



HP DesignJet T850 36-in Multifunction Printer with 2-year Warranty (2Y9H2H)



Overview

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

Maximize your team's agility with the world's easiest A3-A1 experience.[1] Simplify multi-size printing with the integrated input tray. Streamline print workflows with HP Click. And meet office and environmental needs with this compact plotter.

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.

GO BEYOND—Meet office and environmental needs

Advance environmental goals—printer is made with at least 35% recycled plastics[3] and recyclable supplies[4].

CONNECTED—Secure and seamless collaboration

Save time with HP Click—print in fewer steps and avoid reprinting with print preview.

[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.

[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>

Specifications

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| Print quality color (best) | Up to 2400 x 1200 optimized dpi |
| Functions | Print, copy, scan |
| Connectivity, standard | Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n |
| Software included | HP Click for Windows and macOS, HP app for Windows, macOS, Android, and iOS |
| Technical features | A3 input tray;1-click scan/copy;130/300 ml cartridges;Auto-power on/off scheduler;Max. resolution 2400 x 2400 dpi;Sheet organizer accessories;HP Wolf Pro Security;HP Flex Tech Inks |
| Energy star certified | Yes |
| Scan file format | JPEG, PDF, TIFF |
| Scan input modes | Scan to email, network, and USB. Scan to cloud, computer, and mobile through HP app. |
| Scanner type | Sheetfed, CIS (Contact Image Sensor), media jam detection sensor, front feed scanning method |
| Minimum dimensions (W x D x H) | 1407 x 701 x 967 mm |
| Minimum dimensions (W x D x H) | 55.4 x 27.6 x 38.1 in |
| Weight | 60 kg |
| Weight | 132.3 lb |
| Power consumption | 35 W (printing), <11 W (ready), <3.5 W (sleep), <0.1 W (standby). Auto-scheduled printer on/off usage. |
| Environmental certification | ENERGY STAR, EPEAT, UL ECOLOGO® certified inks, CE marking (including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements. |
| What's in the box | HP DesignJet T850 MFP, printhead, introductory ink cartridges, printer stand, spindle, guide, warranty flyer, power cord |

Additional specifications

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| Acoustic power emissions (active, printing) | 5.8 B(A) (operating), <3.4 B(A) (idle) |
| Acoustic pressure emissions | 42 dB(A) (operating), <16 dB(A) (idle) |
| Color(s) of printing supplies | Cyan, magenta, yellow, matte black |
| Copy reduce / enlarge settings | 50 to 400% |
| Datasheet photo 1 | AHID/8a314be2a8df75973a185312eadfe59a7d640351 |
| Dynamic security | Dynamic security enabled printer |
| Electromagnetic compatibility | 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) |
| Finished output handling | Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter |
| HP ePrint capability | Yes |
| Ink drop | 6 pl (C, M, Y); 12.6 pl (mK) |
| Ink types | Pigment-based (C, M, Y, mK) |
| Internal Storage | None |
| Line accuracy | ±0.1%[2] |
| Linear scan speed | Up to 3.81 cm/sec (color, 200 dpi), up to 11.43 cm/sec (grayscale, 200 dpi) |
| Linear scan speed | Up to 1.5 in/sec (color, 200 dpi), up to 4.5 in/sec (grayscale, 200 dpi) |
| Maximum media thickness | Up to 0.8 mm |
| Maximum optical density (black) | 15 L* min/1.7 D[3] |
| Maximum scan length | 7 m[4] |
| Maximum scan length | 23 ft[4] |
| Media sizes standard (metric rolls) | 369 to 914 mm |
| Media sizes standard (sheets, rolls) | 14.5 to 36 in |
| Media sizes supported | Input tray: A4, A3; Manual feed: A4, A3, A2, A1, A0 |
| Media sizes supported | Input tray: A, B; Manual feed: A, B, C, D, E |
| Media sizes, custom | Input tray: 210 x 279 to 305 x 457 mm; Manual feed: 210 x 279 to 914 x 1676 mm |
| Media sizes, custom | Input tray: 8.3 x 11 to 12 x 18 in; Manual feed: 8.3 x 11 to 36 x 66 in |
| Media thickness | Up to 11.8 mil |
| Media thickness | Up to 0.03 in |
| Media thickness (metric) | Up to 0.3 mm |

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| 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) |
| Media weight, recommended | 60 to 280 g/m ² (roll/manual feed); 60 to 220 g/m ² (input tray) |
| Media width, maximum | 36 in |
| Media width, maximum | 914 mm |
| Memory | 2 GB |
| Model size | 914 mm |
| Model size | 36 in |
| Network ready | Standard |
| Non-Operating Humidity Range | 0 to 95% RH |
| Non-printable area (cut-sheet) | 5 x 5 x 5 x 5 mm |
| Non-printable area (cut-sheet) | 0.2 x 0.2 x 0.2 x 0.2 in |
| Non-printable area (roll media) | 5 x 5 x 5 x 5 mm |
| Non-printable area (roll media) | 0.2 x 0.2 x 0.2 x 0.2 in |
| Number of print cartridges | 4 (C, M, Y, mK) |
| Operating altitude | Up to 9843 ft |
| Operating altitude | Up to 3000 m |
| Operating humidity range | 20 to 80% RH |
| Operating temperature range | 5 to 40°C |
| Operating temperature range | 41 to 104°F |
| Orderable supplies | HP Original Ink: HP 738 cartridges (Black, Cyan, Magenta, Yellow), and HP 739 printhead |
| Package dimensions (W x D x H) | 62 x 22.5 x 25.5 in |
| Package dimensions (W x D x H) | 1575 x 570 x 650 mm |
| Package weight | 184.1 lb |
| Package weight | 83.5 kg |
| Playbook TS icon connectivity | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png |
| Playbook TS icon dimensions AiO | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png |
| Playbook TS icon display AiO | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08727006.png |
| Post consumer recycled plastic in hardware by weight of plastic | 37% |
| Power | Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max |
| Print Technology | Ink |
| Print cartridge volume delivered | 300 ml, 130 ml |

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| Print head nozzles | 1376 per color; 5504 in total |
| Print heads | 1 (C, M, Y, mK) |
| Print languages | TIFF, JPEG, URF, PDF, HP-GL/2, HP-RTL, CALS G4 |
| Print multi-size files in one click | Yes |
| Print speed | 25 sec/page for D size, 90 D size 24" x 36" prints per hour[1] |
| Print speed | 25 sec/page on A1, 90 A1 prints per hour[1] |
| Print technology | HP Thermal Inkjet |
| Printer drivers included | Raster driver for macOS and Windows, HP-GL/2 driver for Windows |
| Printing path | 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 |
| Product logos | AirPrint; CE marking; ENERGY STAR; EPEAT green; IPv6 Ready; Mac; Wi-Fi Certified; Windows 11 Compatible |
| Recommended media | 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] |
| Remote print enabled | Yes |
| Roll external diameter | 3.9 in |
| Roll external diameter | 100 mm |
| Roll maximum input | 1 |
| Roll maximum weight | 6.2 kg |
| Roll maximum weight | 13.6 lb |
| Safety | USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NYCE); Argentina (IRAM); India (BIS) |
| Scan resolution, optical | Up to 600 dpi |
| Scan size, maximum | 914 mm x 2.77 m |
| Scan size, maximum | 36 x 109 in |
| Scan size, minimum | 127 x 127 mm |
| Scan size, minimum | 5 x 5 in |
| 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 |
| Storage temperature range | -13 to 131°F |
| Storage temperature range | -25 to 55°C |
| Supported Primary Applications | Line drawings; Renderings; Presentations; Maps; Posters |
| Technology logo 1 | AHID/cce10ebbd356d96074154a12dc62032a64b058f3 |
| Technology logo 2 | AHID/60d2a69d632efba286c546dd6a2fcfdb5c3c9e1f |
| Technology logo 3 | AHID/cd33e848211911e4369b10008531951b0aa3cde7 |
| Technology logo 4 | AHID/c51bf05ff1023abad6fda02c5a970763b91946f4 |

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|---|---|
| Technology logo 5 | AHID/6615658f92b8dd21f3c5b78f3bea628bd257123b |
| Technology logo 6 | AHID/0e41ea2a916263d4c3403cc03016fcaae7311969 |
| Technology logo 7 | AHID/1f8b1ff3a68a6ba2a0939f2536845c50fe9dec4f |
| Theoretical minimum line width | 0.0008 in (via raster driver) |
| Theoretical minimum line width | 0.02 mm (via raster driver) |
| UNSPSC code | 43212110 |
| UPC number | 197029467195 |
| Web address for additional information | https://www.hp.com/go/designjet-t850-mfp |

Ink/Toner/Paper/Printer Supplies

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

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|---|--------|
| HP 738 130-ml Black DesignJet Ink Cartridge | 498N4A |
| HP 738 130-ml Cyan DesignJet Ink Cartridge | 498N5A |
| HP 738 130-ml Magenta DesignJet Ink Cartridge | 498N6A |
| HP 738 130-ml Yellow DesignJet Ink Cartridge | 498N7A |
| HP 738 300-ml Black DesignJet Ink Cartridge | 498N8A |
| HP 738 300-ml Cyan DesignJet Ink Cartridge | 676M6A |
| HP 738 300-ml Magenta DesignJet Ink Cartridge | 676M7A |
| HP 738 300-ml Yellow DesignJet Ink Cartridge | 676M8A |
| HP 739 DesignJet Printhead Replacement Kit | 498N0A |

Accessories

Paper Handling

★ : Recommended

Spindles

HP DesignJet 36-in Spindle

B3Q37A

Output Trays and Stackers

HP DesignJet Sheet Organizer

698G7A

HP DesignJet Sheet Organizer and Stacker Kit

698G8A

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