



hp designjet 5000/5000ps
large-format printers



Production speed delivering
ultimate photo quality.

The HP DesignJet 5000/5000PS printers deliver a combination of production speed and ultimate photo quality unmatched by any other printer in their class.¹ Up to five times faster than the HP DesignJet CP Series printers!

hp designjet 5000ps

Fully loaded, with an Adobe PostScript 3 RIP designed for print-service providers, quick-printers and graphics professionals. The RIP processes while the printer is printing and delivers excellent productivity, colour management and output predictability.

hp designjet 5000

Open system, connectable to external RIPs: those, for example, that you are already using with other large-format printers or colour laser copiers, or specialised RIPs that focus on a particular application such as pre-press proofing.

Two sizes:

Both printers come in two sizes, with a media path that is either 152 cm or 107 cm wide.

Unprecedented speed with ultimate photo quality

- With a production speed of 52.86 m²/hr², the printers are up to five times faster than the HP DesignJet CP Series printers!
- High printing speeds are the result of HP's JetExpress technology with a revolutionary 25 mm wide printhead.
- Ultimate photo quality with continuous tones, smooth transitions and a wide colour gamut is achieved using HP colour layering technology, six ink colours (CMYKcm) and 1200 dpi resolution.³

Increased productivity

- Remote control via HP DesignJet WebAccess through your internet browser: job previewing, queue management, display of ink and media consumption levels, and accounting information.
- Very fast data transmission using a powerful HP JetDirect 610N 10/100Base-TX print server.

Low cost of operation

- Incredibly low cost of supplies
- High unattendedness with 680 cc ink cartridges, printheads that last for two to three cartridges, media rolls of up to 91.4 m in length, and a take-up reel (optional on the 107 cm models).
- New media saving features: length tracking plus downloadable profiles from HP's web site to ensure best results when using new media.

Consistent and accurate colours

- Consistent colours are produced from one print to the next and from one printer to another using automatic closed-loop-colour calibration.
- The HP DesignJet 5000PS incorporates Automatic PANTONE[®] Calibration, offset-printing press emulations (EuroScale, SWOP, DIC and TOYO), and ICC profiles for Macintosh and Windows.
- The HP DesignJet 5000PS also emulates other HP DesignJet printers (HP DesignJet 1055CM, 2500CP and 3500CP).
- The HP DesignJet 5000 accurately reproduces both CMYK-defined and RGB-defined colours. Advanced features can be added via an external RIP.

Great ink and media flexibility

- Modular ink system with a choice of two ink sets: dye-based, and pigment-based UV inks.⁴
- Image durability of 24 months outdoors⁵ and five years indoors using HP's UV inks and the 3M[™] Matched Component System[™].
- A wide choice of HP media types is available, including three new types: HP Photo Imaging Gloss, HP Photo Imaging Satin and HP Satin Poster Paper.

Great RIP support

- Embedded Adobe[®] PostScript[®] 3[™] RIP in the HP DesignJet 5000PS ensuring extremely fast processing from the Macintosh[®] and Windows[®] drivers included.
- The printers can also be driven by the most common external RIPs on the market. For more information refer to the HP web site at www.hp.com/go/designjet and select "Solutions".
- Embedded HP-GL/2 processor with drivers for AutoCAD[®] and Windows.

HP Warranty

- One year warranty with free, on-site, next business-day service. HP SupportPacks and Service Agreements allow you to extend your warranty to up to 5 years, and can provide around-the-clock service with a response time of within 4 hours, every day of the year (depending on the country).

¹ SpencerLab report, August 2000. See www.spencerlab.com

² On the 152 cm model on coated paper.

³ 1200 dpi x 600 dpi on glossy media.

⁴ Available from spring 2001.

⁵ In regions with extreme solar energy, the outdoor warranty period is 18 months.

Technical Specifications

Print technology	• HP Colour Thermal Inkjet		
Print speeds⁶ on coated paper	Max speed	Productivity	Max quality
152 cm models:	• 52.86 m ² /hr	• 9.29 m ² /hr	• 7.06 m ² /hr
107 cm models:	• 46.36 m ² /hr	• 8.27 m ² /hr	• 6.32 m ² /hr
Maximum resolution	• 1200 dpi x 600 dpi on glossy media		
Media types	• Coated, glossy, back-lit, opaque vinyl, canvas, poster paper and more		
Media handling	• Roll feed, sheet feed, automatic cutter • Take-up reel (optional on the 107 cm models)		
Media sizes	Sheet	Roll	
152 cm models:	• width: 21 to 91 cm • length: 55.9 to 160 cm	• width: 61, 91, 107, 137 and 152 cm • length: up to 91.4 m	
107 cm models:	• width: 21 to 91 cm • length: 55.9 to 160 cm	• width: 61, 91 and 107 cm • length: up to 91.4 m	
Minimum line width	• 0.08 mm		
Accuracy	• ± 0.2% of the specified page length		
Margins	Normal (default setting)	Extended	
Lateral and trailing edge:	• 7 mm	• 15 mm	
Leading edge:	• 35 mm	• 35 mm	
Memory	Standard	Maximum	
5000PS (152 cm model):	• 192 MB RAM; 20 GB hard disk	• 256 MB RAM; 20 GB hard disk	
5000PS (107 cm model):	• 128 MB RAM; 20 GB hard disk	• 256 MB RAM; 20 GB hard disk	
5000:	• 128 MB RAM; 5 GB hard disk	• 256 MB RAM; 5 GB hard disk	
Standard languages	• Adobe PostScript 3, HP-GL/2, HP RTL (TIFF and JPEG files from UNIX®, Linux® and Windows NT® via ZEH Raster Plus)		
5000PS:	• HP-GL/2, HP RTL (TIFF and JPEG files from UNIX®, Linux® and Windows NT® via ZEH Raster Plus)		
Drivers	• Windows (95, 98, NT 4.0, 2000) • Mac OS (8.1, 8.5, 8.6, 9.x) • Windows (95, 98, NT 4.0, 2000)		
PostScript (5000PS):	• AutoCAD 2000 and Releases 13,14 for Windows		
Windows applications:	• TIFF and JPEG files are accepted via ZEH Raster Plus software, supplied with the printer		
AutoCAD:			
UNIX®:			
Interfaces	• Centronics parallel port, IEEE-1284-compliant. HP JetDirect 610N 10/100Base-TX Print Server, supporting TCP/IP (including LPR and IPP), AppleTalk®, DLC/LLC and IPX/SPX protocols		
Auto interface switching	• Yes		
Warranty	• One year warranty with free, on-site, next business-day service. HP SupportPacks and Service Agreements allow you to extend your warranty to up to 5 years, and can provide around-the-clock service with a response time of within 4 hours, every day of the year (depending on the country). The printer advises you whenever preventive maintenance is recommended so as to minimize downtime. Annual maintenance can also be scheduled.		
Dimensions	152 cm models	107 cm models	
Width x Depth x Height	• 2433 x 675 x 1280 mm	• 1975 x 675 x 1280 mm	
Weight	152 cm models	107 cm models	
	• 120 kg	• 100 kg	
Environmental ranges	Operating temperature	Storage temperature	Relative humidity
	• 15°C to 35°C	• -20°C to 55°C	• 20% to 80% RH
Power	Requirements	Consumption	
	• 100-240 V AC ±10% auto-ranging; 50-60 Hz, 4 amps max.	• 52 watt maximum in standby mode • 60 watts maximum when idle • 350 watts maximum consumption	
Acoustic emissions⁷	• Pressure; Printing: 55 dB (A), • Idle: < 35 dB	• Power; Printing: 70 dB (A) • Idle: < 48 dB	
Regulatory compliance Information / Safety	• Compliant with the requirements for ITE products: EU: Low Voltage Directive; USA & Canada: CSA Certified for US & Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB & CCEE; Singapore: PSB; Russia: GOST; Poland: PCBC.		
Electromagnetic compatibility	• Compliant with the requirements for Class B ITE products (Class A when connected to LAN cables): EU EMC Directive, USA FCC rules, Canada DOC, Australia ACA, New Zealand MoC, China CCIB, Japan VCCI. Class A for Korea MIC, Taiwan BSMI.		
Environmental compliance	• USA EPA ENERGY STAR compliant		

Ordering Information – HP part numbers

Standard unit	152 cm	107 cm
• HP DesignJet 5000PS	C6096A	C6091A
• HP DesignJet 5000	C6095A	C6090A
Box contents	5000PS	5000
	152 cm 107 cm	152 cm 107 cm
• HP DesignJet printer	•	•
• Printer Stand	•	•
• Take-Up Reel	•	•
• Media Bin	•	•
• 2 Spindles	•	•
• Power Cord	•	•
• Ink Cartridges	•	•
• Printheads	•	•
• 2 Rolls of Media	•	•
• PostScript Driver	•	•
• AutoCAD Driver	•	•
• Windows Driver	•	•
• Macro-Installer CD	•	•
• ZEH Raster Plus	•	•
• User Documentation	•	•
• User maintenance kit	•	•

Interface Cables must be ordered separately

Accessories

- Memory DIMM; 64 MB: C2381A; 128 MB: C2382A
- HP Spindle; 152 cm: C2386A; 107 cm: C2385A
- HP Take-Up Reel; 107 cm: C6087B
- HP-UV Upgrade Kit⁴; 152 cm: C2379A; 107 cm: C2377A (includes printhead storage container)
- Printhead Storage Container⁴: C2383A

Supplies	Ink Cartridge	Printhead Cleaner	Value Pack
• HP no.81 Ink supplies			
Black	C4930A	C4950A	C4990A
Cyan	C4931A	C4951A	C4991A
Magenta	C4932A	C4952A	C4992A
Yellow	C4933A	C4953A	C4993A
Light Cyan	C4934A	C4954A	C4994A
Light Magenta	C4935A	C4955A	C4995A
• HP no.83 UV ink supplies ⁴			
Black	C4940A	C4960A	C5000A
Cyan	C4941A	C4961A	C5001A
Magenta	C4942A	C4962A	C5002A
Yellow	C4943A	C4963A	C5003A
Light Cyan	C4944A	C4964A	C5004A
Light Magenta	C4945A	C4965A	C5005A

HP Printing Material

For a complete list of printing material and selection numbers, please refer to the HP web-site at www.hp.com/go/designjet and select "Printing Materials".



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