HP DesignJet T790
Printer series

The most productive 24-inch HP DesignJet printer\(^1\) for small teams

**QUALITY—**Quickly produce outstanding results

- Six Original HP inks produce a wide color gamut ideal for color graphics.
- Original HP gray and photo black inks achieve precise line accuracy, dark blacks, and true neutral grays.
- Communicate with precision—produce plans, drawings, and maps with fine line quality, and up to 2400 dpi.
- Print quickly without sacrificing quality—create an A1/D-size print in 32 seconds with Economode.

**CONVENIENCE—**Speed up printing with easy workflow

- Print TIFF, JPEG, and PDF\(^2\) files from your printer’s USB thumb drive—no computer required.
- If you’re on-the-go, attach your document to an email and send it directly to your printer via ePrint.\(^3\)
- The intuitive touchscreen simplifies navigation and printing.

**RELIABILITY—**Plug-and-play printer for small teams

- Focus on your design—not printing—with this reliable HP DesignJet printer.
- Quick printing—in-printer processing architecture, added memory for processing even the most complex files.
- Print confidently knowing that, even if you’re in a rush, this printer can handle all your files.

For more information, please visit
hp.com/go/designjetT790

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\(^1\) Compared to other 24-inch HP DesignJet T-series printers.

\(^2\) PDF files only available with PostScript® (PS) accessory (optional accessory to be purchased separately) or with the PostScript® version of the printer.

\(^3\) Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. See http://www.hp.com/go/designjetmobility for more details.
### Technical specifications

**Print**
- Line drawings: 32 see/ page on A1/D, 93 A1/D prints per hour
- Colour images: Fast: 37 m²/h (400 ft²/h) on coated media
- Best: 2.8 m²/h (30 ft²/h) on glossy media
- Print resolution: Up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization for Photo Paper selected
- Margins (top/bottomandreight):
  - Roll: 5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 in)
  - Sheet: 5 x 17 x 5 x 5 mm (0.2 x 0.7 x 0.2 in)
- Technology: HP Thermal Inkjet
- Ink types: Dye-based (C, G, F, P, Y), pigment-based (mK)
- Ink drop:
  - 6 pl, C, G, M, P, R, Y ink (mK, Y)
- Printheads: 3.65 cm (mK) and 5.12 cm (C, G, F, P, Y)
- Line accuracy: +/-0.1 mm
- Minimum width line: 0.02 mm (0.0008 in) (HP GLZL addressable)
- Guaranteed minimum line width: 0.016 mm (0.0006 in) (ISOIEC 13860 2001 T2)

**Memory**
- Basic Printer: 8 GB (virtual)
- PostScript® Printer: 8 GB (virtual), 160 GB hard disk

**Connectivity**
- Interfaces (standard):
  - Fast Ethernet (100Base-T), Hi-Sped USB 2.0 certified, EIO Jetdirect accessory slot
- Print languages (standard):
  - Basic Printer: HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI
  - PostScript® Printer: Adobe PostScript 3®, Adobe PDF 1.7, HP-GL/2, JPEG, CALS G4, HP PCL 3 GUI
- Printheads (optional):
  - Adobe PostScript 3, Adobe PDF 1.7
  - HP-GL/2, HP-RTL drivers for Windows® (optimized for AutoCAD 2000 End), HP PCL 3 GUI driver for Mac OS X, PostScript Windows, Linux, and Mac drivers

**Media**
- Handling:
  - Sheet feed, roll feed, automatic cutter
- Weight:
  - 60 to 328 g/m²
- Size:
  - 210 to 610 mm (8.3 to 24-in wide) sheets, 279 to 610 mm (11 to 24-in) rolls
- Thickness:
  - Up to 0.8 mm (31.5 mil)

**Dimensions (w x d x h)**
- Printer: 1240 x 702 x 1050 mm (49.7 x 27.6 x 41.3 in)
- Shipping: 1440 x 706 x 1700 mm (56.7 x 27.6 x 66.9 in)
- Weight:
  - Printer: 60 kg (132 lb)
  - Shipping: 77 kg (170 lb)

**Environmental ranges**
- Operating temperature: 5 to 40°C (41 to 104°F)
- Storage temperature: -25 to 55°C (–13 to 131°F)
- Operating humidity: 20 to 80% RH
- Acoustic:
  - Sound pressure: 43 dB(A) (active), 29 dB(A) (standby)
  - Sound power: 6.1 B(A) (active), 4.7 B(A) (standby)

**Power consumption**
- < 1.20 watts (printing), < 27 watts (ready), < 7 watts (< 25 watts with embedded Digital Front End) (sleep), 0.1 watts (off)
- Input voltage/current: 100 to 240 VAC +/- 10%, 50/60 Hz +/- 3%, 2 A max

**Certification**
- Safety:
  - USA and Canada (CSA certified), EU UV (EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCE), Argentinian (REMA), Mexico (NOM), Korea (KATS)
- Electromagnetic:
  - Compliant with Class A requirements, including USA FCC rules, Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSNM, China (CCE), Japan (VCCI), Korea (KCC)
- Environmental:
  - ENERGY STAR, Welsh, EU RoHS, China RoHS, REACH, FSC® FSC®-C15319, see fsc.org for HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. For more information, please visit hp.com/go/OriginalHPInks.

**Warranty**
- One-year limited hardware warranty

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### Eco Highlights

- **ENERGY STAR** qualified and EPEAT Bronze registered
- Free, convenient HP ink cartridge and printhead recycling
- FSC®-certified papers and a range of recyclable HP media with a take-back program

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### Ordering information

**Product**
- CR947A®: HP DesignJet T790 24-in Printer

**Accessories**
- CN538A: HP DesignJet 3-in Core Adapter
- EN000B: HP DesignJet PostScript Upgrade
- Q8783A: HP DesignJet T724-in Stand
- Q6631A: HP DesignJet 1/2-4-in Stand
- Q6041C: HP DesignJet HD Scanner
- 5025A: HP Inkjet 540 Print Server
- A9062A: 5LP replacement for EIO Printer Driver

**Original HP printheads**
- C3930A: HP 72 Gray and Photo Black Printhead
- C3933A: HP 72 Magenta and Cyan Printhead
- C3934A: HP 72 Matte Black and Yellow Printhead

**Original HP ink cartridges**
- C3937A: HP 72 emerald Ink Cartridge
- C3938A: HP 72 emerald Magenta Ink Cartridge
- C4040A: HP 72 emerald Yellow Ink Cartridge
- C4051A: HP 72 emerald Gray Ink Cartridge
- C4053A: HP 72 matte Black Ink cartridge
- C3937A: HP 72 matte Ink Cartridge
- C3937A: HP 72 matte Magenta Ink Cartridge
- C3937A: HP 72 matte Yellow Ink Cartridge
- C3937A: HP 72 matte Gray Ink Cartridge

**Original large format printing materials**
- C8038A: HP White Inkjet Paper (FSC® certified) (24 in x 150 ft)
- C8019B: HP Coated Paper (FSC® certified) (24 in x 150 ft)
- C6029C: HP Heavyweight Coated Paper (FSC® certified) (24 in x 150 ft)
- C2987A: HP Premium Satin Photo Paper (FSC® certified) (24 in x 150 ft)

**Service and support**
- HP506E: HP 3 year Next Business Day Onsite Support
- HP503E: HP 3 year Next Business Day Onsite Support with Defective Media Retention
- HP509BE: HP 3 year 4-hour response, 1x1 Onsite Support
- HP509TE: HP 3 year 4-hour response, 2x2 Onsite Support
- HP503IP: HP 3 year Post Warranty, 1x1 Onsite Support
- HP509IP: HP 1 year Post Warranty, Next Business Day Onsite Support
- HP509IP: HP 1 year Post Warranty, Next Business Day Onsite Support with Defective Media Retention
- HP509IP: HP 3 year Post Warranty, 4-hour response, 1x1 Onsite Support
- H4518E: HP Network Installation Service
- H7404L: HP Installation and Startup Service

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**HP DesignJet Support Services**
- Offers solutions for business critical environments — installation, extended support and maintenance, as well as variety of value-added services. For more information, please visit hp.com/go/designJetSupport.

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Use **Original HP inks** and printheads 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 to provide precise line accuracy as well as dark blacks and true neutral grays. For more information, visit hp.com/go/OriginalHPInks.

For the entire **HP Large Format Printing Materials** portfolio, please see hplmedias.com.

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