

# 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 resistance<sup>1</sup>.

**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.**



HP Designjet 90 Printer

**Enjoy consistent colour output and fade-resistant<sup>1</sup> 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 resistance<sup>1</sup> 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<sup>™</sup> technology<sup>2</sup>.



HP Designjet 90r Printer

**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/m<sup>2</sup> via the rear bypass slot. Use the roll feed<sup>3</sup> to print on media up to 458 mm wide and 45.7m long.
- Optimised Macintosh and Windows<sup>®</sup> drivers with RGB ICC profiles ensure the level of colour fidelity.



HP Designjet 90gp Printer

**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 RIP<sup>4</sup> to expand your printing options and enhance colour accuracy.

<sup>1</sup> 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](http://www.wilhelm-research.com) for details).

<sup>2</sup> 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<sup>™</sup> technology

<sup>3</sup> 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.

<sup>4</sup> 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

<b>Print technology</b>	HP Thermal Inkjet
<b>Print head nozzles</b>	304
<b>Technology resolution</b>	HP Color Layering technology, Photoret IV
<b>Number of inks</b>	6 (cyan, magenta, yellow, black, light cyan, light magenta)
<b>Ink type</b>	HP Vivera dye-based inks
<b>Ink drop-size</b>	4pl
<b>Lightfastness</b>	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 <a href="http://www.wilhelm-research.com">www.wilhelm-research.com</a> for details).
<b>Print speed</b>	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.
<b>Print quality</b>	2400 x 1200 dpi
<b>Line accuracy</b>	± 0.2%
<b>Minimum line width</b>	0.04 mm
<b>Memory</b>	64 MB
<b>Media types</b>	Paper (plain, inkjet, coated, heavyweight coated, semi-gloss, glossy, proofing, photo, brochure/flyer), transparencies
<b>Media sizes</b>	A2, A3, A4, B3, B4, A/B/C (English architectural), envelopes, banners Custom: 76 x 142 to 458 x 1625 mm
<b>Print margins</b>	Roll: 5 mm on all sides; Sheet: top: 5 mm, bottom: 12 mm, left: 5 mm, right: 5 mm
<b>Maximum media length</b>	Roll: HP Designjet 90 Printer: 45.7 m with optional roll-feed; HP Designjet 90r/gp Printer: 45.7 m Sheet: 1625 mm
<b>Maximum media width</b>	458 mm
<b>Maximum print length</b>	15.24 m (application dependent)
<b>Maximum print area</b>	448 x 1608 mm
<b>Media handling</b>	Sheetfed (input tray, manual single-sheet feed, rear path), roll-feed with automatic cutter (optional on HP Designjet 90 Printer)
<b>Media thickness</b>	Up to 0.4 mm through Rear Path
<b>Media weight</b>	Up to 300 g/m <sup>2</sup> through Rear Path
<b>Interface and connectivity</b>	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
<b>Control panel</b>	2 LEDs for status: Power, Attention; 3 keys: Power, Cancel, OK; display area containing information icons
<b>Operating systems compatibility</b>	Microsoft* Windows* 98 SE, Me, 2000, XP; Mac OS 9.x, 10.2, 10.3
<b>Minimum system requirements</b>	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
<b>Recommended system requirements</b>	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
<b>Printer languages</b>	PCL 3-GUI RGB 24-bit Contone Optional: Adobe* PostScript* 3™ via optional EFI Designer Edition software RIP
<b>Drivers included</b>	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
<b>Software included</b>	HP Designjet Windows* software, HP Designjet Macintosh software
<b>Power</b>	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
<b>Dimensions (w x d x h)</b>	Out of package: HP Designjet 90 Printer: 890 x 415 x 220 mm, HP Designjet 90r/gp Printer: 890 x 520 x 220 mm
<b>Weight</b>	Out of package: HP Designjet 90 Printer: 18.5 kg; HP Designjet 90r/gp Printer: 19.5 kg
<b>Operating environment</b>	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
<b>Certifications</b>	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®
<b>Warranty</b>	One-year next-business-day exchange

## Ordering information

<b>Q6656A</b>	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
<b>Q6656B</b>	HP Designjet 90r Printer, as Q6656A plus roll feed and spindle assembly
<b>Q6656C</b>	HP Designjet 90gp Printer, as Q6656B plus HP colorimeter with display profiling and calibration software plus ICC profiles, powered by GretagMacbeth™ technology
<b>Accessories</b>	
<b>Q6662A</b>	HP Designjet 90 Roll Feed accessory
<b>Q6661A</b>	HP Designjet 90 Spindle accessory
<b>Q6641C</b>	EFI Designer Edition 4.2 for HP M International
<b>Q6643C</b>	EFI Designer Edition 4.2 for HP XL International
<b>Media supplies</b>	
<b>Q1961A</b>	HP Coated Paper 90 g/m <sup>2</sup> – A2+/100 sheet (458mm x 610mm)
<b>Q5492A</b>	HP Photo Matte 196 g/m <sup>2</sup> – A3+/50 sheet (330mm x 483mm)
<b>Q1967A</b>	HP Proofing Matte 146 g/m <sup>2</sup> – A3+/100 sheet (330mm x 483mm)
<b>Q5486A</b>	HP Premium Plus Photo and Proofing Gloss 286 g/m <sup>2</sup> – A2+/25 sheet (330mm x 483mm)
<b>Q5487A</b>	HP Premium Plus Photo and Proofing Gloss 286 g/m <sup>2</sup> – A2+/20 sheet (458mm x 610mm)
<b>Q5489A</b>	HP Premium Plus Photo Satin 286 g/m <sup>2</sup> – A3+/25 sheet (330mm x 483mm)
<b>Q5490A</b>	HP Premium Plus Photo Satin 286 g/m <sup>2</sup> – A2+/20 sheet (458mm x 610mm)
<b>C7884A</b>	HP Proofing Semi-gloss 150 g/m <sup>2</sup> – A3+/50 sheet (330mm x 483mm)
<b>Q7970A</b>	HP Proofing Semi-gloss Contract Proofing Paper 235 g/m <sup>2</sup> – A3+/50 sheets (330mm x 483mm)
<b>Q7895A</b>	HP Proofing Semi-gloss – 150 g/m <sup>2</sup> – 18" roll* (458mm x 30.5m)
<b>Q7896A</b>	HP Proofing Matte 146 g/m <sup>2</sup> – 18" roll* (458mm x 30.5m)
<b>Q7897A</b>	HP Coated Paper 90 g/m <sup>2</sup> – 18" roll* (458mm x 45.7m)
<b>Q7920A</b>	HP Premium Plus Photo Satin 286 g/m <sup>2</sup> – 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	
<b>Ink supplies</b>	
<b>HP 85</b>	Cyan, Magenta, Yellow, Light Cyan, Light Magenta printheads and cartridges
<b>HP 84</b>	Black printheads and cartridges
<b>Multipack</b>	All cartridges also available in 3-ink multipack
<b>Service and support</b>	
<b>U3477A/E</b>	HP Care Pack, next business day on-site response, 3 years
<b>U4662PA/PE</b>	HP Care Pack, post warranty, next business day on-site response, 1 year

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

For more information, please call your local HP sales office or representative: **Albania:** +49 89 9396 1803; **Algeria:** +213 (0) 61 68 23 00; **Austria:** +43 (0) 810 00 60 80; **Bahrain:** 800 171; **Belgium:** +32 (02) 729 71 11; **Bulgaria:** +359 2 960 19 40; **Bosnia-Herzegovina:** +49 89 9396 1803; **Commonwealth of Independent States (CIS):** +(095) 923 50 01; **Croatia:** +385 1 606 02 00; **Czech Republic:** +420 261 108 108; **Denmark:** +45 48 12 10 00; **HP East Africa, Authorized Consultant:** +254 20 27 16 111; **Egypt:** HP +202 792 5070; **Estonia:** +372 6 813 820; **Finland:** HP Myyntipalvelu 010 217 2700; **France:** +33 (0) 826 800 400; **Germany:** +49 (0) 180 532 62 22; **Greece:** +30 801 11 22 55 47; **Hungary:** +36 (1) 382 11 11; **Iceland:** +354 (1) 67 10 00; **Ireland:** +353 1 615 82 00; **Israel:** +972 9 830 48 48; **Italy:** Prodotti +39 02 92607 330, Servizio HP Care Pack: +39 02 9212 2040; **Kazakhstan & Kyrgyzstan:** +7 327 2 58 43 43; **Latvia:** +371 703 07 00; **Lithuania:** +370 5 2103 300; **Luxembourg:** (+352) 263 160 34; **Macedonia:** +49 89 9396 1803; **Malta:** +49 89 9396 1803; **Middle East (Within UAE Toll Free):** 800 45 20; **Moldova:** +49 89 9396 1803; **Morocco (African Region):** Call Centre +212 22 40 47 47, HP Sale Office +212 22 97 37 37/+212 22 43 64 00; **Netherlands:** 0800 266 7272; **Nigeria:** +234 13 205 241/3; **Norway:** +47 24 09 70 00; **Poland:** 0 801 522 622 and/or 00 48 565 77 00 (calls are charged at national rates); **Portugal:** +351 808 200 808 (end user welcome desk for commercial products); **Romania:** +40 (21) 303 83 00; **Saudi Arabia:** (Toll free) 800 897 14 33, Office Number: +96612731200; **Serbia and Montenegro:** +381 11 201 99 00; **Slovakia:** 0800 147 147; **Slovenia:** +386 1 230 74 20; **Spain:** +34 (91) 631 16 00; **Sweden:** +46 200 27 00 00; **Switzerland:** Pre-sales/product information +41 (0) 848 88 44 66, Spare parts, manuals +41 (0) 848 84 74 64; **Tunisia:** +216 1 89 12 22; **Turkey:** +90 (216) 579 79 00; **UAE (Toll Free):** 800 45 20 or 800 49 10; **Ukraine:** +380 44 490 61 20; **United Kingdom:** HP Teleweb Glasgow +44 (0) 845 270 40 00



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