HP DesignJet T850 36-in Printer (2Y9H0A)



Overview

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

Maximize agility with the world's easiest A4/A to A0/E experience.[1] Simplify multi-size printing with the integrated input tray. Streamline print workflows with HP Click.[3] And meet office and environmental needs with this compact plotter.

VERSATILE—Effortless, high-quality results across all sizes and 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.

CONNECTED—Seamless and secure by design

Simplify printing with HP Click[3]—available as a driver and app. Save time with real-print preview and automatic error detection.

SUSTAINABLE—Save energy[4] and minimize waste[5][6]

Invest in a compact, robust plotter made with at least 35% recycled plastic.[5]

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[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] HP Click App is compatible with Windows and Mac. HP Click Driver is compatible with Windows 11 only. HP Click software is only compatible with Original HP ink supplies. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.

[4] The percentage reductions in energy consumption are based on tests conducted by HP, 2024. Data based on the implementation of auto-scheduled on/off usage in various printer models, measured on a monthly basis. Actual savings may vary depending on the specific usage patterns, printer models, and environmental conditions.

[5] Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.

[6] Program availability varies. See https://www.hp.com/go/recycle .

Specifications

Print Resolution Color (best)	Up to 2400 x 1200 optimized dpi
AIO Functions	Print
Connectivity, Std	Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n
Software Included	HP Click App, HP Click Driver for Windows 11, HP app for Windows, macOS, Android, and iOS
Technical Features	A3 input tray;Auto-power on/off scheduler;130/300 ml cartridges;Max. resolution 2400 x 2400 dpi;Sheet organizer accessories;HP Wolf Pro Security;HP Flex Tech Inks
Energy Star Certified	Yes
Product Dimensions W x D x H (metric)	1407 x 701 x 967 mm
Product Dimensions W x D x H (imperial)	55.4 x 27.6 x 38.1 in
Weight (metric)	47 kg
Weight (imperial)	103.6 lb
Power Consumption Description	35 W (printing), <5.5 W (ready), <2.5 W (sleep), <0.2 W (off). Auto-scheduled printer on/off usage.
Environmental Certifications	ENERGY STAR, EPEAT, UL ECOLOGO® certified inks, CE marking (including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements.
What Is In The Box	HP DesignJet T850 Printer, printhead, introductory ink cartridges, printer stand, spindle, guide, warranty flyer, power cord

Additional specifications

AIO Functions (filter)	Print
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)
Cartridge Size (filter)	130 ml; 300 ml
Color Ink Technology (filter)	Pigment
Datasheet Photo 01	https://hp.widen.net/content/aptvdjijd9/png/HP%20DesignJet%20T850%20-%20Front%20AEC_4636761.png
Dynamic security	Dynamic security enabled printer
Electromagnetic Emission Standard	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)
HP ePrint Capability	Yes
Hard Disk	None
Ink Drop	6 pl (C, M, Y); 12.6 pl (mK)
Ink Types	Pigment-based (C, M, Y, mK)
Line Accuracy	±0.1%[2]
Maximum Optical Density (black)	15 L* min/1.7 D[3]
Maximum roll diameter (imperial) (filter)	3.9 in
Media Handling, Document Finishing	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
Media Sizes Custom (imperial)	Input tray: 8.3 x 11 to 12 x 18 in; Manual feed: 8.3 x 11 to 36 x 66 in
Media Sizes Custom (metric)	Input tray: 210 x 279 to 305 x 457 mm; Manual feed: 210 x 279 to 914 x 1676 mm
Media Sizes Standard (imperial Rolls)	14.5 to 36 in
Media Thickness (by paper path)	Up to 11.8 mil
Media Thickness Maximum (metric)	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)
Media Weight Recommended (metric)	60 to 280 g/m² (roll/manual feed); 60 to 220 g/m² (input tray)

Media Width Maximum (imperial)	36 in
Media Width Maximum (metric)	914 mm
Media sizes standard (metric rolls)	369 to 914 mm
Model Size (imperial)	36 in
Model Size (metric)	914 mm
Network Ready	Standard
Non-Printable Area (imperial cut-sheet)	0.2 x 0.2 x 0.2 x 0.2 in
Non-Printable Area (metric cut-sheet)	5 x 5 x 5 x 5 mm
Non-operating Humidity Range	0 to 95% RH
Non-printable Area Roll Media (imperial)	0.2 x 0.2 x 0.2 x 0.2 in
Non-printable Area Roll Media (metric)	5 x 5 x 5 x 5 mm
Number of Cartridges (filter)	4
Operating Altitude (imperial)	Up to 9843 ft
Operating Altitude (metric)	Up to 3000 m
Operating Humidity Range	20 to 80% RH
Operating Temperature Range (celsius)	5 to 40°C
Operating Temperature Range (fahrenheit)	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 (imperial)	62 x 22.5 x 25.5 in
Package Dimensions W x D x H (metric)	1575 x 570 x 650 mm
Package Weight (imperial)	156.5 lb
Package Weight (metric)	71 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/c08169148.png
Post Consumer Recycled Plastic In Hardware by weight of plastic	42%
Power Supply Required	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max

Print Cartridge/Bottle Volume (metric)	300 ml cartridge, 130 ml cartridge
Print Cartridge/Bottle, Color(s)	Cyan, magenta, yellow, matte black
Print Cartridges/Bottle, Number	4 (C, M, Y, mK) cartridges
Print Head Nozzles	1376 per color; 5504 in total
Print Heads	1 (C, M, Y, mK)
Print Languages, Standard	TIFF, JPEG, URF, HP-GL/2, HP-RTL, CALS G4
Print Multi-size Files In One Click	Yes
Print Speed (filter)	20 to 30 sec/page on D size
Print Speed (imperial)	25 sec/page for D size, 90 D size 24" x 36" prints per hour[1]
Print Speed (metric)	25 sec/page on A1, 90 A1 prints per hour[1]
Print Technology	HP Thermal Inkjet
Printer Applications (filter)	Architecture; Engineering; Construction; Technical documents; Retail signage; Maps; Education; Presentation graphics
Printer Drivers Included	Raster driver for macOS and Windows, HP Click Driver for Windows 11, HP-GL/2 driver for Windows
Printer Features (filter)	Sheet input tray; Automatic horizontal cutter; Stand; Wi-Fi
Printing Path	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
Product Logos	AirPrint; CE marking; ENERGY STAR; EPEAT green; UL ECOLOGO; IPv6 Ready; Mac; Wi-Fi Certified; Windows 11 Compatible; HP Wolf Security logo
Product-specific Additional Information Pointer	https://www.hp.com/go/designjet-t850
Recommended Media	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]; HP Recycled[6] Removable Adhesive Fabric; HP Opaque Scrim Banner; HP Production Matte Canvas; HP Backlit Polyester Film; HP Universal Instant-dry Gloss Photo Paper(FSC® certified)[4]; HP Universal Instant-dry Satin Photo Paper (FSC® certified)[4]; HP Everyday Matte Polypropylene
Remote Print Enabled	Yes
Roll External Diameter	100 mm
Roll External Diameter (imperial)	3.9 in
Roll Maximum Input	1
Roll Maximum Weight (imperial)	13.6 lb
Roll Maximum Weight (metric)	6.2 kg
Roll Size (filter)	Up to 36 in

Safety Approvals and Requirements	USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NYCE); Argentina (IRAM); India (BIS)
Security Features	HP Wolf Pro Security, HP Secure Boot, Allowlisting, Security event logging, Disable network ports and protocols, SNMPv3, 802.1x compatibility, TLS/SSL, HP Web JetAdmin, HP Security Manager, SIEM Integration, FIPS 140-2 (in transit)
Standard Media Sizes Supported (imperial)	Input tray: A, B; Manual feed: A, B, C, D, E
Standard Media Sizes Supported (metric)	Input tray: A4, A3; Manual feed: A4, A3, A2, A1, A0
Standard Memory	1 GB
Storage Temperature Range (celsius)	-25 to 55°C
Storage Temperature Range (fahrenheit)	-13 to 131°F
Supported Applications, Primary	Banners; Line drawings; Maps; Posters; Presentations; Renderings; Signage
Sustainability Impact (filter)	ENERGY STAR®; EPEAT®; UL Ecologo
Technology	Ink
Technology Logo 01	AHID/cce10ebbd356d96074154a12dc62032a64b058f3
Technology Logo 02	AHID/60d2a69d632efba286c546dd6a2fcfdb5c3c9e1f
Technology Logo 03	AHID/cd33e848211911e4369b10008531951b0aa3cde7
Technology Logo 04	AHID/c51bf05ff1023abad6fda02c5a970763b91946f4
Technology Logo 05	AHID/6615658f92b8dd21f3c5b78f3bea628bd257123b
Technology Logo 06	AHID/0e41ea2a916263d4c3403cc03016fcaae7311969
Technology Logo 07	AHID/1f8b1ff3a68a6ba2a0939f2536845c50fe9dec4f
Theoretical Minimum Line Width (imperial)	0.0008 in (via raster driver)
Theoretical Minimum Line Width (metric)	0.02 mm (via raster driver)
UNSPSC Code	43212104
UPC Number	(AB1) 198701770633; (ABG) 196548313037; (AC4) 197498560564; (ACJ) 196548313044; (AKV) 197498560571; (B19) 196548313051; (B1K) 196548313068; (BCD) 196548313075; (EMU) 196548313082

Ink/Toner/Paper/Printer Supplies

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 4287 DesignJet Printhead	7FP50A
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 738 130-ml Yellow DesignJet Ink Cartridge	A4TL5A
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 738 300-ml Yellow DesignJet Ink Cartridge	A4TL7A
HP 738B 130-ml Black DesignJet Ink Cartridge	498P2A
HP 738B 300-ml Black DesignJet Ink Cartridge	498P6A
HP 738M 130-ml Black DesignJet Ink Cartridge	A24VLA
HP 738M 130-ml Cyan DesignJet Ink Cartridge	A24VMA
HP 738M 130-ml Magenta DesignJet Ink Cartridge	A24VNA
HP 738M 130-ml Yellow DesignJet Ink Cartridge	A24VPA
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 and Stacker Kit	698G8A

Scanners/Copiers/Faxes

Scanners

★ : Recommended

Large Format Scanners

HP HD Pro 2 42-in Scanner	5EK00A
HP SD Pro 2 44-in Scanner	5EK01A

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