

# HP DesignJet T850 36-in Printer



The world's easiest A4/A-A0/E printing experience to maximize your team's agility<sup>1</sup>



\*Product image may differ from actual product

## VERSATILE—Effortless, high-quality results across all 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 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 seconds<sup>2</sup> and experience fewer ink interruptions with 130/300 ml cartridges.

## CONNECTED—Seamless and secure by design

- Simplify printing with HP Click<sup>3</sup>—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 energy<sup>4</sup> and minimize waste<sup>5,6</sup>

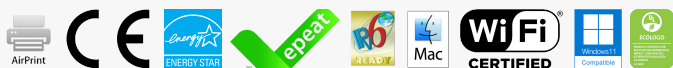
- Invest in a compact, robust plotter made with at least 35% recycled plastic.<sup>5</sup>
- Lower energy use by up to 65% with automatic on/off scheduling,<sup>4</sup> and enjoy efficient ink maintenance routines.
- Recycle your HP cartridges through HP's Planet Partners program.<sup>6</sup>

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

<sup>1</sup> 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 A1 and A3 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.  
<sup>2</sup> Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP Inks.  
<sup>3</sup> 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.  
<sup>4</sup> 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.  
<sup>5</sup> Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.  
<sup>6</sup> Program availability varies. See <https://www.hp.com/go/recycle>.

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



# Technical specifications

<b>Print</b>	
<b>Print speed</b>	25 sec/page on A1, 90 A1 prints per hour <sup>1</sup>
<b>Print resolution</b>	Up to 2400 x 1200 optimized dpi
<b>Technology</b>	HP Thermal Inkjet
<b>Margins</b>	Roll: 5 x 5 x 5 x 5 mm Sheet: 5 x 5 x 5 x 5 mm
<b>Ink types</b>	Pigment-based (C, M, Y, mK)
<b>Print Cartridges, Number</b>	4 (C, M, Y, mK) cartridges
<b>Ink drop</b>	6 pl (C, M, Y); 12.6 pl (mK)
<b>Print cartridge volume</b>	300 ml cartridge, 130 ml cartridge
<b>Printheads</b>	1 (C, M, Y, mK)
<b>Printhead nozzles</b>	1376 per color; 5504 in total
<b>Line accuracy</b>	±0.1% <sup>2</sup>
<b>Minimum line width</b>	0.02 mm (via raster driver)
<b>Max optical density</b>	15 L* min/1.7 D <sup>3</sup>
<b>Media</b>	
<b>Applications</b>	Banners; Line drawings; Maps; Posters; Presentations; Renderings; Signage
<b>Handling</b>	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
<b>Maximum media width</b>	914 mm
<b>Media rolls</b>	1
<b>Roll size</b>	369 to 914 mm
<b>Maximum roll weight</b>	6.2 kg
<b>Maximum roll diameter</b>	100 mm
<b>Sheet size</b>	Input tray: 210 x 279 to 305 x 457 mm Manual feed: 210 x 279 to 914 x 1676 mm
<b>Standard media sizes supported</b>	Input tray: A4, A3 Manual feed: A4, A3, A2, A1, A0
<b>Media Weight Recommended</b>	60 to 280 g/m <sup>2</sup> (roll/manual feed); 60 to 220 g/m <sup>2</sup> (input tray)
<b>Media thickness (maximum)</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, backlit), photographic paper (ID satin, ID gloss), self-adhesive (matte/gloss, polypropylene gloss, removable fabric), banner (polypropylene matte, PVC banner), fine art material (canvas)
<b>Embedded controller</b>	
<b>Memory</b>	1 GB
<b>Hard disk</b>	None
<b>Native print languages</b>	TIFF, JPEG, URF, HP-GL/2, HP-RTL, CALS G4
<b>Connectivity</b>	
<b>Interfaces</b>	Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n
<b>Printing paths</b>	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 macOS printer drivers, printing support for Chrome OS

<b>Remote print enabled</b>	Yes
<b>One-click multi-size printing</b>	Yes
<b>Drivers</b>	Raster driver for macOS and Windows, HP Click Driver for Windows 11, HP-GL/2 driver for Windows
<b>Security features</b>	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)
<b>Dimensions (W x D x H)</b>	
<b>Product</b>	1407 x 701 x 967 mm
<b>Shipping</b>	1575 x 570 x 650 mm
<b>Weight</b>	
<b>Product</b>	47 kg
<b>Shipping</b>	71 kg
<b>Included</b>	
<b>What's in the box</b>	HP DesignJet T850 Printer, printhead, introductory ink cartridges, printer stand, spindle, guide, warranty flyer, power cord
<b>HP Software and solutions</b>	HP Click App, HP Click Driver for Windows 11, HP app for Windows, macOS, Android, and iOS
<b>Environmental ranges</b>	
<b>Operating temperature</b>	5 to 40°C
<b>Operating humidity</b>	20 to 80% RH
<b>Operating altitude</b>	Up to 3000 m
<b>Storage temperature</b>	-25 to 55°C
<b>Recycled plastic in printer</b>	42%
<b>Acoustics</b>	
<b>Sound pressure</b>	Printing: 42 dB(A) (operating), <16 dB(A) (idle)
<b>Sound power</b>	Printing: 5.8 B(A) (operating), <3.4 B(A) (idle)
<b>Power</b>	
<b>Consumption</b>	35 W (printing), <5.5 W (ready), <2.5 W (sleep), <0.2 W (off). Auto-scheduled printer on/off usage.
<b>Requirements</b>	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max
<b>Certifications &amp; Compliance</b>	
<b>Safety</b>	USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NYCE); Argentina (IRAM); India (BIS)
<b>Electromagnetic</b>	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)
<b>Environmental</b>	ENERGY STAR, EPEAT, UL ECOLOGO® certified inks, CE marking (including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements.
<b>Warranty</b>	Two-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.
<b>Country of origin</b>	China(AB1, ACJ, AKV, ABG, AC4, BCD, B1K, B19); Switzerland(AB1); Thailand(B1K)

## Ordering information

<b>Product</b>	
2Y9H0A	HP DesignJet T850 36-in Printer
<b>Accessories</b>	
698G7A	HP DesignJet Sheet Organizer
698G8A	HP DesignJet Sheet Organizer and Stacker Kit
B3Q37A	HP DesignJet 36-in Spindle
<b>Original HP printing supplies</b>	
498N0A	HP 739 DesignJet Printhead Replacement Kit
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
498P2A	HP 738B 130-ml Black DesignJet Ink Cartridge
498P6A	HP 738B 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

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>

## Specification Footnotes

<sup>1</sup> Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.

<sup>2</sup> ±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.

<sup>3</sup> With HP Universal Instant Dry Photo Gloss media with Original HP inks.

<sup>4</sup> BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>

<sup>5</sup> Can be recycled through commonly available recycling programs.

## Original HP large format printing materials

HP Universal Bond Paper (FSC® certified)<sup>4</sup> (recyclable)<sup>5</sup>  
HP Coated Paper (FSC® certified)<sup>4</sup> (recyclable)<sup>5</sup>  
HP Heavyweight Coated Paper (FSC® certified)<sup>4</sup> (recyclable)<sup>5</sup>  
HP Recycled<sup>6</sup> Removable Adhesive Fabric  
HP Opaque Scrim Banner  
HP Production Matte Canvas  
HP Backlit Polyester Film  
HP Universal Instant-dry Gloss Photo Paper (FSC® certified)<sup>4</sup>  
HP Universal Instant-dry Satin Photo Paper (FSC® certified)<sup>4</sup>  
HP Everyday Matte Polypropylene  
For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

## Service and 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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