



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.<sup>1</sup> 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 m<sup>2</sup>/hr<sup>2</sup>, 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.<sup>3</sup>

#### 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.<sup>4</sup>
- Image durability of 24 months outdoors<sup>5</sup> 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](http://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).

<sup>1</sup> SpencerLab report, August 2000. See [www.spencerlab.com](http://www.spencerlab.com)

<sup>2</sup> On the 152 cm model on coated paper.

<sup>3</sup> 1200 dpi x 600 dpi on glossy media.

<sup>4</sup> Available from spring 2001.

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

## Technical Specifications

<b>Print technology</b>	• HP Colour Thermal Inkjet		
<b>Print speeds<sup>6</sup> on coated paper</b>	Max speed	Productivity	Max quality
152 cm models:	• 52.86 m <sup>2</sup> /hr	• 9.29 m <sup>2</sup> /hr	• 7.06 m <sup>2</sup> /hr
107 cm models:	• 46.36 m <sup>2</sup> /hr	• 8.27 m <sup>2</sup> /hr	• 6.32 m <sup>2</sup> /hr
<b>Maximum resolution</b>	• 1200 dpi x 600 dpi on glossy media		
<b>Media types</b>	• Coated, glossy, back-lit, opaque vinyl, canvas, poster paper and more		
<b>Media handling</b>	• Roll feed, sheet feed, automatic cutter • Take-up reel (optional on the 107 cm models)		
<b>Media sizes</b>	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	
<b>Minimum line width</b>	• 0.08 mm		
<b>Accuracy</b>	• ± 0.2% of the specified page length		
<b>Margins</b>	Normal (default setting)	Extended	
Lateral and trailing edge:	• 7 mm	• 15 mm	
Leading edge:	• 35 mm	• 35 mm	
<b>Memory</b>	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	
<b>Standard languages</b>	• 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)		
<b>Drivers</b>	• Windows (95, 98, NT 4.0, 2000) • Mac OS (8.1, 8.5, 8.6, 9.x)		
PostScript (5000PS):	• Windows (95, 98, NT 4.0, 2000)		
Windows applications:	• AutoCAD 2000 and Releases 13,14 for Windows		
AutoCAD:	• TIFF and JPEG files are accepted via ZEH Raster Plus software, supplied with the printer		
UNIX®:			
<b>Interfaces</b>	• 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		
<b>Auto interface switching</b>	• Yes		
<b>Warranty</b>	• 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.		
<b>Dimensions</b>	152 cm models	107 cm models	
Width x Depth x Height	• 2433 x 675 x 1280 mm	• 1975 x 675 x 1280 mm	
<b>Weight</b>	152 cm models	107 cm models	
	• 120 kg	• 100 kg	
<b>Environmental ranges</b>	Operating temperature	Storage temperature	Relative humidity
	• 15°C to 35°C	• -20°C to 55°C	• 20% to 80% RH
<b>Power</b>	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	
<b>Acoustic emissions<sup>7</sup></b>	• Pressure; Printing: 55 dB (A), • Idle: < 35 dB	• Power; Printing: 70 dB (A) • Idle: < 48 dB	
<b>Regulatory compliance Information / Safety</b>	• 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.		
<b>Electromagnetic compatibility</b>	• 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.		
<b>Environmental compliance</b>	• USA EPA ENERGY STAR compliant		

## Ordering Information – HP part numbers

<b>Standard unit</b>	152 cm	107 cm
• HP DesignJet 5000PS	C6096A	C6091A
• HP DesignJet 5000	C6095A	C6090A
<b>Box contents</b>	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 Kit<sup>4</sup>; 152 cm: C2379A; 107 cm: C2377A (includes printhead storage container)
- Printhead Storage Container<sup>4</sup>: 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 <sup>4</sup>			
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](http://www.hp.com/go/designjet) and select "Printing Materials".



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