

HP DeskJet 890C *Professional Series* Printer

Technical Data



Add vibrant, natural-looking color to all your business documents—faster than ever—with the HP DeskJet 890C *Professional Series* printer. Make a colorful impact with everything you print: proposals, presentations, correspondence, reports, spreadsheets, and more. Your documents will look better and print faster with the printer designed expressly for today's business environment.

More shades of color

The HP DeskJet 890C *Professional Series* printer, with HP PhotoREt II (Photo Resolution Enhancement technology), delivers the smallest ink drops in the inkjet printing industry as compared to other desktop inkjet printers. The result? More shades of color for brilliant photo-quality images on any paper—plain or special. And with HP's patented inks, you get sharp professional-quality black text.

The speed you need

HP PhotoREt II advances color print quality without compromising speed. You'll spend less time waiting for the printer, and more time managing your business with the fast HP DeskJet 890C *Professional Series* printer. It prints up to 9 pages per minute in black and 5 pages per minute in color to keep any office on the fast track.

Built for business

The HP DeskJet 890C *Professional Series* printer is a versatile, durable printer. With a 3,000 pages-per-month duty cycle, it easily accommodates every job, large or small. For your office network, use the HP JetDirect external print server (purchased separately). HP JetDirect hooks directly to your HP DeskJet 890C *Professional Series* printer for optimized performance and reliability in your shared-printer office. Plus, it works with all popular operating systems, including Microsoft® Windows® NT 4.0.

Brilliant photo-quality color for every business need!

Smallest ink drops for more shades of color with HP PhotoREt II*

- Smaller ink drops deliver less visible dots on any paper
- More shades of color for clear, vibrant, natural-looking results
- Sharp, professional-quality black and color with HP's patented inks
- Superior results on all office paper—outstanding results on special papers too

HP's fastest inkjet

- 9 pages per minute in black
- 5 pages per minute for text with color graphics

Keeps pace with your business

- Multiple users can easily share with optional HP JetDirect print servers
- Hardy 3,000 pages-per-month duty cycle
- Compatible with DOS and Windows 3.1x, 95 and NT 4.0
- Easily handles a wide variety of paper types including envelopes, transparencies, and labels
- One-year limited warranty and next-day replacement with HP Express Exchange (U.S. and Canada only)

Everything you need

- Setup card, user's guide and printer software get you started fast
- Includes software with pre-designed templates for business, plus Internet tips and tools

*The HP DeskJet 890C *Professional Series* printer has the smallest ink drop when compared to other desktop inkjet printers.

Convenient desktop printing!
Convenience and confidentiality
are important in my work. The HP
DeskJet 890C gives me professional
results right at my desk.

Fits my fast pace!
Printing long production reports is no
problem with a speedy HP DeskJet
890C printer.

Impressive photo quality!
The HP DeskJet 890C prints
color and photographs so
well, we can create our
own professional-looking
sales literature!

Color adds impact!
Adding color to our company communications
has been a great success—our employees read and
remember important information better!

Outstanding results on any paper!
Our company uses mostly plain office paper,
but we still get incredible print quality with
the HP DeskJet 890C.

A smart investment!
We can use the HP DeskJet
890C as a personal printer or
a shared printer. That adds
flexibility to our business
and saves us money!

**The perfect color
printer for business!**
Everyone at our company
has a different reason for
needing a color printer.
With the HP DeskJet
890C, I found a color
printer that makes
everyone happy—
plus, it's easy
to install!



How can one printer make so many people so happy?

HP DeskJet 890C and PhotoREt II

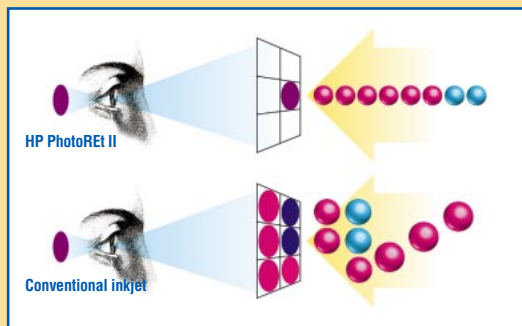
The color printing breakthrough

Hewlett-Packard takes the speed and quality of color inkjet printing to a higher level with an amazing new technology called PhotoREt II.

And here's good news for business—the new HP DeskJet 890C *Professional Series* printer has PhotoREt II technology built in. Compare output from the HP DeskJet 890C *Professional Series* printer with other inkjet printers and you'll immediately see the difference PhotoREt II makes in image quality.

The HP DeskJet 890C *Professional Series* printer uses PhotoREt II and a new all-in-one color/photo print cartridge to deliver the smallest, most precise ink drops in the inkjet printer industry.* These strategically-placed tiny drops mean great things for professional-looking business documents.

- More levels of color and fewer visible dots for superior photo-quality output
- Outstanding print quality on any paper, including ordinary office paper
- Professional color and black printing without compromising speed



PhotoREt II strategically places up to 16 tiny ink drops in a single dot to achieve precise printable colors. Conventional inkjets are limited to two drops of ink per dot, which the human eye must blend to create the illusion of color. As a result, PhotoREt II gives you better photo-quality output with fewer visible dots, more shades for precise color, and smoother color transitions.

The HP DeskJet 890C *Professional Series* printer also uses exclusive HP SmartFocus technology to dramatically improve the print quality of low resolution images—like those printed from the Internet. This unique feature automatically optimizes “low res” graphics so you can print Internet images that look better than ever.

The HP DeskJet 890C *Professional Series* printer is the do-it-all business printer that makes everyone happy. It's ideal for the fast-pace office, delivering black text at 9 pages per minute and high-quality color graphics with text at 5 ppm. It's affordable as a personal desktop printer, yet speedy and rugged enough for a shared-printer office. And, it makes every page look professional, whether it's printed on plain office paper or special project paper.



HP has changed the business of color inkjet printing with the HP DeskJet 890C *Professional Series* printer. Smaller drops, more levels of color, outstanding print quality—even on plain paper, affordable desktop or shared printing, faster than ever. It's clearly an incredible breakthrough in color inkjet printing!

*The HP DeskJet 890C *Professional Series* printer has the smallest ink drop when compared to other desktop inkjet printers.

Technical Specifications

Print Method	Plain paper drop-on-demand thermal inkjet printing		
Print Quality	Black print quality: up to 600 dpi with black pigmented ink Color print quality: PhotoREt II for photo quality Three modes permit the user to choose print quality and print speed levels*		
	Print mode	Print quality and speed	
	EconoFast	Fastest speed and acceptable print quality	
	Normal	Optimum combination of speed and print quality	
	Best	Best print quality and slower print speed	
Print Speed	Dependent upon document type and print mode*		
	Document type	EconoFast	Normal
	Black text	9 ppm	7 ppm
	Black text/color highlights	8 ppm	5 ppm
	Mixed text/color graphics	5 ppm	1.5 ppm
	Full-page color	2 ppm	0.5 ppm
			Best
			4 ppm
			3 ppm
			1 ppm
			0.25 ppm
Print Head Nozzles	300 black, 192 color		
Printer Command Language	HP PCL 3 enhanced		
Included Software	890Cxi: Ready, Set, Create HP Business Print Kit (with <i>iPublish</i> ™ from Design Intelligence, By Design™ Office from Streetwise Software featuring pre-designed templates for everything from invoices and calendars to presentations) (Software included only in United States) 890Cse: Ready, Set, Create HP Business Print Kit (with <i>iPublish</i> ™ from Design Intelligence, By Design™ Office from Streetwise Software featuring pre-designed templates for everything from brochures and newsletters to invoices)		
Software Compatibility	Microsoft® Windows® 3.1x, 95, NT 4.0, and MS-DOS 3.3 and above		
Fonts	26 built-in scalable fonts, 126 TrueType fonts for Windows (110 typefaces, with HP FontSmart plus additional 16 TrueType typefaces)		
Media Size/Type	Paper: letter 8.5 x 11 in; legal 8.5 x 14 in; A4 210 x 297 mm; A5 148 x 210 mm; executive 7.25 x 10.5 in; custom sizes 3.9 to 8.5 in (100 to 216 mm) width by 5.8 to 14 in (148 to 356 mm) length; plain or special paper types Transparencies: letter 8.5 x 11 in; A4 210 x 297 mm Envelopes: #10 4.12 x 9.5 in; DL 220 x 110 mm; C6 114 x 162 mm Cards: 4 x 6 in; 5 x 8 in; A6 105 x 148.5 mm Labels: letter 8.5 x 11 in; A4 210 x 297 mm		
Media Weight	Paper:	16 to 36 lb bond (60 to 135 g/m ²)	
	Envelopes:	20 to 24 lb bond (75 to 90 g/m ²)	
	Cards:	110 lb index maximum; 8.5 pt maximum thickness (110 to 200 g/m ²)	
Media Handling	Sheets:	up to 150 or single sheet only	
	Envelopes:	up to 15 or single envelope only	
	Cards:	up to 30	
	Output tray capacity:	up to 50 sheets	
I/O Interface	MS-DOS/Windows: Centronics parallel, IEEE 1284-compliant, 32-KB buffer size		
Printer Memory	0.5 MByte built-in RAM		
Dimensions (W x H x D)	17.5 x 8.9 x 15.6 in (444 x 226 x 396 mm)		
Weight	14.3 lb (6.5 kg)		
Duty Cycle	3,000 pages-per-month (black); 500 pages-per-month (full-page color)		
Power Supply	Built-in universal power supply		
Power Requirements	Input voltage 100-240 VAC (±10%), 50/60 Hz (±3 Hz)		
Power Consumption	1.0 watts maximum when off; 5.25 watts maximum non-printing; 48 watts maximum printing		
Operating Environment	Operating temperature: 5° to 40°C (41° to 104° F); Humidity: 15% to 80% RH non-condensing Recommended operating conditions: 15° to 35°C (59° to 95° F); Humidity: 20% to 80% RH non-condensing Storage temperature: -40° to 60°C (-40° to 140° F) Noise levels per ISO 9296: Best mode: Normal mode: Sound power, L _{wAd} : 6.0 B(A) 6.2 B(A) Sound pressure, L _{pAm} : 47 dB(A) 49 dB(A)		
Product Certifications	Safety certifications: CSA, NEMKO, NOM, CCIB, TUV & UL EMI certifications; FCC Class B when used with a Class B computing device (USA), EMC Directive 89/336/EEC (European Community); VCCI (Japan)		
Warranty	One-year warranty, HP-authorized service dealer or Express Exchange (Express Exchange available in United States and Canada only)		



Ordering Information

Number	Description
C5876A	HP DeskJet 890Cxi printer
C5877A	HP DeskJet 890Cse printer
51645A	Black inkjet print cartridge
C1823A	Color inkjet print cartridge
Network Interface	
J2592A	HP JetDirect 150X print server, 1 port Ethernet/802.3, RJ-45 (10Base-T)
J2591A	HP JetDirect EX Plus print server, Ethernet/802.3, BNC (10Base2), RJ-45 (10Base-T)

HP Premium Transparency Film

C3828A	Letter size, 20 sheets
C3834A	Letter size, 50 sheets
C3832A	A4 size, 20 sheets
C3835A	A4 size, 50 sheets

HP Premium Photo Paper

C6039A	Letter size, 20 sheets
C6040A	A4 size, 20 sheets

HP Deluxe Photo Paper

C6055A	Letter size, 20 sheets
C6057A	A4 size, 20 sheets

HP Premium Inkjet Paper

51634Y	Letter size, 200 sheets
51634Z	A4 size, 200 sheets

HP Premium Heavyweight Inkjet Paper

C1852A	Letter size, 100 sheets
C1853A	A4 size, 100 sheets

HP Bright White Inkjet Paper

C1824A	Letter size, 500 sheets
C1825A	A4 size, 500 sheets

For More Information

Hewlett-Packard peripherals and personal computers are available at authorized HP resellers worldwide. In North America, call for the authorized HP reseller nearest you:
 United States: 1-800-552-8500
 Canada: 1-800-387-3867

If you have questions about the HP DeskJet 890C go to Hewlett-Packard's home page on the World Wide Web: www.hp.com or the HP Peripherals Forum on CompuServe

HP Telephone Assistance
 In warranty: 1-208-323-2551
 (M-F 6:00 am-10 pm, Sat 9:00 am-4:00 pm Mountain time)

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*This printer defaults to *Normal* if another mode is not selected

Includes

Kodak

Image Enhancements

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