

HP Designjet 90 Printer series



Let your creativity flourish with the six-colour, A2+ size HP Designjet 90. HP Professional Color Technologies deliver consistent colour output while HP Vivera Inks and select HP Photo Paper provide exceptional fade resistance¹.



HP Designjet 90 Printer



HP Designjet 90r Printer



HP Designjet 90gp Printer

The A2+ size HP Designjet 90 is ideal for graphic designers, professional photographers and pre-press print providers who require sophisticated printing capabilities, flexible media handling and advanced colour technologies to produce exceptionally fade-resistant photo-quality images.

Enjoy consistent colour output and fade-resistant¹ images for more effective and creative results.

- Enjoy rich colour depth and minimal dot visibility with 2400 dpi, 4pl drop-size and dye-based HP Vivera Inks for an optimal balance of colour, fade resistance¹ and reliability.
- Get colour consistency with Automatic Closed Loop Color calibration and a built-in colour sensor which works with HP printheads and HP Vivera Inks.
- Achieve exceptional colour fidelity with the HP colorimeter with display profiling and calibration software plus ICC profiles, powered by GretagMacbeth[™] technology².

Enhance your creativity with this printer's high performance and ease-of-use features.

- No need to cut and paste, just print the size you need. The standard tray holds up to 100 sheets of A2+ size media. The front bypass slot takes cut-sheet media up to 458 mm wide.
- Feed heavy, rigid HP media of weights up to 300 g/m² via the rear bypass slot. Use the roll feed³ to print on media up to 458 mm wide and 45.7m long.
- Optimised Macintosh and Windows[®] drivers with RGB ICC profiles ensure the level of colour fidelity.

Meet both your creative and business needs while saving time and money with this efficient printer.

- Print high-quality images quickly at up to 4 mpp for A3+ sizes in Normal print mode. Cost-effective, individually replaceable HP ink cartridges and printheads maximise efficiency and provide reliable operation that cuts down user intervention and improves productivity.
- 3-Ink Multipacks provide additional savings and convenience for high-volume printing.
- Add an optional EFI Designer Edition software RIP⁴ to expand your printing options and enhance colour accuracy.

¹ Wilhelm Imaging Research, Inc. concluded that prints made with HP 85 Ink Cartridges and HP Premium Plus Photo Papers may be displayed indoors under glass for 82 years before noticeable fading and staining occur (see www.wilhelm-research.com for details).

² Only available with HP Designjet 90gp model which comes with roll-feed and HP colorimeter with display profiling and calibration software plus ICC profiles, powered by GretagMacbeth[™] technology

³ Roll-feed is standard on the HP Designjet 90r and HP Designjet 90gp model, optional (not included, sold separately) on the HP Designjet 90 model.

⁴ The EFI Designer Edition software RIP is optional (not included, sold separately). Some colour technologies are also optional, as they require the EFI software RIP.

Technical specifications

Print technology	HP Thermal Inkjet
Print head nozzles	304
Technology resolution	HP Color Layering technology, Photoret IV
Number of inks	6 (cyan, magenta, yellow, black, light cyan, light magenta)
Ink type	HP Vivera dye-based inks
Ink drop-size	4pl
Lightfastness	82 years Wilhelm Imaging Research, Inc. concluded that prints made with HP 85 Ink Cartridges and HP Premium Plus Photo Papers may be displayed indoors under glass for 82 years before noticeable fading and staining occur (see www.wilhelm-research.com for details).
Print speed	Colour Image (ISO N5) Normal Mode A3 Glossy Paper: 4 min / page The printed area dimensions (margins not included) for file N5 are 279.9 x 350 mm. Colour Image (ISO N5) Normal Mode A2 Glossy Paper: 6.3 min / page The printed area dimensions (margins not included) for file N5 are 368 x 460 mm.
Print quality	2400 x 1200 dpi
Line accuracy	± 0.2%
Minimum line width	0.04 mm
Memory	64 MB
Media types	Paper (plain, inkjet, coated, heavyweight coated, semi-gloss, glossy, proofing, photo, brochure/flyer), transparencies
Media sizes	A2, A3, A4, B3, B4, A/B/C (English architectural), envelopes, banners Custom: 76 x 142 to 458 x 1625 mm
Print margins	Roll: 5 mm on all sides; Sheet: top: 5 mm, bottom: 12 mm, left: 5 mm, right: 5 mm
Maximum media length	Roll: HP Designjet 90 Printer: 45.7 m with optional roll-feed; HP Designjet 90r/gp Printer: 45.7 m Sheet: 1625 mm
Maximum media width	458 mm
Maximum print length	15.24 m (application dependent)
Maximum print area	448 x 1608 mm
Media handling	Sheetfed (input tray, manual single-sheet feed, rear path), roll-feed with automatic cutter (optional on HP Designjet 90 Printer)
Media thickness	Up to 0.4 mm through Rear Path
Media weight	Up to 300 g/m² through Rear Path
Interface and connectivity	Standard: USB 1.1 (USB 2.0 compliant), Centronics parallel IEEE-1284 (ECP compliant), 1 EIO slot Optional: HP Jetdirect 620n, 615n, 680n, 610n, 600n, 175x, 310x, 380x, en3700 Drivers included: Raster driver for Mac OS 9.x, 10.2, 10.3; PCL 3-GUI Windows® driver; Microsoft® Windows drivers 95, 98, Me, NT 4.0, 2000, XP including support for AutoCAD 2000, USB, and ECP drivers
Control panel	2 LEDs for status: Power, Attention; 3 keys: Power, Cancel, OK; display area containing information icons
Operating systems compatibility	Microsoft® Windows® 98 SE, Me, 2000, XP; Mac OS 9.x, 10.2, 10.3
Minimum system requirements	Microsoft® Windows® 98: Pentium® I, 133 MHz, 128 MB RAM, 300 MB available hard disk space; Microsoft Windows 2000, Server 2003: Pentium II, 300 MHz, 128 MB RAM, 400 MB available hard disk space; Microsoft Windows XP: Pentium III, 733 MHz, 256 MB RAM, 400 MB available hard disk space iMac G3, Mac OS 9 v 9.1, Mac OS 10 v 10.2, 256 MB RAM, 100 MB available hard disk space
Recommended system requirements	Microsoft® Windows® 95, Me: Pentium® II, 300 MHz, 128 MB RAM, 1 GB available hard disk space; Microsoft Windows 2000: Pentium III, 733 MHz, 256 MB RAM, 2 GB available hard disk space; Microsoft Windows XP: Pentium IV, 1 GHz, 256 MB RAM, 2 GB available hard drive Mac OS 9 v 9.2, Mac OS 10 v 10.2 and higher, 10.3, G3 dual processor, 512 MB RAM, 1 GB available hard disk space
Printer languages	PCL 3-GUI RGB 24-bit Contone Optional: Adobe® PostScript® 3™ via optional EFI Designer Edition software RIP
Drivers included	Raster driver for Mac OS 9.x, 10.2, 10.3; PCL 3-GUI Windows® driver; Microsoft® Windows drivers 95, 98, Me, NT 4.0, 2000, XP including support for AutoCAD 2000, USB, and ECP drivers
Software included	HP Designjet Windows® software, HP Designjet Macintosh software
Power	Requirements: Input voltage 100 to 240 VAC (± 10%) auto range, 50/60 Hz (± 3 Hz), 2 amp maximum Supply type: Built-in universal power supply Consumption: 65 watts maximum
Dimensions (w x d x h)	Out of package: HP Designjet 90 Printer: 890 x 415 x 220 mm, HP Designjet 90r/gp Printer: 890 x 520 x 220 mm
Weight	Out of package: HP Designjet 90 Printer: 18.5 kg; HP Designjet 90r/gp Printer: 19.5 kg
Operating environment	Environmental ranges: operating temperature: 5 to 40° C; recommended operating temperature: 15 to 35° C; operating humidity: 20% to 80% RH; recommended operating humidity: 25% to 75% RH; storage temperature: -25 to 55° C; storage humidity: 0% to 95% RH
Certifications	Compliance for Class B products, Class A when connected to LANs: EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI); Class A: Korea (MIC), Taiwan (BSMI) IEC 950-compliant, EU LVD and EN60950 compliant, CSA certified for US and Canada, Mexico NOM-1-NYCE, Argentina IRAM, China CCC, Singapore PSB, Russia VNIIS, Korea KTL. Energy star®
Warranty	One-year next-business-day exchange

Ordering information

Q6656A	HP Designjet 90 Printer, power cord, USB cable, printheads (6), print cartridges (6), input/output tray, input tray cover, driver & documentation CD, setup Poster, quick reference guide, media samples, customer service guide
Q6656B	HP Designjet 90r Printer, as Q6656A plus roll feed and spindle assembly
Q6656C	HP Designjet 90gp Printer, as Q6656B plus HP colorimeter with display profiling and calibration software plus ICC profiles, powered by GretagMacbeth® technology
Accessories	
Q6662A	HP Designjet 90 Roll Feed accessory
Q6661A	HP Designjet 90 Spindle accessory
Q6641C	EFI Designer Edition 4.2 for HP M International
Q6643C	EFI Designer Edition 4.2 for HP XL International
Media supplies	
Q1961A	HP Coated Paper 90 g/m² – A2+/100 sheet (458mm x 610mm)
Q5492A	HP Photo Matte 196 g/m² – A3+/50 sheet (330mm x 483mm)
Q1967A	HP Proofing Matte 146 g/m² – A3+/100 sheet (330mm x 483mm)
Q5486A	HP Premium Plus Photo and Proofing Gloss 286 g/m² – A3+/25 sheet (330mm x 483mm)
Q5487A	HP Premium Plus Photo and Proofing Gloss 286 g/m² – A2+/20 sheet (458mm x 610mm)
Q5489A	HP Premium Plus Photo Satin 286 g/m² – A3+/25 sheet (330mm x 483mm)
Q5490A	HP Premium Plus Photo Satin 286 g/m² – A2+/20 sheet (458mm x 610mm)
C7884A	HP Proofing Semi-gloss 150 g/m² – A3+/50 sheet (330mm x 483mm)
Q7970A	HP Proofing Semi-gloss Contract Proofing Paper 235 g/m² – A3+/50 sheets (330mm x 483mm)
Q7895A	HP Proofing Semi-gloss – 150 g/m² – 18" roll* (458mm x 30.5m)
Q7896A	HP Proofing Matte 146 g/m² – 18" roll* (458mm x 30.5m)
Q7897A	HP Coated Paper 90 g/m² – 18" roll* (458mm x 45.7m)
Q7920A	HP Premium Plus Photo Satin 286 g/m² – 18" roll* (458mm x 15m)
*Roll works only with roll feed, which is optional on the base model and standard on r and gp models	
Ink supplies	
HP 85	Cyan, Magenta, Yellow, Light Cyan, Light Magenta printheads and cartridges
HP 84	Black printheads and cartridges
Multipack	All cartridges also available in 3-ink multipack
Service and support	
U3477A/E	HP Care Pack, next business day on-site response, 3 years
U4662PA/PE	HP Care Pack, post warranty, next business day on-site response, 1 year

http://www.hp.com http://www.hp.com/go/designjet

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