Q68A  | HP 843C 400-ml Yellow PageWide XL Ink Cartridge  |
| F9J47A  | HP 841 PageWide XL Cleaning Container            |
| F9J48A  | HP 841 PageWide XL Maintenance Cartridge         |



For more information, please visit

<http://www.hp.com/go/pagewidexl4500>

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