



HP Designjet T790 ePrinter series

High-quality, web-connected 24-in ePrinter for high printing volumes



High-quality, rapid results

- Expect great results with six Original HP inks that deliver dark blacks, true neutral grays, and vivid colours
- Produce crisp lines and detailed drawings, using HP inks and printhead technology
- Print quickly without sacrificing quality. Create an A1/D-size print in 32 seconds with Economode
- Rely on true print previews from the driver to help complete your work quickly and accurately

Easy-to-use printer that can grow with businesses

- Process files easily with 8 GB memory, HP-GL/2, and PDF support for most operating systems and CAD software¹
- Invest in the future—software updates occur automatically, keeping your printer as current as your business
- Reduce interruptions, enjoy reliable printing with 130-ml Original HP ink cartridges
- Print TIFF, JPEG, and PDF¹ files from your printer's touchscreen or a USB thumb drive—no computer required

Print from virtually anywhere²

- Use your Apple® or Android™ smartphone or tablet to print from virtually anywhere²
- Access and print projects when you're away from your studio, using HP Designjet ePrint & Share²
- Automatically save copies of your work to the cloud when you print using HP Designjet ePrint & Share²
- Email projects to your HP Designjet T790 ePrinter and print, thanks to its web-connectivity features²

¹ PDF files only available with PostScript (PS) accessory (optional accessory to be purchased separately) or buying PS versions.

² Requires an HP Designjet ePrint & Share account, Internet connection to the printer, and connected Internet-capable device. When using the HP Designjet ePrint & Share mobile app, a compatible Apple® iOS or Android™ device and Internet connection are required. Data or connection charges may apply. Print times may vary. 2 GB of temporary storage per account. For more information, visit hp.com/go/eprintandshare.

Technical specifications

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|-------------------------------|--|--|
| Print | Line drawings ³ | 32 sec/page on A1/D, 93 A1/D prints per hour |
| | Colour images ⁴ | Fast: 37 m ² /hr (400 ft ² /hr) on coated media Best: 2.8 m ² /hr (30 ft ² /hr) on glossy media |
| | Print resolution | Up to 2400 x 1200 optimised dpi from 1200 x 1200 input dpi and Optimisation For Photo Paper selected |
| | Margins (top x bottom x left x right) | Roll: 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 0.67 x 0.2 x 0.2 in) |
| | Technology | HP Thermal Inkjet |
| | Ink types | Dye-based (C, G, M, pK, Y); pigment-based (mK) |
| | Ink drop | 6 pl (C, G, M, pK); 9 pl (mK, Y) |
| | Printheads | 3 (G & pK, mK & Y, M & C) |
| | Line accuracy | +/- 0.1% ⁵ |
| | Minimum line width | 0.02 mm (0.0008 in) (HP-GL/2 addressable) |
| | Guaranteed minimum line width | 0.06 mm (0.0024 in) (ISO/IEC 13660:2001(E)) ⁶ |
| Media | Handling | Sheet feed, roll feed, automatic cutter |
| | Weight | 60 to 328 g/m ² |
| | 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) |
| Memory | Basic ePrinter | 8 GB (virtual) ⁷ |
| | PostScript [®] ePrinter | 8 GB (virtual) ⁷ , 160 GB hard disk |
| Connectivity | Interfaces (standard) | Fast Ethernet (100Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot |
| | Print languages (standard) | Basic ePrinter: HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI PostScript[®] ePrinter: Adobe [®] PostScript [®] 3 [™] , Adobe PDF 1.7, HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI |
| | Print languages (optional) | Basic ePrinter: Adobe PostScript 3, Adobe PDF 1.7 |
| | Drivers (included) | HP-GL/2, HP-RTL drivers for Windows [®] (optimised for AutoCAD 2000 and higher); HP PCL 3 GUI driver for Mac OS X; PostScript Windows, Linux, and Mac drivers ⁸ |
| Dimensions (w x d x h) | Printer | 1262 x 702 x 1050 mm (49.7 x 27.6 x 41.3 in) |
| | Shipping | 1440 x 766 x 770 mm (56.7 x 30.2 x 30.3 in) |
| Weight | Printer | 60 kg (132 lb) |
| | Shipping | 77 kg (170 lb) |
| What's in the box | HP Designjet T790 ePrinter, printheads, introductory ink cartridges, printer stand ⁹ , spindle, quick reference guide, setup poster, startup software, power cord | |
| 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 | < 120 watts (printing), < 27 watts (ready), < 7 watts (< 25 watts with embedded Digital Front End) (sleep), 0.1 watts (off) | |
| | Input voltage (auto ranging) | 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max |
| Certification | Safety | USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KATS) |
| | Electromagnetic | Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC) |
| | Environmental | ENERGY STAR, WEEE, EU RoHS, China RoHS, REACH, FEMP |
| Warranty | One-year limited hardware warranty | |

³ Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (Bond) with Original HP inks.

⁴ Mechanical printing time with Original HP inks.

⁵ +/-0.1% of the specified vector length or +/-0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Film and Original HP inks.

⁶ Measured on HP Matte Film.

⁷ Based on 640 MB RAM.

⁸ Included with PostScript printers only.



For more information, please visit hp.com/go/DesignjetT790

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Ordering information

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| Product | CR647A | HP Designjet T790 24-in ePrinter |
| | CR648A | HP Designjet T790 24-in PostScript ePrinter |
| Accessories | CN538A | HP Designjet 3-in Core Adapter |
| | CN500B | HP Designjet PostScript Upgrade |
| | CQ783A | HP Designjet T7xx 24-in Spindle |
| | Q6663A | HP Designjet T/JZ 24-in Stand ⁹ |
| | CQ654B/CQ654C | HP Designjet HD Scanner |
| | J8025A | HP Jetdirect 640n Print Server |
| | A9D02A | SCP reprocontrol with Folder Driver for HP |
| Original HP printheads | C9380A | HP 72 Gray and Photo Black Printhead |
| | C9383A | HP 72 Magenta and Cyan Printhead |
| | C9384A | HP 72 Matte Black and Yellow Printhead |
| Original HP ink cartridges | C9397A | HP 72 69-ml Photo Black Ink Cartridge |
| | C9398A | HP 72 69-ml Cyan Ink Cartridge |
| | C9399A | HP 72 69-ml Magenta Ink Cartridge |
| | C9400A | HP 72 69-ml Yellow Ink Cartridge |
| | C9401A | HP 72 69-ml Gray Ink Cartridge |
| | C9403A | HP 72 130-ml Matte Black Ink Cartridge |
| | C9370A | HP 72 130-ml Photo Black Ink Cartridge |
| | C9371A | HP 72 130-ml Cyan Ink Cartridge |
| | C9372A | HP 72 130-ml Magenta Ink Cartridge |
| | C9373A | HP 72 130-ml Yellow Ink Cartridge |
| C9374A | HP 72 130-ml Gray Ink Cartridge | |
| Original HP large format printing materials | C6035A | HP Bright White Inkjet Paper (FSC [®] certified) ¹⁰ ¹¹ 610 mm x 45.7 m (24 in x 150 ft) |
| | C6019B | HP Coated Paper (PEFC [™] certified) ¹⁰ ¹¹ 610 mm x 45.7 m (24 in x 150 ft) |
| | C6029C | HP Heavyweight Coated Paper (PEFC [™] certified) ¹⁰ ¹¹ 610 mm x 30.5 m (24 in x 100 ft) |
| | CZ987A | HP Premium Satin Photo Paper (FSC [®] certified) ¹⁰ 610 mm x 15.2 m (24 in x 50 ft) |
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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 optimised printing system to provide precise line accuracy ¹² as well as dark blacks and true neutral grays ¹² . For more information, visit hp.com/go/OriginalHPinks . | | |
| For the entire HP Large Format Printing Materials portfolio, please see hp.com/go/designjet/supplies . | | |
| Service and support | HP596E | HP 3 year Next Business Day Onsite Support |
| | HP603E | HP 3 year Next Business Day Onsite Support with Defective Media Retention |
| | HP598E | HP 3 year 4-hour response, 13x5 Onsite Support |
| | HP597E | HP 3 year 4-hour response, 9x5 Onsite Support |
| | HP603E | HP 3 year Next Business Day Onsite Support with Defective Media Retention |
| | HP993PE | HP 1 year Post Warranty, Next Business Day Onsite Support |
| | HP995PE | HP 1 year Post Warranty, Next Business Day Onsite Support with Defective Media Retention |
| | HP997PE | HP 1 year Post Warranty, 4-hour response, 13x5 Onsite Support |
| | H4518E | HP Network Installation Service |
| | H7604E | HP Installation and Startup Service |

⁹ Stand not included in the box outside of North America and Latin America.

¹⁰ FSC[®] trademark license code FSC[®]-C017543, see fsc.org. PEFC[™] trademark license code PEFC[™]/29-31-198, see pefc.org. Not all FSC[®]- or PEFC[™]-certified products are available in all regions.

¹¹ Can be recycled through commonly available recycling programs.

¹² Applicable to HP Designjet T-series Printers, ePrinters, and eMFPs. True neutral grays produced by printers compatible with the HP Three-black ink set.

