



## HP Designjet 750C Plus Printer - Product Specifications

Impossible d'afficher l'image liée. Le fichier a peut-être été déplacé, renommé o...

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## Model numbers

Description	Model number
HP DesignJet 750 C Plus printer (D/A1-size)	C4708A
HP DesignJet 750 C Plus printer (E/A0-size)	C4709A

## Serial number location

When looking at the back of the printer, the serial number is located directly above the power plug on the right side of the rear panel.

## Printer description

This product is a mid-range Inkjet printer platform. It features the following:

- Print resolution of true 600 dpi in monochrome
- Addressable resolution of 600 dpi in HPGL/2 color
- Color support in a large range of media types
- Built-in Bitronics and RS-232C I/O ports
- Handles cut sheet and roll media sizes from A4/A to A1/D or A0/E depending on the model number

## Printer features

Fastest in Its Class

- Color/Mono < 4 min (D/A1-size)
- Mono draft < 2 min (D/A1-size)
- High speed parallel interface
- Optimized drivers

Simple Color Management

- ColorSmart Color Management

## Best Print Quality

- HP's proprietary industry leading technology
- Excellent color quality on plain paper
- 12 different HP branded media supported (including HP glossy and films)
- Addressable 600-dpi color, True 600-dpi black

## Plug and Play Connectivity

- Best-in-class drivers for AutoCAD and Windows (support for Windows NT)
- HP ZoomSmart and Page Preview
- Enhanced PostScript (TM) Support: Windows NT, Macintosh, inked area
- JetDirect (J2552B) Networking

## Unattended Operation

- Rollfeed with automatic cutter
- Plot queuing and nesting
- Ink level indicator
- Automatic cartridge alignment

## Recommended cables

### Cables for PCs

Interface Type and Computer	HP Part Number	Cable Length	Connector Type, Computer End, Cable
Parallel (Bitronics/Centronics) Interface	C2951A	3.0 m	25-pin male
	C2950A	(9.8 ft)	25-pin male
		2.1 m (6.9 ft)	
Serial (RS-232-C) Interface	24542G	3.0 m (9.8 ft)	9-pin female

HP Vectra or HP 24541A/B serial-interface card (9-pin connector)			
IBM AT and compatibles using 9-pin serial connectors			
HP Vectra PC with HP 24541A/B dual serial-interface card using the 25-pin connector	13242G	5.0 m (16.4 ft)	25-pin male
IBM PC, PC/XT, PC/AT, PS/1, PS/2 and compatibles	C2913A	1.2 m	25-pin
	17255D	(3.9 ft)	female
		1.2 m (3.9 ft)	25-pin female

## Cables for Macintoshes

Interface type and Computer	HP part number	Cable length	Connector type computer end of cable
Serial (RS-232-C) Interface  Apple Macintosh Plus, SE, II Series, Classic, LC family, Quadra family, PowerBook, PowerMac	17302A	1.5 m (4.9 ft)	8-pin male  mini-DIN

## Cables for UNIX (R) systems

Interface type and Computer	HP part number	Cable length	Connector type computer end of cable
Parallel (Bitronics/Centronics) Interface  All	C2951A	3.0 m	25-pin m
	C2950A	(9.8 ft)	25-pin m
		2.1 m (6.9 ft)	
Serial (RS-232-C)	24542G	3.0 m	9-pin fen

Interface		(9.8 ft)	
HP 9000 workstations using 9-pin connectors.			
HP Apollo workstation using an SPE (Serial/Parallel Expansion) option and supplied adapter cable	13242G	5.0 m (16.4 ft)	25-pin male
Sun workstation  <b>NOTE:</b> A Sun serial adapter cable may be used to convert the DIN connector found on certain Sun SPARC stations to the 25-pin connector on the HP cable. Contact the Sun dealer for part numbers.	13242G	5.0 m (16.4 ft)	25-pin male

## Interface specifications

### Parallel interface

The connector on the printer is 36-pin female.

Most existing parallel cables support Bitronics communication, but for use with this printer, the cable must meet the specification in the following table:

### Parallel (bitronics/centronics) interface

Pin	Wire/signal name	Source
1	Strobe	computer
2 ... 9	D0 ... D7 (data lines)	both
10	Ack	printer
11	Busy	printer
12	PError	printer
13	Select (SelectOut)	printer
14	AutoFd	computer
16	GND	
19 ... 30	GND	
31	Init	computer
32	Fault	printer
36	SelectIn	computer

## Serial interface

The connector on the printer is 25-pin female.

The printer is configured as DTE (data terminal equipment).

Data are transmitted on Pin 2 and received on Pin 3.

## Serial (RS-232-C) Interface

Pin	Wire/Signal Name	Source
1	Protective Ground	
2	Transmitted Data	DTE
3	Received Data	DCE
4	Request to Send	DTE
6	Data Set Ready	DCE
7	Signal Ground	
20	Data Terminal Ready	DTE

## Print-quality information

[1] Except for glossy media types, on which the resolution is always 300 dpi.

[2] Addressable dpi (depending on the type of image the application software has created). Only on coated paper, matte film and opaque bond media.

Print quality		Resolution	
Fast print quality		300 x 300 dpi.	
Normal print quality		600 x 600 dpi.	
Best print quality		600 x 600 dpi.	
Color/Mono set to: Mono		Color/Mono set to: Color	
Fast print quality	300 x 300 dpi.	Fast print quality	300 x 300 dpi.
Normal print quality	600 x 600 dpi.[1]	Normal print quality	300 x 300 dpi.
Best print quality	600 x 600 dpi.[1]	Best print quality	600 x 600 dpi.[2]

## Media specifications

Media sizes	Width (carriage axis)		Length (paper axis)	
	Minimum	Maximum	Minimum	Maximum
E/A0-size printer	190 mm (7.5 inches)	917 mm (36.1 inches)	210 mm (8.3 inches)	15.2 m (50 ft)  (Maximum length of long axis plot on roll media)
D/A1-size printer	190 mm (7.5 inches)	625 mm (24.6 inches)	210 mm (8.3 inches)	15.2 (50 ft)  sheet media

## Media types

[1] CAD drawings only and HP media only.

[2] Monochrome drawings can be plotted on glossy media providing the color cartridges are loaded.

Monochrome	Color
Opaque bond	Opaque bond (CAD drawings only)
Translucent bond	Natural tracing paper[1]
Natural tracing paper	Vellum[1]
Vellum	Coated paper
Coated paper	Matte film
Matte film	Clear film
Clear film	Heavy coated paper
Heavy coated paper	
High-gloss photo paper[2]	High-gloss photo paper
Semi-gloss photo paper[2]	Semi-gloss photo paper
High-gloss film[2]	High-gloss film

**NOTE:** See also Supplies Source catalog and (in Europe and U.S.A.) Media Reference Guide.

**NOTE:** From time to time, new media types may become available. For up information, please contact the HP dealer or local HP Sales and St Office.

## Media handling information

### ANSI Media

This table is calculated with normal margins. Plotting area equals medium size minus margins.

<b>Plotting area (width x height) by orientation of drawing</b>				
<b>Media size (and orientation)</b>	<b>Landscape</b>	<b>Portrait</b>	<b>Landscape</b>	<b>Portrait</b>
A (portrait)	9.66 x 8.1 inches	8.1 x 9.66 inches	245 x 205 mm	205 x 245
A (landscape)	10.6 x 7.16 inches	7.16 x 10.6 inches	269 x 182 mm	182 x 269
B (portrait)	15.7 x 10.6 inches	10.6 x 15.7 inches	397 x 269 mm	269 x 397
B (landscape)	16.6 x 9.66 inches	9.66 x 16.6 inches	421 x 245 mm	245 x 421
C (portrait)	20.7 x 16.6 inches	16.6 x 20.7 inches	524 x 421 mm	421 x 524
C (landscape)	20.6 x 15.7 inches	15.7 x 20.6 inches	549 x 398 mm	398 x 549
D (portrait)	32.7 x 21.6 inches	21.6 x 32.7 inches	829 x 548 mm	548 x 829
D (landscape)	33.6 x 20.7 inches	20.7 x 33.6 inches	854 x 525 mm	525 x 854
E (portrait)	42.7 x 33.6 inches	33.6 x 42.7 inches	1084 x 854 mm	854 x 108 mm

### Architectural media

This table is calculated with normal margins. Plotting area equals medium size minus margins.

<b>Plotting area (width x height) by orientation of drawing</b>				
<b>Media size (and orientation)</b>	<b>Landscape</b>	<b>Portrait</b>	<b>Landscape</b>	<b>Portrait</b>
A (portrait)	10.7 x 8.60 inches	8.6 x 10.7 inches	271 x 219 mm	219 x 271 mm
A (landscape)	11.6 x 7.66 inches	7.66 x 11.6 inches	295 x 195 mm	195 x 295 mm
B (portrait)	16.7 x 11.6 inches	11.6 x 16.7 inches	423 x 295 mm	295 x 423 mm
B (landscape)	17.6 x 10.7 inches	10.7 x 17.6 inches	447 x 271 mm	271 x 447 mm
C (portrait)	22.7 x 17.6 inches	17.6 x 22.7 inches	576 x 447 mm	447 x 576 mm
C (landscape)	23.6 x 16.7 inches	16.7 x 23.6 inches	600 x 423 mm	423 x 600 mm
D (portrait)	34.7 x 23.6 inches	23.6 x 34.7 inches	880 x 600 mm	600 x 880 mm
D (landscape)	35.6 x 22.7 inches	22.7 x 35.6 inches	904 x 576 mm	576 x 904 mm
E1 (portrait)	40.7 x 29.6 inches	29.6 x 40.7 inches	1033 x 752 mm	752 x 1033 mm
E (portrait)	46.7 x 35.6 inches	35.6 x 46.7 inches	1185 x 904 mm	904 x 1185 mm

## ISO Media

This table is calculated with normal margins. Plotting area equals medium size minus margins.

<b>Plotting area (width x height) by orientation of drawing</b>				
<b>Media size (and orientation)</b>	<b>Landscape</b>	<b>Portrait</b>	<b>Landscape</b>	<b>Portrait</b>
A4 (portrait)	10.3 x 7.87 inches	7.87 x 10.3 inches	263 x 200 mm	200 x 263 mm

A4 (landscape)	11.3 x 6.93 inches	6.93 x 11.3 inches	287 x 176 mm	176 x 287 mm
A3 (portrait)	15.2 x 11.3 inches	11.3 x 15.2 inches	386 x 287 mm	287 x 386 mm
A3 (landscape)	16.1 x 10.3 inches	10.3 x 16.1 inches	410 x 263 mm	263 x 410 mm
A2 (portrait)	22.0 x 16.1 inches	16.1 x 22.0 inches	560 x 410 mm	410 x 560 mm
A2 (landscape)	23.0 x 15.2 inches	15.2 x 23.0 inches	584 x 386 mm	386 x 584 mm
A1 (portrait)	31.8 x 23.0 inches	23.0 x 31.8 inches	807 x 584 mm	584 x 807 mm
A1 (landscape)	32.7 x 22.0 inches	22.0 x 32.7 inches	831 x 560 mm	560 x 831 mm
A0 (portrait)	45.5 x 32.7 inches	32.7 x 45.5 inches	1155 x 831 mm	831 x 1155 mm

## Margins

	Normal	Smaller (roll media only)
Leading edge:	17 mm (0.67 inch)	10 mm (0.39 inch)
Trailing edge:	17 mm (0.67 inch)	10 mm (0.39 inch)
Sides:	5 mm (0.2 inch)	5 mm (0.2 inch)
All measurements _2 mm (0.08 inch).		

## Ink information

Although other cartridges may appear to fit in the stalls, use only these part numbers:

Yellow	51644Y
Cyan	51644C
Magenta	51644M
Black	51645A

## Memory information

The HP DesignJet 750C Plus printer comes with 8 megabytes (MB) of usable memory for printing and 3 MB of memory for printer settings/functions (Not Printing), for a

total of 11 MB of standard on-board memory. The memory can be expanded by adding memory expansion modules to the two RAM expansion slots on the printer. Each slot can hold single in-line memory modules (SIMM) in any combination of either 4 MB, 8 MB, 16 MB, or 32 MB.

The maximum standard memory for this printer is:

$$11 + 32 + 32 = 75 \text{ MB}$$

## Performance information

### Accuracy

(Maximum accumulated error)

\_0.38 mm (0.015 inch) or \_0.2% of the specified vector length, whichever is greater, at 23 degrees C (73 degrees F), 50-60% relative humidity, on HP Matte Film.

### Programming languages supported

HP-GL (7586B), HP-GL/2, HP RTL, PJI, PostScript (optional)

## Reliability (MTBF, usage rate)

### Replaceable print cartridge(s)

Replaceable print cartridge(s) have been used in the printer, greatly reducing its maintenance requirements, as these are the components that experience the greatest wear and tear.

Under normal use, the black cartridge will probably more often need replacing than the color cartridges.

### Printer cleaning

Cleaning is limited to the outside of the machine. Use a damp sponge or a soft cloth and household cleaner.

**WARNING: To avoid an electric shock, verify that that the printer is s and unplugged before cleaning it. Do not let water get insi printer.**

**CAUTION:Do not use abrasive cleaners on the printer.**

Any maintenance or repairs beyond this should be done by a qualified service technician.

## "Normal" printer use

"Normal" printer use means less than

- 20 pages per day (if medium-density E/A0 CAD plots), or
- 12 pages per day (if medium-density E/A0 image prints).

If the drawings are smaller than E/A0, the number of pages per day can be higher.

If the printer is used less than this, it is unlikely it will need servicing. If using the printer more than this, it is possible that, after a time, it will need to be serviced. The printer itself keeps an internal count of total pages printed and total passes of the cartridge carriage. If the front panel periodically displays Status: Maintenance Advised, this means that the use of the printer has exceeded one of the following warranty limits:

- either 20,000 pages printed
- or 4,500,000 passes of the cartridge carriage.

Contact the local HP dealer or HP service engineer to arrange to have the printer serviced. After servicing, the message will disappear. If selecting not to have the printer serviced, the printer may continue to be used as normal, but it may encounter a number of operational or print-quality problems.

It is possible to check the current count of pages printed and passes of cartridge carriage by printing the Service Configuration Plot.

### To print the service configuration plot

1. Verify that media are loaded.
2. In the Full Menu mode, select the Utilities menu.
3. Select the Service Config option and press Enter.

## Failure rate

[1] Mean Time Between Failures (MTBF) = (usage hrs/yr)/(AFR) considering a usage of 15 plots per day

Target overall annualized failure rate (AFR):	25%
Target AFR during the first year	30%
Target Mean Time Between Failures (MTBF)	5400 hours
Target MTBF[1] during the first year	4500 hours

Target Mean Time to Repair On-Site (MTTR)
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1 hour
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## Physical specifications (size, weight)

	Weight (packed)	Length (unpacked)	Depth (unpacked)	Height (unpacked)
With stand	60 kg	1370 mm	675 mm	1200 mm
E/A0-size	(132 lb)	(54.0 inches)	(26.6 inches)	(47.3 inches)
printer	49 kg	1072 mm	675 mm	1200 mm
D/A1-size	(108 lb)	(42.2 inches)	(26.6 inches)	(47.3 inches)
printer				
Without	42 kg			
stand	(93 lb)			
E/A0-size	32 kg			
printer	(71 lb)			
D/A1-size				
printer				

## Electrical specifications

Source	100-240V ac _10%. Autoranging.
Frequency	50-60 Hz
Consumption	140 W max. (2.0 A max.)
Energy Star rating (USA)	Maximum power in idle state: 45 watts

## Environmental specifications

Operational	Mechanical and electrical:	0 to 55 degrees C (32 to 131 degrees F) at 5-95% relative humidity
	With cartridges and media:	15 to 35 degrees C (59 to 95 degrees F) at 20-80% relative humidity
	For optimal print quality and media	15 to 30 degrees C (59 to 86

	handling:	degrees F) at 20-80% relative humidity
Storage	Printer and media:	-40 to 70 degrees C (-40 to 158 degrees F) at 20-80% relative humidity
	Cartridges:	-40 to 60 degrees C (-40 to 140 degrees F) at 20-90% relative humidity

## Acoustic specifications

Operating sound pressure	42 dB(A)	(From a one-meter bystander position and with Print Quality set to Best.)
Idle sound pressure		

## Duty cycle

Recommended maximum number of plots per day	Medium density E/A0 CAD plots:	20
	Medium density E/A0 image plots:	12

## EMC (electromagnetic compatibility) specifications

Canada	Canadian Department of Communications, Radio Interference Regulations Class B compliant
European Union	89/336/EEC EMC Directive compliant Meets EN 55022 Class B emission limits, prEN 55024-2 ESD, prEN55024-3 Radiated Immunity, prEN 55024-4 Fast Transients
Japan	Registered VCCI Class 2
Korea	RRL certified
South Africa	SABS licensed
USA	Federal Communications Commission certified Class B computing device

## General warranty statement

One (1) year on-site hardware warranty, extendible to 3 years with HP SupportPack.

## Safety certifications

- Information Technology Equipment (ITE)
- Movable
- Class I
- Pluggable Type A
- Installation Category II
- Pollution Degree 2
- For indoor controlled office environments use

Canada	Canadian Standards Association "Certified" ITE, CSA C22.2 No.950
European Union	73/23/EEC Low Voltage Directive compliant. Meets EN 60950
Mexico	DGN, NOM019-SCFI-1993 certified
Norway	NEMKO approved, EN 60950, EMKO TSE(74)DK207/94
USA	Underwriters' Laboratories "Listed" ITE, UL 1950

## Regulatory notices

### To obtain a material safety data sheet (MSDS)

It is possible to obtain current Material Safety Data Sheets for the print cartridges, via the HP Web site ( [www.hp.com](http://www.hp.com) ) HP Part numbers as follows:

Yellow	51644Y
Cyan	51644C
Magenta	51644M

## Electromagnetic compatibility (EMC)

The U.S. Federal Communications Commission (in 47 cfr 15.105) has specified that the following notice be brought to the attention of those using this product.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, they are encouraged to try to correct the interference's by one or more of the following measures:

- Reorient the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Those using this product may find useful the following booklet prepared by the FCC: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

**CAUTION:** Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by Company may cause harmful interference and void the FC authorization to operate this equipment.

## DOC statement (Canada)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

## Telecommunications statement

The HP DesignJet 750C Plus printers, models C4708A and C4709A are approved under Approval Number NS/G/1234/5/100003 for indirect connection to public telecommunication systems within the United Kingdom.

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