



HP DesignJet Z6810 42-in Production Printer

The fastest high-quality production printing solution¹



IMPRESSIVE—Meet high-quality expectations

- Help your customers stand out from impactful photos to detailed maps/line drawings, with optimized printheads.
- Avoid rework with consistent, accurate color across prints and printers, with embedded spectrophotometer.³
- Meet your customers' expectations for precise colors with HP Professional PANTONE® color emulation.⁴

PRODUCTIVE—Increase your production volumes

- Accommodate production peaks with print speeds up to 177 ft²/hr on glossy and 236 ft²/hr on coated paper.⁵
- Handle more jobs with 500 GB hard disk capacity.
- Work without interruption with long media rolls and 775-ml HP ink cartridges.

RELIABLE—No need to change the way you work

- Seamlessly integrate with the market-leading RIPs, enabled by HP's RIP certification program.²
- Turn operator efficiency into operating profit with HP SmartStream job preparation and processing software.
- Easily create content and submit jobs using the HP Applications Center.⁶
- Enjoy one-click printing that also helps reduce media waste using HP Click printing software.⁷

For more information, please visit <http://www.hp.com/go/designjetz6810>

¹ Compared with large-format photo inks inkjet printers under \$10,000 USD for graphics applications. Based on the fastest-rated color speeds as published by manufacturers as of June, 2017. Test methods vary.

² For a list of HP certified RIPs, visit: <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c07798647>

³ Embedded in the HP DesignJet Z6810 Production Printer is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.

⁴ HP Professional PANTONE® color emulation and Adobe PostScript®/PDF upgrade kit sold separately.

⁵ Using glossy paper and Normal mode, HP DesignJet Z6810 42-in Production Printers can achieve print speeds up to 177 ft²/hour. Using coated paper and Normal mode, HP DesignJet Z6810 42-in Production Printers can achieve speeds up to 236 ft²/hour.

⁶ Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see <http://www.hpapplicationscenter.com>.

⁷ Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.

Technical specifications

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| Print | |
| Print speed | Fast-Economode: 113.6 m²/hr on plain media Normal: 21.9 m²/hr on coated media Best: 11 m²/hr on glossy media¹ |
| Print resolution | Up to 2400 x 1200 optimized dpi |
| Technology | HP Thermal Inkjet |
| Margins | Roll: 5 x 5 x 5 x 5 mm |
| Ink types | Pigment-based |
| Printheads | 8 (2x matte black/chromatic red, 2x magenta/yellow, 2x light magenta/cyan, 2x photo black/light gray) |
| Printhead nozzles | 2112 per color |
| Line accuracy | ±0.1% |
| Minimum line width | 0.02 mm (HP-GL/2 addressable) |
| Color accuracy | Median < 1.25 dE2000, 95% of colors < 2.75 dE2000² |
| Short-term color stability | < 1 dE2000 in less than 5 minutes² |
| Long-term print-to-print repeatability | Average < 0.5 dE2000, 95% of colors < 1.25 dE2000² |
| Max optical density | 4.5 L* min/2.31 D² |
| Media | |
| Handling | Roll feed, automatic horizontal cutter, media bin, take-up reel (optional) |
| Roll size | 279 to 1067 mm |
| Grammage | 80 to 500 g/m² |
| Thickness | Up to 0.6 mm |
| Applications | |
| Exhibition and event graphics; Graphics design; Indoor posters; Layouts and comps; Light boxes - paper; Line drawings; Maps; Office Graphics; Orthophotos; Photo maps; Point of sale/display; POP/POS; Posters; Presentations; Renderings; Schematics; Technical presentations | |
| Memory | 64 GB file processing (based on 1 GB RAM) |
| Hard disk | 500 GB |
| Connectivity | |
| Interfaces | Gigabit Ethernet (1000Base-T); EIO Jetdirect accessory slot |
| Native print languages | HP-GL/2, HP-RTL, CALS G4 |
| Print languages (optional) | Adobe PostScript 3; Adobe PDF 1.7; TIFF, JPEG |
| Drivers | Raster driver for Windows PostScript driver for Windows and macOS with optional PostScript/PDF Upgrade Kit |
| Security features | |
| SNMPv3, Control Panel lock levels, Certificates management, IPsec, SSL, Secure file erase, Secure disk erase | |
| Dimensions (W x D x H) | |
| Printer | 1970 x 690 x 1370 mm |
| Shipping | 2280 x 735 x 1200 mm |
| Weight | |
| Printer | 123 kg |
| Shipping | 177 kg |
| What's in the box | |
| HP DesignJet Z6810 42-in Production Printer, spindle, printheads, introductory ink cartridges, maintenance cartridge, printer stand, media bin, 3-in spindle adapter kit, quick reference guide, setup poster, startup software, power cord | |
| HP Software and solutions | |
| Printer drivers, HP Click, HP Applications Center, HP DesignJet Utility including HP Color Center | |
| Environmental ranges | |
| Operating temperature | 5 to 40°C |
| Operating humidity | 20 to 80% RH |
| Storage temperature | -20 to 55°C |
| Acoustics | |
| Sound pressure | 53 dB(A) (operating), 39 dB(A) (idle), 39 dB(A) (sleep) |
| Sound power | 7.0 B(A) (operating), 5.5 B(A) (idle), 5.5 B(A) (sleep) |
| Power | |
| Consumption | 270 W (printing); < 48 W (ready); < 5.3 W (sleep); < 0.3 W (off) |
| Requirements | Input voltage (auto ranging): 100-127 V (±10%), 5 A; 220-240 V (±10%), 3 A; 50/60 Hz (±3 Hz) |

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| Certification | |
| Safety | USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia (GOST); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE); Korea (KC) |
| Electromagnetic | Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (MSIP) |
| Environmental | ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Bronze |
| Warranty | 1 Year Limited Warranty (Next Business Day On-Site) |

Ordering information

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| Product | |
| ZQU12A | HP DesignJet Z6810 42-in Production Printer |
| Accessories | |
| 5EK00A | HP HD Pro 2 42-in Scanner |
| 5EK01A | HP SD Pro 2 44-in Scanner |
| CQ745C | HP DesignJet PostScript/PDF Upgrade Kit |
| CQ754A | HP DesignJet 60-in Spindle |
| Q6714A | HP DesignJet 60-in Media Bin |
| Q6715A | HP DesignJet User Maintenance Kit |
| CQ745B | HP DesignJet PostScript/PDF Upgrade Kit |
| L3J69AAE | HP SmartStream Preflight Manager |
| L3J79AAE | HP SmartStream Print Controller for HP DesignJet Z6xx0 Production Printers |
| Original HP printing supplies | |
| B6Y39A | HP 771A 3-pack 775-ml Matte Black DesignJet Ink Cartridges |
| B6Y41A | HP 771A 3-pack 775-ml Magenta DesignJet Ink Cartridges |
| B6Y42A | HP 771A 3-pack 775-ml Yellow DesignJet Ink Cartridges |
| B6Y43A | HP 771A 3-pack 775-ml Light Magenta DesignJet Ink Cartridges |
| B6Y44A | HP 771A 3-pack 775-ml Light Cyan DesignJet Ink Cartridges |
| B6Y45A | HP 771A 3-pack 775-ml Photo Black DesignJet Ink Cartridges |
| B6Y46A | HP 771A 3-pack 775-ml Light Gray DesignJet Ink Cartridges |
| P2V97A | HP 774 Matte Black/Chromatic Red DesignJet Printhead |
| P2V98A | HP 774 Light Magenta/Cyan DesignJet Printhead |
| P2V99A | HP 774 Magenta/Yellow DesignJet Printhead |
| P2W00A | HP 774 Photo Black/Light Gray DesignJet Printhead |
| CH644A | HP 771 DesignJet Maintenance Cartridge |
| Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit hp.com/go/OriginalHPInks . | |
| Original HP large format printing materials | |
| HP Everyday Matte Polypropylene HP Artist Matte Canvas HP Super Heavyweight Plus Matte Paper (FSC® certified)³ (Recyclable)⁴ HP Premium Instant-dry Satin Photo Paper (FSC® certified)³ (Recyclable)⁴ HP Premium Vivid Color Backlit Film | |
| For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com . | |
| Service and Support | |
| U9WE3E HP 3 year Next Business Day plus Defective Media Retention Support U9WE5E HP 5 year Next Business Day plus Defective Media Retention Support U9WE6PE HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support U9WE7PE HP 2 year Post Warranty, Next Business Day plus Defective Media Retention Support H4518E HP Installation Service with Network Setup | |
| HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc | |

¹ Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
² With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
³ 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.
⁴ Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.

