HP DesignJet Studio Steel Printer

Design meets performance in the world's easiest large-format plotters[1]

*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 submission[2]—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]

Messaging Footnotes

[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] 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.
[3] One-click printing with HP Click software. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.
[4] 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 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

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 (K); 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/m² (roll/manual feed); 60 to 220 g/m² (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	1 GB
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 support for Chrome OS, email printing, HP Print Service Plugin for Android, Apple AirPrint
Remote print enabled	Yes
One-click multi-size printing	Yes
Drivers	Raster driver for Windows and macOS, HP Click Driver for Windows 11

Dimensions (W x D x H)

Product	1013 x 555 x 932 mm
Shipping	1199 x 590 x 524 mm

Weight

Product	33.6 kg
Shipping	43 kg

Included

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 App, HP Click Driver for Windows 11, HP Smart app, HP Print Preview for Windows, HP Easy Start, HP DesignJet Utility for Windows, HP Support Assistant

Environmental ranges

Operating temperature	5 to 40ºC
Operating humidity	20 to 80% RH
Operating altitude	Up to 3000 m
Storage temperature	-25 to 55ºC
Recycled plastic in printer	10%

Acoustics

Sound pressure	Printing: 42 dB(A) (operating), <16 dB(A) (idle)
Sound power	Printing: 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

Sustainable impact specifications	Free, convenient HP ink cartridge and printhead recycling with HP Planet Partners; FSC®-certified papers and a range of recyclable HP media with a take-back program; First net carbon neutral HP DesignJet plotter; ENERGY STAR® certified
Safety	USA and Canada (CSA certified); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, Khazakstan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS); Mexico (NYCE)
Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC/RED Directives), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class B product: Korea (KCC)
Environmental	ENERGY STAR; WEEE; EU RoHS; EAEU RoHS; REACH; ErP
Warranty	Two-year limited hardware warranty.

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
U17WFE	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 years). For more information, please visit http://www.hp.com/go/cpc

Specification Footnotes

[1] 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.

[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 23ºC, 50-60% relative humidity, on A0 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.

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