

HP DesignJet T850 36-in Printer



The world's easiest A4-A0 printing experience to maximize your team's agility¹



*Product image may differ from actual product

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

- Do it all—also print A4 jobs using the integrated input tray, without manually changing from roll to sheets.
- Easily print multi-size A4/A to A0/E projects using the integrated input tray, without manually changing from roll to sheet.
- Stay focused—print A1/D-sized plots in as fast as 25 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^{5,6}

- Invest in a compact, robust plotter made with at least 35% recycled plastic.⁵
- Lower energy use by up to 65% with automatic on/off scheduling,⁴ and enjoy efficient ink maintenance routines.
- Recycle your HP cartridges through HP's Planet Partners program.⁶

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

¹ Based on test results using HP Click with the HP DesignJet T850. This solution enables printing in fewer steps compared to main competitor printing solutions. Printing a 5-page mixed job set with A0 and A4 takes 3 steps using HP Click vs. 12 steps with competitor A and 8 steps with competitor B. Testing performed by Sogeti, April 2023. Detailed test report is available upon request.

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

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 Ink 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.

⁵ Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.

⁶ Program availability varies. See <https://www.hp.com/go/recycle>.

For more information, please visit <https://www.hp.com/go/designjet-t850>



Technical specifications

Print

Print speed	25 sec/page on A1, 90 A1 prints per hour ¹
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 mm Sheet: 5 x 5 x 5 mm
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)
Print cartridge volume	300 ml cartridge, 130 ml cartridge
Printheads	1 (C, M, Y, mK)
Printhead nozzles	1376 per color; 5504 in total
Line accuracy	±0.1% ²
Minimum line width	0.02 mm (via raster driver)
Max optical density	15 L ³ min/1.7 D ³

Media

Applications	Banners; Line drawings; Maps; Posters; Presentations; Renderings; Signage
Handling	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
Maximum media width	914 mm
Media rolls	1
Roll size	369 to 914 mm
Maximum roll weight	6.2 kg
Maximum roll diameter	100 mm
Sheet size	Input tray: 210 x 279 to 305 x 457 mm Manual feed: 210 x 279 to 914 x 1676 mm
Standard media sizes supported	Input tray: A4, A3 Manual feed: A4, A3, A2, A1, A0
Media Weight Recommended	60 to 280 g/m ² (roll/manual feed); 60 to 220 g/m ² (input tray)
Media thickness (maximum)	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, 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	1 GB
Hard disk	None
Native print languages	TIFF, JPEG, URF, HP-GL/2, HP-RTL, CALS G4

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n
Printing paths	Wi-Fi Direct, remote printing, HP Click App, HP Click Driver for Windows 11, Apple AirPrint and HP app for Android and iOS devices, Windows and

Ordering information

Product	2Y9H0A HP DesignJet T850 36-in Printer
Accessories	5EK00A HP HD Pro 2 42-in Scanner 5EK01A HP SD Pro 2 44-in Scanner 698G7A HP DesignJet Sheet Organizer 698G8A HP DesignJet Sheet Organizer and Stacker Kit B3Q37A HP DesignJet 36-in Spindle
Original HP printing supplies	498N0A HP 739 DesignJet Printhead Replacement Kit 498N4A HP 738 130-ml Black DesignJet Ink Cartridge 498N5A HP 738 130-ml Cyan DesignJet Ink Cartridge 498N6A HP 738 130-ml Magenta DesignJet Ink Cartridge 498N7A HP 738 130-ml Yellow DesignJet Ink Cartridge 498N8A HP 738 300-ml Black DesignJet Ink Cartridge 676M6A HP 738 300-ml Cyan DesignJet Ink Cartridge 676M7A HP 738 300-ml Magenta DesignJet Ink Cartridge 676M8A HP 738 300-ml Yellow DesignJet Ink Cartridge

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 A0/E 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.

macOS printer drivers, printing support for Chrome OS

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/SSL, HP Web JetAdmin, HP Security Manager, SIEM Integration, FIPS 140-2 (in transit)
Dimensions (W x D x H)	
Product	1407 x 701 x 967 mm
Shipping	1575 x 570 x 650 mm
Weight	
Product	47 kg
Shipping	71 kg
Included	
What's in the box	HP DesignJet T850 Printer, printhead, introductory ink cartridges, printer stand, spindle, guide, warranty flyer, power cord
HP Software and solutions	HP Click App, HP Click Driver for Windows 11, HP app for Windows, macOS, Android, and iOS

Environmental ranges

Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH
Operating altitude	Up to 3000 m
Storage temperature	-25 to 55°C
Recycled plastic in printer	42%

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), <5.5 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 & Compliance

Safety	USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NCE); 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, 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. Warranty and support options vary by product, country and local legal requirements.
Country of origin	China (AB1, ACJ, AKV, ABG, AC4, BCD, B1K, B19); Switzerland (AB1); Thailand (B1K)

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

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

U56R9E HP 3-year Next Business Day HW Support
U56RBE HP 4-year Next Business Day HW Support
U56RCE HP 5-year Next Business Day HW 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>

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