Data sheet

HP DesignJet T790 PostScript® Printer

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

[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). 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[4]	32 sec/page on A1/D, 93 A1/D prints per hour
	Colour images[5]	**Fast:** 37 m²/hr (400 ft²/hr) on coated media **Best:** 2.8 m²/hr (30 ft²/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 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%[6]
	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))[7]
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)
Memory		8 GB (virtual)[8], 160 GB hard disk
Connectivity	Interfaces (standard)	Fast Ethernet (100Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot
	Print languages	Adobe® PostScript® 3™, Adobe PDF 1.7, HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI
	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
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 Printer, 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

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

[5] Mechanical printing time with Original HP inks.

[6] +/-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.

[7] Measured on HP Matte Film.

[8] Based on 640 MB RAM.

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

[10] Only available in Asia Pacific, Japan, and Europe Middle East and Africa.

[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, Printers, and eMFPs. True neutral grays produced by printers compatible with the HP Three-black ink set.

Ordering information

Product	CR648A	HP DesignJet T790 24-in PostScript® Printer
Accessories	CN538A	HP DesignJet 3-in Core Adapter
	CQ783A	HP DesignJet T7xx 24-in Spindle
	Q6663A	HP DesignJet T/Z 24-in Stand[10]
	G6H50B	HP SD Pro 44-in Scanner
	G6H51B	HP HD Pro 42-in Scanner
	J8025A	HP Jetdirect 640n Print Server
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)[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	HP603E	HP 3 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet T790-24in[13]
	HP605E	HP 5 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet T790-24in
	HP995PE	HP 1 year Post Warranty NBD Onsite HW Support w/Defective Media Retention for DesignJet T790-24in[14]
	U7UW5PE	HP 2 year Post Warranty NBD Onsite HW Support w/Defective Media Retention for DesignJet T790-24
	H4518E	HP Network Installation Service for DesignJet High-end and Midrange
	U1XV4E	HP Preventive Maintenance Onsite Service for 2 hour for DesignJet Printers (Single Event)

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 HPLFMedia.com.

Eco Highlights

- ENERGY STAR® qualified and EPEAT Bronze registered[1]
- Free, convenient HP ink cartridge and printhead recycling[2]
- FSC®-certified papers and a range of recyclable HP media with a take-back program[2]

[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 HPLFMedia.com.

Please recycle large-format printing hardware and printing supplies

Find out how at our website
hp.com/ecosolutions