

HP DesignJet Studio Steel Printer



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



*Product image may differ from actual product

Fits the way you live

- Design that performs, technology that stands out.
- Easily set up your plotter using your smartphone.

Extreme simplicity

- Print multi-size A3 and A1 projects automatically, without manually switching the media source.
- Save time with the world's easiest job submission²—send multiple files in one click with HP Click.³
- 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 plot.
- Be more productive—save time from job prep to final print by printing your projects up to 2X faster.²
- 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.⁴

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

Messaging Footnotes

¹The 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.

²Three-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.

³One-click printing with HP Click software. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.

⁴Up 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 colour 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 Oce 75gsm plain paper using equivalent fast/draft print modes.

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



Datasheet

Technical specifications

Print		support for Chrome OS, email printing, HP Print Service Plugin for Android, Apple AirPrint
Print speed	26 sec/page on A1, 81 A1 prints per hour ¹	
Print resolution	Up to 2400 x 1200 optimised dpi	
Technology	HP Thermal Inkjet	
Margins (roll)	5 x 5 x 5 x 5 mm	
Margins (sheet)	5 x 5 x 5 x 17 mm (manual feed); 5 x 5 x 5 x 5 mm (input tray)	
Ink types	Dye-based (C, M, Y); pigment-based (K)	
Print Cartridges/Bottle, Number	4 (C, M, Y, K)	
Print cartridge/bottle volume delivered	80 ml (K); 38 ml (Y); 29 ml (C, M, Y)	
Page Yield	20 ml of ink yields 101 A1 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	0.02 mm	
Max optical density	8 L* min/2.10 D ⁴	
Media		
Applications	Line drawings; Presentations; Renderings	
Handling	Sheet feed, roll feed, automatic sheet feeder, media bin, automatic horizontal cutter	
Rolls	Media rolls: 1; Roll size: 279 to 610 mm; Maximum roll weight: 4.1 kg; Maximum roll diameter: 100 mm;	
Maximum media width	610 mm	
Sheet size	Auto sheet feeder: 210 x 279 to 330 x 482 mm; manual feed: 210 x 279 to 610 x 1897 mm	
Standard sheets	Auto sheet feeder: A4, A3; manual feed: A4, A3, A2, A1	
Recommended Grammage	60 to 280 g/m ² (roll/manual feed); 60 to 220 g/m ² (auto sheet feeder)	
Thickness	Up to 0.3 mm	
Media types	Bond and coated paper (bond, coated, heavyweight coated, plain, bright white, blueprint), technical paper (natural tracing), film (clear, matte), photographic paper (satin, gloss, semigloss, polypropylene), self-adhesive (adhesive, polypropylene)	
Embedded controller		
Memory	1GB	
Hard disk	None	
Native print languages	HP-GL/2, HP-RTL, CALS G4, JPEG, URF	
Connectivity		
Interfaces	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0, Wi-Fi 802.11a/b/g/n, Wi-Fi Direct	
Printing paths	Print Anywhere with HP Smart app, HP Click App, HP Click Driver for Windows 11, HP driver for macOS, HP driver for Windows, printing	

Ordering information

Product					
5HB12C	HP DesignJet Studio Steel 24-in Printer				
Accessories					
B3Q36A	HP DesignJet 24-in Spindle				
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 https://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					
C6019B HP Coated Paper (FSC® certified) ⁵ (recyclable) ⁶ 610 mm x 45.7 m					
C6029C HP Heavyweight Coated Paper (FSC® certified) ⁵ (recyclable) ⁶ 610 mm x 30.5 m					
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com .					
Service and Support					
UD5L4PE HP 1 year Post Warranty Next Business Day Hardware Support for DesignJet Studio 24					
UD5L5PE HP 2 year Post Warranty Next Business Day Hardware Support for DesignJet Studio 24					
UD5M1PE HP 1 year Post Warranty Next Business Day Parts Coverage Hardware Support for DesignJet Studio 24					
UD5M2PE HP 2 year Post Warranty Next Business Day Parts Coverage Hardware Support for DesignJet Studio 24					
U17WDE HP 3 year Next Business Day Hardware Support for Designjet Studio 24					
U17WFH HP 4 year Next Business Day Hardware Support for Designjet Studio 24					
U17WGE HP 5 year Next Business Day Hardware Support for Designjet Studio 24					
U17WHE HP 3 year Next Business Day Parts Coverage Hardware Support for Designjet Studio 24					
U17WJE HP 4 year Next Business Day Parts Coverage Hardware Support for Designjet Studio 24					
U17WKE HP 5 year Next Business Day Parts Coverage Hardware Support for Designjet Studio 24					
HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5					

Specification Footnotes

¹Mechanical 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.

² Calculation done taking into account two normal printhead cleanings and ink on an A1 CAD drawing with black and colour lines and a pixel coverage of 5.2%.

³ ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 24 MPa HPP, measured at 100 °C. Glass transition (T_g) of HPP at 100 °C.

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>.

⁵ BMG trademark license code FSC®-C115319, see <http://www.fsc.org>
⁶ Can be recycled through commonly available recycling programs.

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