Datasheet

HP DesignJet T850 36-in Printer

The world's easiest A3-A1 printing experience to maximize your team's agility[1]

THE EASIEST[1]—Multi-size printing in one click

- Do it all—also print A3 jobs using the integrated input tray, without manually changing from roll to sheets.
- Achieve high-quality CAD and renders across print sizes with HP Flex Tech Inks.
- Avoid distractions with fewer ink interventions thanks to 130/300-ml cartridges.

CONNECTED—Work securely from virtually anywhere

- Save time with HP Click—print in fewer steps and avoid reprinting with print preview.
- Protect your printer and data from cyberthreats without any effort thanks to HP Wolf Pro Security.
- Stay on task with HP App[2]—manage your device and print from virtually anywhere using your mobile or tablet.

GO BEYOND—Meet office and environmental needs

- Advance environmental goals—printer is made with at least 40% recycled plastics[3] and recyclable supplies[4].
- Invest in a robust and compact plotter that's designed to last.
- Reduce energy and ink waste—auto schedule printer on/off usage and enjoy efficient ink maintenance routines.

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

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

[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 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.
[2] 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.
[3] Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.
[4] Program availability varies. See https://www.hp.com/go/recycle

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 x 5 mm Sheet: 5 x 5 x 5 x 5 mm
Ink types	Pigment-based (C, M, Y, mK)
Ink drop	6 pl (C, M, Y); 12.6 pl (mK)
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* min/1.7 D[3]
Media	
Handling	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
Roll size	369 to 914 mm
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 sheets	Input tray: A4, A3 Manual feed: A4, A3, A2, A1, A0
Grammage	60 to 280 g/m² (roll/manual feed); 60 to 220 g/m² (input tray)
Thickness	Up to 0.3 mm
Applications	Line drawings; Renderings; Presentations; Maps; Posters
Memory	1 GB
Hard disk	None
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n
Native print languages	TIFF, JPEG, URF, HP-GL/2, HP-RTL, CALS G4
Printing paths	Wi-Fi Direct, remote printing, Apple AirPrint and HP Smart app for Android and iOS devices, Windows and macOS printer drivers, printing support for Chrome OS
Drivers	Raster driver for macOS and Windows, HP-GL/2 driver for Windows
Security features	HP Secure Boot, whitelisting, Security event logging, Disable network ports and protocols, SNMPv3, 802.1x compatibility, TLS/SSL, HP Web JetAdmin, HP Security Manager, SIEM Integration
Dimensions (W x D x H)	
Printer	1407 x 701 x 967 mm
Shipping	1575 x 570 x 650 mm
Weight	
Printer	47 kg
Shipping	71 kg
What's in the box	HP DesignJet T850 Printer, printheads, ink cartridges, printer stand, spindle, guide, poster, warranty flyer, power cord
HP Software and solutions	HP Click for Windows and macOS, HP Support Assistant for Windows, HP Smart for Windows, macOS, Android, and iOS
Remote print enabled	Yes
One-click multi-size printing	Yes
Environmental ranges	
Recycled plastic in printer	42%
Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH
Operating altitude	Up to 3000 m
Storage temperature	-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), <5.5 W (ready), <2.5 W (sleep), <0.2 W (standby). Auto-scheduled printer on/off usage.
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max

Certification	
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, 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.

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
CN538A	HP DesignJet 3-in Core Adapter

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 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

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]

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

[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 23ºC (73ºF), 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.

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