



HP DesignJet Studio Steel 24-in Printer

Design meets performance in the world's easiest large-format plotters¹



Fits the way you live

- Design that performs, technology that stands out.
- Easily set up your plotter using your smartphone.
- First net carbon neutral HP DesignJet plotter.³

Extreme simplicity

- Print multi-size A3/B and A1/D projects automatically, without manually switching the media source.
- Save time with the world's easiest job submission—send multiple files in one click with HP Click software.²
- Print with confidence you'll get the results you expect with an intuitive driver and true print preview.

Fits the way you work

- Avoid waiting by the printer with high-speed printing as fast as 26 seconds per A1/D plot.
- Be more productive—save time from job prep to final print by printing your projects up to 2x faster.⁴
- Print your jobs and manage your plotter from virtually anywhere, anytime with the HP Smart app.
- Get high-quality results—HP Bright Office Inks plot up to 31% more line accuracy and up to 65% more gamut.⁵

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

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsupplies>

¹ The HP DesignJet Studio Printer series and the HP DesignJet T600 Printer series are the only solutions providing seamless printing of both large- and small-format sheets automatically in a multi-size print basket compared to competitive alternatives with comparable size and features as of January, 2020.

² One-click printing with HP Click software. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.

³ HP is reducing the carbon footprint of printing through carbon reduction initiatives such as energy efficiency, reduced packaging, and use of recycled plastics. The HP DesignJet Studio Printer is the first HP DesignJet where HP has offset the remaining carbon impact due to raw material extraction and processing, printer manufacturing and transportation, as well as electricity, paper, and cartridge use in accordance with The CarbonNeutral Protocol <https://www.carbonneutral.com/how/carbonneutral-protocol>.

⁴ Three-click printing with HP Click software compared to up to 11 clicks with competitive alternatives when printing 5 files of different sizes. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files. Based on testing the HP DesignJet Studio 36-in Printer, from job prep to print is up to 2x faster than competitive alternatives with comparable size and features as of January, 2020.

⁵ Up to 31% more line accuracy based on HP internal testing, September 2019 of 1 pixel vertical line straightness comparing prints from the HP DesignJet Studio Printer series and Canon TM-305 Printer on plain paper using equivalent fast/draft print modes. Up to 65% more color gamut based on HP internal testing, September 2019, of gamut volume comparing prints from the HP DesignJet Studio Printer series and Canon TM-305 Printer on Océ 75gsm plain paper using equivalent fast/draft print modes.

Technical specifications

| | |
|----------------------------------|--|
| Print | |
| Print speed | 26 sec/page on D, 81 D prints per hour ¹ |
| Print resolution | Up to 2400 x 1200 optimized dpi |
| Technology | HP Thermal Inkjet |
| Margins | Roll: 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm) Sheet: 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm) |
| Ink types | Dye-based (C, M, Y); pigment-based (K) |
| Page Yield | 20 ml of ink yields 101 A1/D pages, taking into account maintenance routines ² |
| Ink drop | 5.5 pl (C, M, Y); 12 pl (K) |
| Printheads | 1 (cyan, magenta, yellow, black) |
| Printhead nozzles | 1376 |
| Line accuracy | ±0.1% ³ |
| Minimum line width | 0.0008 in (0.02 mm) |
| Max optical density | 8 L* min/2.10 D ⁴ |
| Media | |
| Handling | Sheet feed, roll feed, automatic sheet feeder, media bin, automatic horizontal cutter |
| Roll size | 11 to 24 in (279 to 610 mm) |
| Sheet size | Auto sheet feeder: 8.3 x 11 to 13 x 19 in manual feed: 8.3 x 11 to 24 x 74.7 in |
| Standard sheets | Auto sheet feeder: A, B manual feed: A, B, C, D |
| Grammage | 60 to 280 g/m ² (roll/manual feed); 60 to 220 g/m ² (auto sheet feeder) |
| Thickness | Up to 11.8 mil |
| Applications | |
| | Line drawings; Presentations; Renderings |
| Memory | 1 GB |
| Hard disk | None |
| Connectivity | |
| Interfaces | Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0, Wi-Fi 802.11 |
| Print languages (standard) | HP-GL/2, HP-RTL, CALS G4, JPEG, URF |
| Drivers | Raster driver for Windows and macOS |
| Dimensions (w x d x h) | |
| Printer | 39.9 x 21.9 x 36.7 in (1013 x 555 x 932 mm) |
| Shipping | 47.2 x 23.2 x 20.6 in (1199 x 590 x 524 mm) |
| Weight | |
| Printer | 74.1 lb (33.6 kg) |
| Shipping | 94.8 lb (43 kg) |
| What's in the box | |
| | HP DesignJet Studio Steel 24-in Printer, printer stand, automatic sheet feeder, roll cover, printhead, introductory ink cartridges, spindle, quick reference guide, setup poster, power cord |
| HP Software and solutions | |
| | HP Click, HP Smart app, HP Print Preview for Windows, HP Easy Start, HP DesignJet Utility for Windows, HP Support Assistant |
| Remote print enabled | Yes |
| One-click multi-size printing | Yes |
| Environmental ranges | |
| Recycled plastic in printer | 10% |
| Operating temperature | 41 to 104°F (5 to 40°C) |
| Operating humidity | 20 to 80% RH |
| Operating altitude | Up to 9843 ft |
| Storage temperature | -13 to 131°F (-25 to 55°C) |
| Acoustics | |
| Sound pressure | 42 dB(A) (operating), <16 dB(A) (idle) |
| Sound power | >5.8 B(A) (operating), <3.4 B(A) (idle) |
| Power | |
| Consumption | <35 W (printing), <5.6 W (ready), <2.1 W (sleep), <0.2 W (standby) |
| Requirements | Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1200 mA max |
| Certification | |
| Safety | USA and Canada (CSA certified) |
| Electromagnetic | Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES) |
| Environmental | ENERGY STAR; WEEE; ErP |
| Warranty | |
| | One-year limited hardware warranty |

Ordering information

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| Product | |
| 5HB12C | HP DesignJet Studio Steel 24-in Printer |
| Accessories | |
| B3Q37A | HP DesignJet 36-in Spindle |
| Original HP printing supplies | |
| 3ED58A | HP 713 DesignJet Printhead Replacement Kit |
| 3ED67A | HP 712 29-ml Cyan DesignJet Ink Cartridge |
| 3ED68A | HP 712 29-ml Magenta DesignJet Ink Cartridge |
| 3ED69A | HP 712 29-ml Yellow DesignJet Ink Cartridge |
| 3ED70A | HP 712 38-ml Black DesignJet Ink Cartridge |
| 3ED71A | HP 712 80-ml Black DesignJet Ink Cartridge |
| 3ED77A | HP 712 3-pack 29-ml Cyan DesignJet Ink Cartridge |
| 3ED78A | HP 712 3-pack 29-ml Magenta DesignJet Ink Cartridge |
| 3ED79A | HP 712 3-pack 29-ml Yellow DesignJet Ink 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

Q1396A HP Universal Bond Paper (FSC® certified)⁵ (recyclable)⁶ 610 mm x 45.7 m (24 in x 150 ft)
 C6019B HP Coated Paper (FSC® certified)⁵ (recyclable)⁶ 610 mm x 45.7 m (24 in x 150 ft)
 C6029C HP Heavyweight Coated Paper (FSC® certified)⁵ (recyclable)⁶ 610 mm x 30.5 m (24 in x 100 ft)

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

UDSLOE HP 2 year Next Business Day Onsite Support
 UDSLIE HP 3 year Next Business Day Onsite Support
 UDSLZE HP 4 year Next Business Day Onsite Support
 UDSL3E HP 5 year Next Business Day Onsite Support
 UDSL4PE HP 1 year Post Warranty Next Business Day Onsite Support
 UDSL5PE HP 2 year Post Warranty Next Business Day Onsite Support

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>

ECO highlights

- ENERGY STAR® certified¹
- Free, convenient HP ink cartridge recycling²
- FSC®-certified papers³ and a range of recyclable HP media with a take-back program⁴

Please recycle large-format printing hardware and printing supplies. Find out how at our website: <http://www.hp.com/ecosolutions>

¹ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

² Visit <http://www.hp.com/recycle> to see how to participate and for HP Planet Partners program features and availability; program may not be available in your area.

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 Many HP printing materials are recyclable through commonly available recycling programs. For information about HP large format printing materials, please visit <http://www.HPLFMedia.com>.

⁵ Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks. Actual performance may vary based on a variety of conditions, including but not limited to network configuration.

⁶ Calculation done taking into account two normal printhead cleanings and ink on an A1/D CAD drawing with black and color lines and a pixel coverage of 5.2%.

³ ±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 Heavyweight Coated roll feed and Original HP inks.

⁴ With HP Premium Instant Dry Photo Gloss media with Original HP inks.

⁵ BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>.

⁶ Can be recycled through commonly available recycling programs.

