

# HP DesignJet T850 36-in Multifunction 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 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.
- Simplify scan and copy workflows with personalized one-click shortcuts from the front panel.

## CONNECTED—Secure and seamless collaboration

- 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.
- Share drawings and collaborate with colleagues wherever they are with the easy-to-use front-loading scanner.

## 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>Requires HP app download available at <https://www.hp.com/go/mobileprinting>. Certain features are available in English language only and may vary by printer model/country, and between desktop/mobile applications. HP reserves the right to introduce charges for use of functionality facilitated by the HP app. Internet access required and may not be available in all countries. HP account required for full functionality. List of supported operating systems available in app stores.

<sup>3</sup>HP One-click printing with HP Click software. 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>Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.

<sup>5</sup>Program availability varies. See <https://www.hp.com/go/recycle>

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



Datasheet

# Technical specifications

Print	
Print speed	25 sec/page on A1, 90 A1 prints per hour <sup>1</sup>
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% <sup>2</sup>
Minimum line width	0.02 mm (via raster driver)
Max optical density	15 L* min/1.7 D <sup>3</sup>
Scan and copy	
Linear scan speed	Up to 3.81 cm/sec (color, 200 dpi); up to 11.43 cm/sec (grayscale, 200 dpi)
Scan resolution	Up to 600 dpi
Scan format	JPEG, PDF, TIFF
Scan destinations	Scan to email, network, and USB. Scan to cloud, computer, and mobile through HP app.
Maximum scan width	914 mm x 2.77 m
Maximum scan length	7 m <sup>4</sup>
Technology	Sheetfed, CIS (Contact Image Sensor), media jam detection sensor, front feed scanning method
Copier, reduce enlarge	25 to 400% at 1% increment
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 <sup>2</sup> (roll/manual feed); 60 to 220 g/m <sup>2</sup> (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

## Ordering information

Product	
2Y9H2A	HP DesignJet T850 36-in Multifunction Printer
Accessories	
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
Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enables 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 <a href="https://hp.com/go/OriginalHPInks">https://hp.com/go/OriginalHPInks</a>	

## 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> Scanned at 200 dpi using "Long Plot" setting.

<sup>5</sup> BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>

<sup>6</sup> Can be recycled through commonly available recycling programs.

Memory	2 GB
Hard disk	None
Native print languages	TIFF, JPEG, URF, PDF, 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 macOS printer drivers, printing support for Chrome OS, 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 Secure Boot, Allowlisting, Security event logging, Disable network ports and protocols, SNMPv3, 802.1x compatibility, TLS/SSL, NTLM v2, 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	60 kg
Shipping	83.5 kg
Included	
What's in the box	HP DesignJet T850 MFP, 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	37%
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), <11 W (ready), <3.5 W (sleep), <0.1 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 (NYPE); 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(AJ), B1K, AKV, B19, AB1, BCD, AC4, ABG; Switzerland(AB1); Thailand(B1K)

### Original HP large format printing materials

HP Universal Bond Paper (FSC® certified)<sup>5</sup> (recyclable)<sup>6</sup>

HP Coated Paper (FSC® certified)<sup>5</sup> (recyclable)<sup>6</sup>

HP Heavyweight Coated Paper (FSC® certified)<sup>5</sup> (recyclable)<sup>6</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>5</sup>

HP Universal Instant-dry Satin Photo Paper (FSC® certified)<sup>5</sup>

HP Everyday Matte Polypropylene

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

### Service and Support

U56RSE HP 3-year Next Business Day HW Support

U56RTE HP 4-year Next Business Day HW Support

U56RVE 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>

