HP DESIGNJET T790 ePRINTER SERIES

TECHNICAL SPECIFICATIONS

PRINT

Line drawings[1]	28 sec/page on A1/D, 103 A1/D prints per hour
Color images[2]	Fast: 41 m²/hr (445 ft²/hr) on coated media Best: 3.1 m²/hr (33.3 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 cartridge colors	Cyan (C), gray (G), magenta (M), matte black (mK), photo black (pK), yellow (Y)
Ink types	Dye-based (C, G, M, pK, Y); pigment-based (mK)
Ink drop	6 pl (C, G, M, pK); 9 pl (mK, Y)
Ink cartridge size	130 ml (C, G, M, mK, pK, Y) 69 ml (C, G, M, pK, Y)
Printheads	3 (G & pK, mK & Y, M & C)
Line accuracy	+/- 0.1%[3]
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))[4]
Maximum print length	91 m (300 ft) (OS and application dependent)

MEDIA

Handling	Sheet feed, roll feed, automatic cutter
Types	Bond and coated paper (bond, coated, heavyweight coated, super heavyweight plus matte); technical paper (natural tracing, translucent bond, vellum); film (clear, matte); photographic paper (satin, gloss, semi-gloss, matte, high-gloss); self-adhesive (polypropylene, vinyl)
Weight	60 to 328 g/m²
Size	24-in printers: 210 x 279 to 610 x 1676 mm (8.26 x 11 to 24 x 66 in) sheets; 279 to 610-mm (11 to 24-in) rolls 44-in printers: 210 x 279 to 1118 x 1676 mm (8.26 x 11 to 44 x 66 in) sheets; 279 to 1118-mm (11 to 44-in) rolls
Thickness	Up to 0.8 mm (31.5 mil)

MEMORY

	Basic ePrinter: 8 GB (virtual)[5] PostScript® ePrinter: 8 GB (virtual)[5], 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[6]

RECOMMENDED SYSTEM REQUIREMENTS

Mac	Mac OS X v 10.4, Mac OS X v 10.5: PowerPC G4, G5, or Intel Core Processor; 1 GB RAM; 2 GB available hard disk space
Windows	Windows XP® (SP2 or later): Intel® Pentium® family or AMD® K6/Athlon/Duron family (1 GHz), 1 GB RAM, 2 GB available hard disk space; Windows Vista®: 32-bit (x86) or 64-bit (x64) processor (1 GHz), 2 GB RAM, 2 GB available hard disk space

DIMENSIONS (w x d x h) AND WEIGHT

Printer	24-in printers: 1262 x 702 x 1050 mm (49.7 x 27.6 x 41.3 in); 60 kg (132 lb) 44-in printers: 1770 x 701 x 1050 mm (69.7 x 27.6 x 41.3 in); 81.6 kg (180 lb)
Shipping	24-in printers: 1440 x 766 x 770 mm (56.7 x 30.2 x 30.3 in); 77 kg (170 lb) 44-in printers: 1930 x 766 x 770 mm (76 x 30.2 x 30.3 in); 103 kg (227 lb)

WHAT'S IN THE BOX

	HP Designjet T790 Printer, printheads, introductory ink cartridges, printer stand[7], 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
Storage humidity	0 to 95% RH

ACOUSTIC

Sound pressure, active/standby	46 dB(A)/29 dB(A)
Sound power, active/standby	6.3 B(A)/4.4 B(A)

POWER

Printing	< 120 watts
Powersave	< 7 watts (< 25 watts with embedded Digital Front End)
Off	0.1 watts
Requirements	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 EN 60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE)
Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, EuP, FEMP
ENERGY STAR® qualified models	See: www.hp.com/go/energystar

WARRANTY

	One-year limited hardware warranty

ORDERING INFORMATION

PRODUCT

CR647A	HP Designjet T790 24-in ePrinter
CR648A	HP Designjet T790 24-in PostScript ePrinter
CR649A	HP Designjet T790 44-in ePrinter
CR650A	HP Designjet T790 44-in PostScript ePrinter

ACCESSORIES

CN500B	HP Designjet PostScript Upgrade
CQ783A	HP Designjet T7xx 24-in Spindle
Q6709A	HP Designjet 44-inch Roll Feed Spindle
Q6663A	HP Designjet T/Z 24-in Stand[7]
CQ654A	HP Designjet HD Scanner
CN501A	HP Designjet External Hard Disk
J7961G	HP Jetdirect 635n IPv6/IPsec 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

HP Designjet printers

Image quality
Consistency
Performance
Durability
Value

HP Designjet ink supplies — HP large-format printing materials

The HP printing system
HP printers, HP ink formulations and printing supplies, and HP printing materials are designed and engineered to work together as an optimized printing system, providing exceptional print quality and reliability—print after print. HP supplies are exceptionally consistent—providing less downtime and increased productivity.

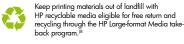Try these popular HP media and experience optimum performance from your HP printing system:

ORIGINAL HP LARGE-FORMAT PRINTING MATERIALS

HP Bright White Inkjet Paper [8]	ColorPRO FSC® certified	C1860A, C1861A, C6035A, C6036A, C6810A, Q1444A-Q1446A
HP Universal Bond Paper [8]	ColorPRO FSC® certified	Q1396A-Q1398A, Q8751A, Q8003A-Q8005A
HP Recycled Bond Paper [8]		CG889A-CG892A
HP Universal Coated Paper [8]	FSC® certified	Q1404A-Q1406A
HP Universal Heavyweight Coated Paper [8]	FSC® certified	Q1412A-Q1414A
HP Translucent Bond Paper [8]		C3859A, C3860A
HP Vellum Paper		C3861A, C3862A
HP Clear Film [8]		C3875A, C3876A
HP Matte Film [8]		51642A, 51642B
HP Premium Matte Photo Paper [8]		CG459A, CG460A
HP Premium Plus Gloss Photo Paper (Satin)		Q5488A (Q7920A,Q5491A)
HP Universal High-gloss Photo Paper (Semi-gloss)		Q1426A-Q1428A (Q1420A-Q1422A)
HP Everyday Adhesive Matte Polypropylene		CG824A, CG825A, CG843A
HP Coated Paper [8]	PEFC certified	C6019B, C6020B, C6567B, C6980A, Q1441A-Q1443A
HP Heavyweight Coated Paper [8]	PEFC certified	C6029C, C6030C, C6569C, Q1956A

For more HP large-format printing materials and detailed information on sizes and region availability, please visit us online at: **www.hp.com/go/lfprinting/materials-supplies**

FSC® certified HP printing materials carry the Forest Stewardship Council (FSC) Mixed Sources label, signifying that these media support the development of responsible forest management worldwide.

FSC
www.fsc.org
FSC® C017543

The PEFC label demonstrates that certified HP papers come from forests that are managed sustainably.

PEFC
PEFC/29-31-198

With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications.

Keep printing materials out of landfill with HP recyclable media eligible for free return and recycling through the HP Large-format Media take-back program.[8]

SERVICE AND SUPPORT—HP DESIGNJET T790

24-in	44-in	
HP596E	HP998E	HP 3 year Next Business Day Hardware Support
HP601E	HQ009E	HP 4 year Next Business Day Hardware Support
HP602E	HQ003E	HP 5 year Next Business Day Hardware Support
HP993PE	HQ015PE	HP 1 year Post Warranty, Next Business Day Hardware Support
HP994PE	HQ013PE	HP 2 year Post Warranty, Next Business Day Hardware Support
H4518E	H4518E	HP Network Installation Service

[1] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (Bond). Measured on a 44-in printer.
[2] Mechanical printing time. Measured on a 44-in printer.
[3] +/-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.
[4] Measured on HP Matte Film.
[5] Based on 640 MB RAM.
[6] Included with PostScript printers only.
[7] Stand not included in the box for 24-in printers outside of North America and Latin America.
[8] Large-format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See www.hp.com/recycle for details.