



# HP DesignJet T650 36-in Printer (5HB10A)

## Overview



**Simply the world's easiest large-format plotters[1]—affordability without tradeoffs**

The world's smallest wide-format printer[4] with a built-in stand, is designed to fit your office, budget, and the way you work. Print multi-size projects with ease. Print your A1/D plot as fast as 25 seconds. 1 GB memory.

### Extreme simplicity

Print multi-size A3/B and A0/E projects automatically, without manually switching the media source.

### Fits the way you work

Avoid waiting by the printer with high-speed printing as fast as 25 seconds per A1/D plot.

### Fits your office and budget

Save space with the world's smallest plotters[4] designed to fit your office, including a built-in stand.

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*[1] The HP DesignJet T600 Printer series and the HP DesignJet Studio 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.*

*[4] HP DesignJet T650 36-in series printers are up to 17% smaller compared to competitive alternatives with comparable size and features as of January, 2020. The world's smallest large-format plotters based on most compact footprint.*

## Specifications

<b>Print quality color (best)</b>	Up to 2400 x 1200 optimized dpi
<b>Functions</b>	Print
<b>Connectivity, standard</b>	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0, Wi-Fi 802.11a/b/g/n, Wi-Fi Direct
<b>Software included</b>	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
<b>Sustainable impact specifications</b>	More sustainable design reduces CO2e up to 7.3 tons/year by units sold by using up to 30% UL Validated recycled plastic.; 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; ENERGY STAR® certified; EPEAT® registered
<b>Energy star certified</b>	Yes
<b>Dimensions (W x D x H)</b>	1317 x 605 x 932 mm
<b>Dimensions (W x D x H)</b>	51.9 x 23.8 x 36.7 in
<b>Weight</b>	35.4 kg
<b>Weight</b>	78 lb
<b>Power consumption</b>	<35 W (printing), <5.6 W (ready), <2.1 W (sleep), <0.2 W (off)
<b>Environmental certification</b>	ENERGY STAR; WEEE; EU RoHS; EAEU RoHS; REACH; ErP; EPEAT Gold
<b>What's in the box</b>	HP DesignJet T650 36-in Printer, printer stand, automatic sheet feeder, roll cover, printhead, introductory ink cartridges, spindle, quick reference guide, setup poster, power cord
<b>Manufacturer Warranty</b>	One-year limited hardware warranty

## Additional specifications

<b>Accessories</b>	B3Q37A HP DesignJet 36-in Spindle
<b>Acoustic power emissions (active, printing)</b>	5.8 B(A) (operating), <3.4 B(A) (idle)
<b>Acoustic pressure emissions</b>	42 dB(A) (operating), <16 dB(A) (idle)
<b>Cartridge volume</b>	Less than 130 ml
<b>Color ink technology</b>	Pigment; Dye
<b>Dynamic security</b>	Dynamic security enabled printer
<b>Electromagnetic compatibility</b>	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)
<b>Features</b>	Automatic horizontal cutter; Stand
<b>Finished output handling</b>	Sheet feed, roll feed, automatic sheet feeder, media bin, automatic horizontal cutter
<b>Functions</b>	Print
<b>High capacity of page yield (colour)</b>	20 ml of ink yields 101 A1/D pages, taking into account maintenance routines[2]
<b>Ink drop</b>	5.5 pl (C, M, Y); 12 pl (K)
<b>Ink types</b>	Dye-based (C, M, Y); pigment-based (K)
<b>Internal Storage</b>	None
<b>Line accuracy</b>	±0.1%[3]
<b>Maximum optical density (black)</b>	8 L* min/2.10 D[4]
<b>Maximum roll diameter</b>	3.9 in
<b>Media sizes standard (metric rolls)</b>	279 to 914 mm
<b>Media sizes standard (sheets, rolls)</b>	11 to 36 in
<b>Media sizes supported</b>	Auto sheet feeder: A4, A3; manual feed: A4, A3, A2, A1, A0
<b>Media sizes supported</b>	Auto sheet feeder: A, B; manual feed: A, B, C, D, E
<b>Media sizes, custom</b>	Auto sheet feeder: 210 x 279 to 330 x 482 mm; manual feed: 210 x 279 to 914 x 1897 mm
<b>Media sizes, custom</b>	Auto sheet feeder: 8.3 x 11 to 13 x 19 in; manual feed: 8.3 x 11 to 36 x 74.7 in
<b>Media thickness</b>	Up to 11.8 mil
<b>Media thickness maximum (metric)</b>	Up to 0.3 mm
<b>Media types</b>	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)

<b>Media weight, recommended</b>	60 to 280 g/m <sup>2</sup> (roll/manual feed); 60 to 220 g/m <sup>2</sup> (auto sheet feeder)
<b>Media width, maximum</b>	914 mm
<b>Media width, maximum</b>	36 in
<b>Memory</b>	1 GB
<b>Model size</b>	36 in
<b>Model size</b>	914 mm
<b>Non-Operating Humidity Range</b>	0 to 95% RH
<b>Non-printable area (cut-sheet)</b>	5 x 5 x 5 x 17 mm (manual feed); 5 x 5 x 5 x 5 mm (input tray)
<b>Non-printable area (cut-sheet)</b>	0.2 x 0.2 x 0.2 x 0.7 in (manual feed); 0.2 x 0.2 x 0.2 x 0.2 in (input tray)
<b>Non-printable area (roll media)</b>	5 x 5 x 5 x 5 mm
<b>Non-printable area (roll media)</b>	0.2 x 0.2 x 0.2 x 0.2 in
<b>Number of cartridges</b>	4
<b>Operating altitude</b>	Up to 3000 m
<b>Operating altitude</b>	Up to 9843 ft
<b>Operating humidity range</b>	20 to 80% RH
<b>Operating temperature range</b>	41 to 104°F
<b>Operating temperature range</b>	5 to 40°C
<b>Package dimensions (W x D x H)</b>	57.9 x 22.6 x 23.2 in
<b>Package dimensions (W x D x H)</b>	1470 x 575 x 590 mm
<b>Package weight</b>	56 kg
<b>Package weight</b>	123.5 lb
<b>Playbook TS icon connectivity</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png</a>
<b>Playbook TS icon dimensions AiO</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png</a>
<b>Playbook TS icon display AiO</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169148.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169148.png</a>
<b>Post consumer recycled plastic in hardware by weight of plastic</b>	30%
<b>Power</b>	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1200 mA max
<b>Print Cartridge/Bottle, Color(s)</b>	Cyan, magenta, yellow, black
<b>Print Cartridges/Bottle, Number</b>	4 (C, M, Y, K)
<b>Print Technology</b>	Ink
<b>Print cartridge/bottle volume</b>	80 ml (K); 38 ml (K); 29 ml (C, M, Y)
<b>Print head nozzles</b>	1376
<b>Print heads</b>	1 (cyan, magenta, yellow, black)
<b>Print languages</b>	HP-GL/2, HP-RTL, CALS G4, JPEG, URF
<b>Print multi-size files in one click</b>	Yes

<b>Print speed</b>	20 to 30 sec/page on D size
<b>Print speed</b>	25 sec/page on D, 82 D prints per hour[1]
<b>Print speed</b>	25 sec/page on A1, 82 A1 prints per hour[1]
<b>Print technology</b>	HP Thermal Inkjet
<b>Printer Applications</b>	Architecture; Engineering; Construction; Technical documents; Presentation graphics
<b>Printer drivers included</b>	Raster driver for Windows and macOS, HP Click Driver for Windows 11
<b>Printing path</b>	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
<b>Product logos</b>	AirPrint; ENERGY STAR; EPEAT Gold; Gold IPv6 Ready; Hi-Speed USB; UL Validated; Wi-Fi CERTIFIED; Windows 10 Compatible
<b>Recommended media</b>	HP Universal Bond Paper (FSC® certified)[5] (recyclable)[6]; HP Coated Paper (FSC® certified)[5] (recyclable)[6]; HP Heavyweight Coated Paper (FSC® certified)[5] (recyclable)[6]
<b>Remote print enabled</b>	Yes
<b>Roll external diameter</b>	3.9 in
<b>Roll external diameter</b>	100 mm
<b>Roll maximum input</b>	1
<b>Roll maximum weight</b>	13.6 lb
<b>Roll maximum weight</b>	6.2 kg
<b>Roll size</b>	Up to 36 in
<b>Safety</b>	USA and Canada (CSA certified); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, Kazakhstan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS); Mexico (NYCE)
<b>Storage temperature range</b>	-13 to 131°F
<b>Storage temperature range</b>	-25 to 55°C
<b>Supported Primary Applications</b>	Line drawings; Presentations; Renderings
<b>Sustainability Impact</b>	ENERGY STAR®; EPEAT®
<b>Theoretical minimum line width</b>	0.0008 in
<b>Theoretical minimum line width</b>	0.02 mm
<b>UNSPSC code</b>	23153405
<b>UPC number</b>	(ABG) 194850020261; (ACJ) 194850020278; (B19) 194850020230; (B1K) 194850020247; (BCD) 194850020254; (EMU) 194850020377
<b>Web address for additional information</b>	<a href="http://www.hp.com/go/designjett650">http://www.hp.com/go/designjett650</a>

## Ink/Toner/Paper/Printer Supplies

### Ink Supplies

★ : Recommended

#### HP Graphic Arts Inks/Printheads

HP 712 2-pack 80-ml Black DesignJet Ink Cartridges	3WW89A
HP 712 29-ml Cyan DesignJet Ink Cartridge	3ED67A
HP 712 29-ml Magenta DesignJet Ink Cartridge	3ED68A
HP 712 29-ml Yellow DesignJet Ink Cartridge	3ED69A
HP 712 3-pack 29-ml Cyan DesignJet Ink Cartridge	3ED77A
HP 712 3-pack 29-ml Magenta DesignJet Ink Cartridge	3ED78A
HP 712 3-pack 29-ml Yellow DesignJet Ink Cartridge	3ED79A
HP 712 38-ml Black DesignJet Ink Cartridge	3ED70A
HP 712 80-ml Black DesignJet Ink Cartridge	3ED71A
HP 712B 38-ml Black DesignJet Ink Cartridge	3ED28A
HP 712B 80-ml Black DesignJet Ink Cartridge	3ED29A
HP 713 DesignJet Printhead Replacement Kit	3ED58A

# Accessories

## Paper Handling

★ : Recommended

### Spindles

HP DesignJet 36-in Spindle	B3Q37A
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