HP DesignJet T870 24-in Printer with 2-year warranty



The world's easiest multi-size printing experience for posters and CAD drawings



*Product image may differ from actual product

VERSATILE-Effortless, high-quality results across sizes and formats

- Print it all-from renders and CAD drawings to educational posters and durable retail signage, you'll see high-quality results across print sizes with pigment-based HP Flex Tech Inks.
- Easily print multi-size A4/A to A1/D projects using the integrated input tray or roll, without manually changing from roll to sheet.
- Stay focused-print A1/D-sized plots in as fast as 21 seconds² and experience fewer ink interruptions with 130/300 ml cartridges.

CONNECTED-Seamless and secure by design

- Simplify printing with HP Click³-available as a driver and app. Save time with real-print preview and automatic error detection.
- Protect your printer and data from cyberthreats without any effort thanks to HP Wolf Pro Security.

SUSTAINABLE-Save energy⁴ and minimize waste^{5,7}

- Invest in a compact, robust printer made with at least 45% recycled plastic and 10% recycled metal.5
- Lower energy use by up to 60% with automatic on/off scheduling⁴, and use up to 95% less ink⁶ during printhead cleaning routines.
- Reduce plastic waste with 100% polystyrene-free packaging⁷ and recycle your HP cartridges through HP's Planet Partners program.8

Messaging Footnotes

¹ Based on test results using HP Click with the HP DesignJet T870. This solution enables printing in fewer steps compared to main competitor printing solutions. Printing a 5-page mixed job set with A1 and A3 takes 3 steps using HP Click vs. 11 steps with competitor A and 8 steps with competitor B. Testing performed by Sogeti, July 2025. Detailed test report is available upon request.

² Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Pager (bond) and Original HP lnks.

³ HP Click App is compatible with Windows and Mac. HP Click Driver is compatible with Windows 11 only. HP Click Software is only compatible with Original HP lnk supplies. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.

⁴ The percentage reductions in energy consumption are based on tests conducted by HP, 2024. Data based on the implementation of auto-scheduled on/off usage in various printer models, measured on a monthly basis. Actual savings may vary

depending on the specific usage patterns, printer models, and environmental conditions.

The HP DesignJet T870 is crafted with at least 45% recycled plastic and 10% recycled metal. Recycled plastic is based on total plastic weight, with post-consumer recycled content defined by the EPEAT standard for imaging equipment (IEEE

1680.2). Recycled metal is based on total metal weight used in the product.

6 Test commissioned by HP and conducted by Sogeti in May 2025, comparing the HP DesignJet T870, Canon TM-255, and Epson SC-T3405 in terms of ink consumption during routine printhead cleanings.

7 The HP DesignJet T870 Printer packaging has replaced EPS with molded pulp cushions made from recycled fiber-based material.

⁸ Program availability varies. For details, see https://www.hp.com/hprecycle.





















Technical specifications

Print	
Print speed	
	21 sec/page for D size, 120 D size 24-in 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 Sheet: 0.2 x 0.2 x 0.2 x 0.2 in
Ink types	Pigment-based (C, M, Y, mK)
Print Cartridges, Number	4 (C, M, Y, mK) cartridges
Ink drop	6 pl (C, M, Y); 12.6 pl (mK)
•	300 ml per cartridge; 130 ml per cartridge
Print cartridge volume Printheads	1(C, M, Y, mK)
Printhead nozzles	1376 per color; 5504 in total
Line accuracy	±0.1% ²
Minimum line width	0.0008 in (via raster driver)
Max optical density	15 L* min/1.7 D ³
Media	
Applications	Banners; Line drawings; Maps; Posters; Presentations; Renderings; Signage
Handling	Roll feed, automatic sheet feeder (50 sheet capacity), media bin, automatic horizontal cutter
Maximum media width	24 in
Media rolls	1
Roll size	14.5 to 24 in
Maximum roll weight	13.2 lb
Maximum roll diameter	5.1 in (rolls up to 300 ft)
Sheet size	Auto sheet feeder: 8.3 x 11 to 12 x 18 in Manual feed: 8.3 x 11 to 24 x 66 in
Standard media sizes	Auto sheet feeder: A, B
supported	Manual feed: A, B, C, D
Media Weight Recommended	0.01 to 0.057 lb/ft² (roll/manual feed); 0.01 to 0.045 lb/ft² (auto sheet feeder)
Media thickness (maximum)	0.0118 in
Media types	Bond and coated paper (bond, coated, heavyweight coated, plain, bright white, blueprint), technical paper (natural tracing), film (clear, matte, backlit), photographic paper (ID satin, ID gloss), self-adhesive (matte/gloss, polypropylene gloss, removable fabric), banner (polypropylene matte, PVC banner), fine art material (canvas)
Embedded controller	
Memory	1GB
Hard disk	None
Job storage memory	2.7 GB reprint queue
	TIFF, JPEG, URF, PDF, HP-GL/2, HP-RTL, CALS G4
Native print languages	1111,0120,011,1101,111 02/2,111 1112,012001
Native print languages Connectivity	Till, of Ed, ord, i Di, i ii dej E, i ii ki E, or Ed o i

Printing paths	HP Click App for Windows and Mac, HP Click Driver for Windows 11, Apple AirPrint and HP app for Android and IOS devices, Windows and macOS printer drivers, printing support for Chrome OS, Wi-Fi Direct, remote printing, print from USB pen drive
Remote print enabled	Yes
One-click multi-size printing	Yes
Drivers	Raster driver for macOS and Windows, HP Click Driver for Windows 11, HP-GL/2 driver for Windows
Security features	HP Wolf Pro Security, HP Secure Boot, Allowlisting, Security event logging, Disable network ports and protocols, SNMPv3, 802.1x compatibility, TLS 1.3, HP Web JetAdmin, HP Security Manager, SIEM Integration
Dimensions (W x D x H)	
Product	43.3 x 27.1 x 36.8 in
Shipping	51.7 x 22.44 x 25.19 in
Weight	
Product	85 lb
Shipping	104 lb
Included	
What's in the box	HP DesignJet T870 Printer, printhead, introductory ink cartridges, printer stand, spindle, guide, warranty flyer, power cord
HP Software and solutions	HP Click Driver for Windows 11, HP Click App for Windows and Mac, HP App for Windows, Mac, Android and iOS, PartnerLink
Environmental ranges	
Operating temperature	41 to 104°F
Operating humidity	20 to 70% RH (non-condensing)
Operating altitude	Up to 9842.5 ft
Storage temperature	-13 to 131°F
Recycled plastic in printer	45%
Acoustics	
Sound pressure	Printing: 40 dB (A) (operating)
Sound power	Printing: 5.6 B (A) (operating)
Power	
Consumption	35 W (printing), <5.5 W (ready), <2.5 W (sleep), <0.2 W (off); auto-scheduled printer on/off usage
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max
Certifications & Compl	liance
Safety	USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NYCE); Argentina (IRAM); India (BIS)
Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (RED Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Korea (KCC)
Environmental	ENERGY STAR®, EPEAT ⁷ , UL ECOLOGO® certified inks, CE marking (including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements
Warranty	Two-year limited hardware warranty.
Country of origin	Made in Thailand

Ordering information

Todadot	
AM0X9H Accessories	HP DesignJet T870 24-in Printer with 2-year warranty
B3Q36A BT6F2A CN538A Original HP print	HP DesignJet 24-in Spindle HP DesignJet Sheet Organizer HP DesignJet 3-in Core Adapter ing supplies
498N0A 498N4A 498N5A	HP 739 DesignJet Printhead Replacement Kit HP 738 130-ml Black DesignJet Ink Cartridge HP 738 130-ml Cyan Design let Ink Cartridge

498N6A HP 738 130-ml Magenta DesignJet Ink Cartridge 498N7A HP 738 130-ml Yellow DesignJet Ink Cartridge HP 738 300-ml Black DesignJet Ink Cartridge HP 738 300-ml Cyan DesignJet Ink Cartridge 498N8A 676M6A HP 738 300-ml Magenta DesignJet Ink Cartridge 676M8A HP 738 300-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 $full\ HP\ warranty\ protection.\ For\ more\ information, visit\ https://hp.com/go/Original HP inks$

Original HP large format printing materials

HP Universal Bond Paper (FSC* certified)⁴ (recyclable)⁵ HP Coated Paper (FSC* certified)⁴ (recyclable)⁵

HP Heavyweight Coated Paper (FSC* certified)4 (recyclable)5

HP Recycled⁶ Removable Adhesive Fabric

HP Opaque Scrim Banner

HP Production Matte Canvas

HP Backlit Polvester Film

HP Universal Instant-dry Gloss Photo Paper(FSC® certified) HP Universal Instant-dry Satin Photo Paper (FSC® certified)4

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

Service and Support

UK8L7E HP 3 year Next Business Day DesignJet T870 (In Warranty) UK8L8E HP 4 year Next Business Day DesignJet T870 (In Warranty) UK8L9E HP 5 year Next Business Day DesignJet T870 (In Warranty)

UC744E HP Network Install DesignJet Low-end SVC

 $HP\ Support\ Services\ of fer\ installation\ and\ extended\ support\ services\ (e.g.\ 2,\ 3,\ 4,\ and\ 5\ years).$ 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.
- ² ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A1/D printing material in Best or Normal mode with HP Heavyweight Coated roll feed and Original HP inks
- ³ With HP Universal Instant Dry Photo Gloss media with Original HP inks.
- ⁴ BMG trademark license code FSC*-C115319, see http://www.fsc.org . HP trademark license code FSC*-C017543, see http://www.fsc.org .
- ⁵ Can be recycled through commonly available recycling programs.
- ⁶ Product consists of PET fabric and coatings. With liner attached, 72% by weight of the product consists of recycled content. Base material fabric is made from 100% recycled resin.
- ⁷ The T870 is EPEAT Gold in the U.S. and Canada and has achieved EPEAT Climate+. See www.epeat.net for registration status and tier levels by country.

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