

Technical specifications

Print	
Print speed	24-in: 26 sec/page on D, 81 D prints per hour 36-in: 25 sec/page on D, 82 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	24-in: 11 to 24 in (279 to 610 mm) 36-in: 11 to 36 in (279 to 914 mm)
Sheet size	Auto sheet feeder: 8.3 x 11 to 13 x 19 in 24-in manual feed: 8.3 x 11 to 24 x 74.7 in 36-in manual feed: 8.3 x 11 to 36 x 74.7 in
Standard sheets	Auto sheet feeder: A, B 24-in manual feed: A, B, C, D 36-in manual feed: A, B, C, D, E
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	24-in: 39.9 x 23.8 x 36.7 in (1013 x 605 x 932 mm) 36-in: 51.9 x 23.8 x 36.7 in (1317 x 605 x 932 mm)
Shipping	24-in: 45.5 x 22.6 x 18.1 in (1155 x 575 x 475 mm) 36-in: 57.9 x 22.6 x 23.2 in (1470 x 575 x 590 mm)
Weight	
Printer	24-in: 65 lb (29.5 kg) 36-in: 78 lb (35.4 kg)
Shipping	24-in: 83.8 lb (38 kg) 36-in: 123.5 lb (56 kg)
What's in the box	HP DesignJet T650 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	30%
Operating temperature	41 to 104°F
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; EPEAT Gold
Warranty	One-year limited hardware warranty

Ordering information

Product	
5HB08A	HP DesignJet T650 24-in Printer
5HB10A	HP DesignJet T650 36-in Printer
Accessories	
B3Q36A	HP DesignJet 24-in Spindle
Original HP printing supplies	
3ED56A	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)
G6019B HP Coated Paper (FSC® certified)⁵ (recyclable)⁶ 610 mm x 45.7 m (24 in x 150 ft)
G6029C 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

UD5H2E (24-in)/UD5J6E (36-in) HP 2 year NBD Onsite Support
UD5H3E (24-in)/UD5J7E (36-in) HP 3 year NBD Onsite Support
UD5H4E (24-in)/UD5J8E (36-in) HP 4 year NBD Onsite Support
UD5H5E (24-in)/UD5J9E (36-in) HP 5 year NBD Onsite Support
UD5H6PE (24-in)/UD5K0PE (36-in) HP 1 year Post Warranty NBD Onsite Support
UD5H7PE (24-in)/UD5K1PE (36-in) HP 2 year Post Warranty NBD 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 and EPEAT® Gold registered²
- Free, convenient HP ink cartridge recycling³
- FSC®-certified papers and a range of recyclable HP media with a take-back program⁴
- Reduces CO2e up to 7.3 tons/year by units sold by using up to 30% recycled plastic⁵

Please recycle printing hardware and eligible printing supplies and prints. 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 EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
³ 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.
⁴ 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. 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 More sustainable design compared to the previous printer models (HP DesignJet T500 Printer series) replaced with the HP DesignJet T600 Printer series. Based on calculations in accordance with ISO 14040/14044 Life Cycle Assessments using ReCiPe (H) v. 1.1 (2016) on GaBi 8.5 (2018) software and scaled to reflect expected yearly sales.
⁶ Can be recycled through commonly available recycling programs.

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/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.



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