Datasheet

# HP DesignJet T850 36-in Multifunction Printer

## HP's easiest A3–A1 printing experience to maximise your team's agility[1]

### HP's 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.
- Simplify scan and copy workflows with personalised one-click shortcuts from the front panel.

### CONNECTED—Secure and seamless collaboration

- 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.
- 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[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-mfp

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 optimised dpi |
| Technology | HP Thermal Inkjet |
| Margins | Roll: 5 x 5 x 5 x 5 mm<br>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 colour; 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] |
| **Multifunction capabilities** | |
| Scan speed | Up to 3.81 cm/sec (colour, 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 length | 7 m[4] |
| Thickness | Up to 0.8 mm |
| **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<br>Manual feed: 210 x 279 to 914 x 1676 mm |
| Standard sheets | Input tray: A4, A3<br>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 | 2 GB |
| Hard disk | None |
| **Connectivity** | |
| Interfaces | Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n |
| Native print languages | TIFF, JPEG, URF, PDF, HP-GL/2, HP-RTL, CALS G4 |
| Printing paths | Wi-Fi Direct, remote printing, 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 |
| 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, NTLM v2, 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 | 60 kg |
| Shipping | 83.5 kg |
| **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 for Windows and macOS, HP app for Windows, macOS, Android, and iOS |
| Remote print enabled | Yes |
| One-click multi-size printing | Yes |
| **Environmental ranges** | |
| Recycled plastic in printer | 37% |
| 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), <11 W (ready), <3.5 W (sleep), <0.1 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** | Three-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 Organiser |
| 698G8A | HP DesignJet Sheet Organiser and Stacker Kit |
| B3Q37A | HP DesignJet 36-in Spindle |

| Original HP printing supplies | |
|---|---|
| 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

**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**

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

[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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