HP DesignJet T850 36-in Multifunction Printer

HP

The world's easiest A4-A0 printing experience to maximize your team's agility[1]

Product image may differ from actual product

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

- Do it all—also print A4 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.
- Simplify scan and copy workflows with personalized one-click shortcuts from the front panel.

CONNECTED—Secure and seamless collaboration

- Simplify printing with the new HP Click Print solutions - Save time with real-print preview.[3]
- 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.
- Share drawings and collaborate with colleagues wherever they are with the easy-to-use front-loading scanner.

GO BEYOND—Meet office and environmental needs

- Advance environmental goals—printer is made with at least 35% recycled plastics[4] and recyclable supplies[5].
- 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.

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

AirPrint · CE · ENERGY STAR · epeat · R6 READY · Mac · Wi-Fi CERTIFIED · Windows11 Compatible · ECOLOGO

Datasheet

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
Margins (sheet)	5 x 5 x 5 x 5 mm
Ink types	Pigment-based (C, M, Y, mK)
Print Cartridges/Bottle, Number	4 (C, M, Y, mK) cartridges
Print cartridge/bottle volume delivered	300 ml cartridge, 130 ml cartridge
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]

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
Technology	Sheetfed, CIS (Contact Image Sensor), media jam detection sensor, front feed scanning method
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[4]
Original thickness	Up to 0.8 mm

Media

Applications	Line drawings; Renderings; Presentations; Maps; Posters
Handling	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
Rolls	Media rolls: 1; Roll size: 369 to 914 mm; Maximum roll weight: 6.2 kg; Maximum roll diameter: 100 mm;
Maximum media width	914 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
Recommended Grammage	60 to 280 g/m² (roll/manual feed); 60 to 220 g/m² (input tray)
Thickness	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), photographic paper (ID satin, ID gloss), self-adhesive (adhesive matte/gloss, adhesive polypropylene gloss), Polypropylene (matte)

Embedded controller

Memory	2 GB
Hard disk	None

Native print languages

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

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

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
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 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)[5] (recyclable)[6]
HP Coated Paper (FSC® certified)[5] (recyclable)[6]
HP Heavyweight Coated Paper (FSC® certified)[5] (recyclable)[6]

For the entire HP Large Format Printing Materials portfolio, please see 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

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 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] Scanned at 200 dpi using "Long Plot" setting.
[5] BMG trademark license code FSC®-C115319, see http://www.fsc.org . HP trademark license code FSC®-C017543, see http://www.fsc.org
[6] Can be recycled through commonly available recycling programs.

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