



HP Designjet T790 ePrinter series

Web-connected 24-in ePrinter for small and medium workgroups



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.

Eco Highlights

- ENERGY STAR® qualified and EPEAT Bronze registered¹
- Free, convenient HP ink cartridge and printhead recycling²
- FSC®-certified papers and a range of recyclable HP media with a take-back program²



¹ EPEAT registered where applicable and/or supported. See epeat.net for registration status by country.
² Program availability varies. Please check hp.com/recycle for details. BMG trademark license code FSC®-C115319, see fsc.org.
HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.
For information about HP large format printing materials, please visit globalBMG.com/hp.

Please recycle large-format printing hardware and printing supplies.
Find out how at our website
hp.com/ecosolutions

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. 5 GB of temporary storage per account. For more information, visit hp.com/go/eprintandshare.

Technical specifications

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 optimized dpi from 1200 x 1200 input dpi and Optimization 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 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® (optimized 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, EPEAT Bronze	
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.

⁹ Only available in Asia Pacific, Japan, and Latin America.



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

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Ordering information

Product	CR647A ⁹	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/Z 24-in Stand ¹⁰	
	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
C9397A		HP 72 69-ml Photo Black Ink Cartridge	
Original HP ink cartridges	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) ¹¹ ♻️ ¹² 610 mm x 45.7 m (24 in x 150 ft)	
	C6019B	HP Coated Paper (PEFC™ certified) ¹¹ ♻️ ¹² 610 mm x 45.7 m (24 in x 150 ft)	
	C6029C	HP Heavyweight Coated Paper (PEFC™ certified) ¹¹ ♻️ ¹² 610 mm x 30.5 m (24 in x 100 ft)	
	CZ987A	HP Premium Satin Photo Paper (FSC® certified) ¹¹ 610 mm x 15.2 m (24 in x 50 ft)	
	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 ¹³	
HP598E		HP 3 year 4-hour response, 13x5 Onsite Support ¹⁴	
HP597E		HP 3 year 4-hour response, 9x5 Onsite Support ¹⁴	
HP603E		HP 3 year Next Business Day Onsite Support with Defective Media Retention ¹³	
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 ¹⁴	
HP997PE		HP 1 year Post Warranty, 4-hour response, 13x5 Onsite Support ¹⁴	
H4518E	HP Network Installation Service		
H7604E	HP Installation and Startup Service		

HP Designjet Support Services offer 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.

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.¹⁵ For more information, visit hp.com/go/OriginalHPInks.

For the entire HP Large Format Printing Materials portfolio, please see globalBGM.com/hp.

¹⁰ Stand not included in the box outside of North America and Latin America.

¹¹ 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.

¹² Can be recycled through commonly available recycling programs.

¹³ Not available in Europe, Middle East, and Africa.

¹⁴ Not available in North America and Latin America.

¹⁵ Applicable to HP Designjet T-series Printers, ePrinters, and eMFPs. True neutral grays produced by printers compatible with the HP Three-black ink set.

