



create



color

data sheet



## hp designjet 120 series printer

multi-format graphics printers  
120 • 120nr

Graphic designers will find the HP Designjet 120 Series Printer flexible enough to accommodate their creative side, fast enough to keep up with demanding production schedules, and affordable enough to fit a creative professional's budget. Whether designs call for postcard-size images, full color pages, or banner-style communication, this printer delivers professional quality images.

### colors that convince

- vividly convey your concepts—produce professional quality color images with hp color layering technology and 6-color CMYKcm writing system that provides a wide color gamut and smooth tonal transitions
- high quality printed images for marketing and creative communications—4-picoliter ink drop size and 2400-dpi resolution combine for true photo quality images with fine details and sharp text
- see consistent color from print to print and from printer to printer—automatic closed loop color calibration provides maximum color consistency

### postcards to posters

- eliminate the need to cut-and-paste or outsource—in addition to a 100-sheet tray for documents up to 13 by 19 inches, extra-wide front and rear paths allow you to print oversize output up to 24 inches wide; the automatic roll feed (optional on the 120) supports printing up to 24 inches by 50 feet long and allows you to switch between loaded media options without user intervention
- use the media type that best conveys your concepts—print on thick or rugged media up to 80 lbs; choose from a variety of media finishes including coated paper, photo paper, and heavyweight coated stock

### more time to design

- fast, high quality printing—print 2 by 3 feet Normal mode images in under six minutes, tabloid proofs at four minutes per page in Best mode or 8.5 letter-size pages in one minute using Fast mode
- works in multiple platforms—easy setup, connection, and operation in both Macintosh and Windows® environments
- full workflow support—optimized drivers support RGB color matching for both Macintosh and Microsoft® Windows applications—optional Adobe® PostScript® 3 software RIP for CMYK color matching and robust color management
- no couriers, no waiting—in-house printing for large-size output eliminates delays and shortens project timelines
- spend more time printing, less time maintaining—replace supplies less frequently using hp high-capacity dye ink cartridges, an integral part of the printer's color delivery system

HP printing and imaging systems help you create powerful, professional communications easily. Printers, supplies, accessories, and services are designed together to work together and invented to meet your business needs.

# hp designjet 120 series printers

## hp designjet 120nr shown

rear bypass slot handles heavy and rigid media of weights up to 80 lb (300 g/m<sup>2</sup>)

automatic roll feed (optional for the hp designjet 120) feeds rolls up to 24 inches in width

connect to PC or Mac via EIO slot—USB 1.1 and USB 2.0-compliant and Centronics parallel IEEE 1284-compliant

internal color sensor for color consistency

LCD printer status indicator for ink supply maintenance and print messages alerts

small footprint allows you to place printer on your desktop or in common work area

2400 by 1200-dpi resolution (using premium photo paper), color layering technology, and 4-picoliter ink drop size for vibrant, photo quality output

media tray holds up to 100 sheets of standard-size media (up to 13 by 19 in)

modular ink system with six independently replaceable ink cartridges allows you to replace only the ink colors you need

front bypass slot accommodates cut-sheet media up to 24 inches



### hp designjet 120 series at a glance

#### hp designjet 120

##### for personal use

- 100-sheet input tray for media up to 13 by 19 inches
- front media path for single sheets up to 24 inches wide
- rear bypass slot for thick and rigid media
- Macintosh and Windows drivers

##### optional accessories

- automatic roll feed for printing up to 24 inches by 50 feet
- hp jetdirect 615n networking card
- media bin and stand
- Adobe PostScript 3™ software RIP

#### hp designjet 120nr

##### for workgroups

- 100-sheet input tray for media up to 13 by 19 inches
- front media path for single sheets up to 24 inches wide
- rear bypass slot for thick and rigid media
- Macintosh and Windows drivers
- automatic roll feed for printing up to 24 inches by 50 feet
- hp jetdirect 615n networking card

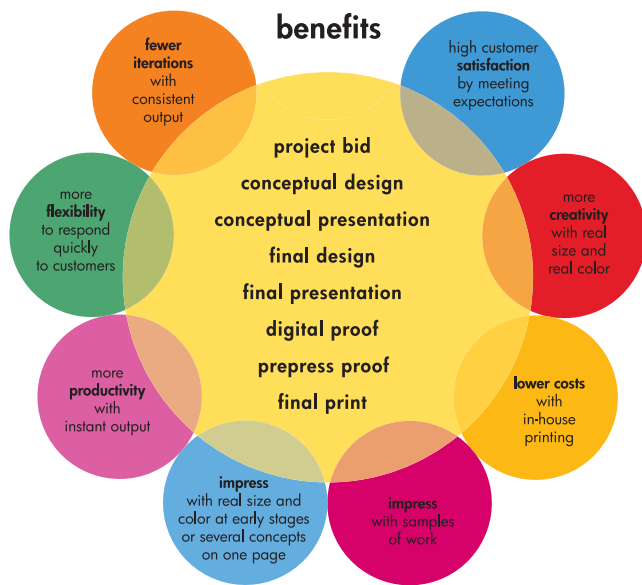
##### optional accessories

- media bin and stand
- Adobe PostScript 3 software RIP

#### optional software RIP

- Adobe PostScript 3 drivers for Macintosh and Windows
- Automatic PANTONE®\* Calibration
- offset emulation
- ICC profile support

\*Pantone, Inc.'s checkstandard trademark for color



## powerful tool for the entire creative process

The HP Designjet 120 Series Printers provide small advertising agencies, graphic designers, marcom professionals, and production staffs an affordable solution that can dramatically improve production workflows throughout the entire creative process. With HP's advanced printing technology and six-color printing, you get superior color quality and accuracy that emulates offset production printing so your proofs will match your printer's final output.

Use the printer in the beginning of your creative process to present initial concepts to both your team and to the client. The flexible media handling options (up to 24 inches wide) allow you to print everything from postcards to product packaging using a wide variety of media types so your comps accurately represent the final product—no need to cut and paste or outsource. As your projects progress and deadlines get tight, the fast printing speeds allow you to quickly output proofs and comps increasing your efficiency and turnaround times.

Eliminate the worry that comes with outsourcing comps of point-of-purchase signage and banners. The flexible media capabilities including automatic roll feed and HP technology that prints consistent, accurate color images mean you can print samples or single pages that are client-ready. You retain complete creative and production control because you don't have to spend the time and energy the comes from outsourcing projects with vendors.

## the hp media advantage

The HP Designjet 120 Series media handling features and media options ensure you get the look you need whether it's the first proof or the final product.

HP offers a full variety of finishes for proofing media that provide you the look and feel of offset prints. Use HP Proofing Semi-Gloss Paper and HP Proofing Matte Paper for offset emulation on contract proofs. For premium presentation proofs try HP Proofing Gloss Paper. Take advantage of the HP Designjet 120nr printer's roll feeder with a wide variety of roll media in a variety of thicknesses and coatings. Or, to achieve the printer's maximum 2400 by 1200-dpi resolution, use HP Premium Photo Paper.

And because we design our media to work together with HP Designjet printers, you're guaranteed the award winning results that only come from Hewlett-Packard.

## service and support from hp

HP offers a variety of support options to assist you in the setup and maintenance of the HP Designjet 120 Series Printers. Start with the included return-to-HP warranty that covers phone support backed by award winning HP Customer Care. HP Designjet online ([www.designjet.hp.com](http://www.designjet.hp.com)) offers 24-hour online troubleshooting, e-mail support, and downloads. To further guarantee trouble-free operation, to maximize the potential of your HP Designjet printer, and to customize the printer for your unique business profile, consider upgrading service and support options.

## maximize your returns with hp services

HP offers a comprehensive set of services and acquisition options that provide predictable cost structures and business efficiency gains—financing, user training, deployment strategies, regularly scheduled supplies and printer maintenance, and complete hardcopy environment management are available through HP Consulting, HP Outsourcing, HP Support, HP Education, and HP Finance. To find out more, go to the HP Services website at [www.hp.com/hps](http://www.hp.com/hps)

**graphic design firms and  
advertising agencies can  
improve their workflows  
by adding high quality  
color output for an  
affordable price**

Technical Specifications HP Designjet 120 Series	HP Designjet 120	HP Designjet 120nr	
	C7791A	C7791B	
Print Performance Print Speed	<b>2 x 3 feet:</b>	<b>Best Glossy</b> 13 mpp	<b>Normal Glossy</b> 6 mpp
	<b>B size:</b>	4 mpp	1.5 mpp
	<b>Letter size:</b>		8.5 ppm
Maximum Resolution	2400 x 1200 dpi		
Print Margins	Top, left and right: 5 mm; bottom: 12 mm		
<b>Media</b>			
Handling	100-sheet input tray: 3.0 x 5.6 to 24.6 x 19 in (used mainly for letter, tabloid, B+); Front bypass manual single-sheet feed: 4.3 x 8.1 to 24.6 x 64 in (used mainly for C, D); Single-sheet rear path for thick media: 4.3 x 8.1 to 24.6 x 64 in (for thick media up to 80 lb (300 g/m <sup>2</sup> ))	100-sheet input tray: 3.0 x 5.6 to 24.6 x 19 in (used mainly for letter, tabloid, B+); Front bypass manual single-sheet feed: 4.3 x 8.1 to 24.6 x 64 in (used mainly for C, D); Single-sheet rear path for thick media: 4.3 x 8.1 to 24.6 x 64 in (for thick media up to 80 lb (300 g/m <sup>2</sup> )); Automatic roll feed: 24 inch with automatic cutter	
Types	Paper (plain, coated, two-sided brochure paper, photo, glossy, semi-gloss photo, heavyweight), transparencies		
Weight	17.3 to 80 lb		
Media Size	letter, legal, tabloid, executive, B, C, D, B+, C+, D+, envelopes (3.0 to 24.6 inch wide sheets; 24 inch rolls (120nr only))		
<b>Memory</b>	64 MB		
<b>Print</b>			
Technology	HP Color Thermal Inkjet		
Technology, Print Resolution	HP Color Layering Technology, PhotoREt III		
Cartridges	dye inks—black, yellow, light cyan, light magenta (69 ml); cyan, magenta (28 ml)		
<b>Connectivity</b>			
Languages	PCL3GUI RGB-24 bit contone; HP PostScript 3 via software RIP (with optional software)		
Color Features in Driver	CMYK adjustments; saturation, brightness, and color tone control; color calibration		
Operating Systems	Microsoft Windows (95, 98, Me, NT <sup>®</sup> 4.0, 2000, XP), Macintosh (9.1, 9.2, 10.1, 10.2)		
Network Operating Systems	Microsoft Windows (NT 4.0 Server, 2000 Server, XP, 2002 Server), Mac OS		
Network Interfaces	USB 1.1 (Microsoft Windows 98 2nd Edition, Me, 2000 and XP), USB 2.0 compliant Centronics Parallel IEEE 1284-compliant (PCP), 1 EIO slot	USB 1.1 (Microsoft Windows 98 2nd Edition, Me, 2000 and XP), USB 2.0 compliant Centronics Parallel IEEE 1284-compliant (PCP), 1 EIO slot, HP Jetdirect 615n print server for Fast Ethernet	
System Requirements for Adobe PostScript 3 RIP	Windows (98se, Me, NT 4.0, 2000, XP); Pentium II, 128 MB, 1 GB available hard disk space; MAC OS 9 (9.1, 9.2); MAC OS (10.1), G3 PowerPC, 128 MB RAM, 1 GB available hard disk space; MAC OS 9 (9.1, 9.2); MAC OS X (10.1); G3 PowerPC, 128 MB RAM, 1 GB available hard disk space		
<b>Dimensions (w x d x h)</b>			
Printer	41.3 x 15.7 x 8.7 in	41.3 x 20.5 x 8.7 in	
Maximum Shipping	41.3 x 31.5 x 8.7 in	41.3 x 36.2 x 8.7 in	
<b>Weight</b>			
Printer	43.6 lb	48.4 lb	
Shipping	71 lb	75 lb	
<b>What's in the Box</b>	HP Designjet 120 Printer, power cord, printheads (6), print cartridges (6), input/output tray, Macroinstaller, drivers CD, user documentation CD, setup poster, Quick Start Guide, unpacking instructions, media samples		

## ordering information

number	description
C7791A	HP Designjet 120 Printer
C7791B	HP Designjet 120nr Printer

service and support	
U3423A/E	HP Supportpack, 3-year, express exchange

supplies and accessories	
Q1246A	Stand & Bin
Q1264A	Spindle
Q1247A	Automatic Roll Feed (standard on 120nr)

Print Cartridges		Printheads	
C5016A	HP 84 Large Black Ink Cartridge	C5019A	HP 84 Black Printhead
C4836A	HP 11 Cyan Ink Cartridge	C4811A	HP 11 Cyan Printhead
C4837A	HP 11 Magenta Ink Cartridge	C4812A	HP 11 Magenta Printhead
C4913A	HP 82 Yellow Ink Cartridge	C4813A	HP 11 Yellow Printhead
C5017A	HP 84 Light Cyan Ink Cartridge	C5020A	HP 84 Light Cyan Printhead
C5018A	HP 84 Light Magenta Ink Cartridge	C5021A	HP 84 Light Magenta Printhead

Media	
Q1961A	HP Coated Paper, C
Q1962A	HP Coated Paper, D
Q1970A	HP Proofing Glass, B+
Q1963A	HP Proofing Glass, C
Q1964A	HP Proofing Glass, D
Q1965A	HP Proofing Glass, 24 in rolls
C7884A	HP Proofing Semi Gloss, B+
Q1966A	HP Proofing Semi Gloss, 24 in rolls
Q1967A	HP Proofing Matte, B+
Q1968A	HP Proofing Matte, 24 in rolls
C6019A	HP Coated Paper, 24 in rolls
C8281A	HP Basic Coated Paper, 24 in rolls
C6029C	HP Heavyweight Coated Paper, 24 in rolls
C7923A	HP Basic Heavyweight Coated Paper, 24 in rolls
C7929A	HP Super Heavyweight Coated Paper, 24 in rolls
C8315A	HP Basic High Gloss Photo Paper, 24 in rolls
C8310A	HP Basic Photo Satin, 24 in rolls
C6035A	HP Bright White Inkjet Paper, 24 in rolls
C7919A	HP Basic Bond Paper, 24 in rolls
C3869A	HP Natural Tracing Paper, 24 in rolls
C5164Z	HP Matte Film, 24 in rolls
C7909A	HP Double Matte Erasable Film, 24 in rolls
C3862A	HP Vellum, 24 in rolls
C3860A	HP Translucent Bond, 24 in rolls
C3876A	HP Clear Film, 24 in rolls

For a complete list of printing materials and product numbers, please refer to the HP Web site at [www.designjet.hp.com](http://www.designjet.hp.com).

## network and software

J6057A	HP Jetdirect 615n print server for Fast Ethernet
Q1291A	Adobe PostScript 3 software RIP for Macintosh and Windows

## printer drivers included

Rasterdriver for Mac OS (9.x, 10.1, 10.2), PCL3GUI Windows driver, Microsoft Windows drivers (95, 98, Me, NT 4.0, 2000, XP) including support for AutoCAD<sup>™</sup> 2000, USB and ECP drivers

## system requirements

Microsoft Windows 95, 98: Pentium<sup>®</sup> I 133 MHz, 48 MB RAM, 300 MB available hard disk space; Windows NT: Pentium II, 300 MHz, 64 MB RAM, 400 MB available hard disk space; Windows 2000: Pentium II, 300 MHz, 128 MB RAM, 400 MB available hard disk space; Windows XP: Pentium III, 733 MHz, 128 MB RAM, 400 MB available hard disk space

## environmental ranges

Operating temperatures: 41 to 104° F (5 to 40° C)  
Recommended operating temperatures: 59 to 86° F (15 to 30° C)  
Storage temperatures: -4 to 131° F (-20 to 55° C)  
Operating humidity: 25 to 75% RH  
Non-operating humidity: 20 to 80% RH

## acoustics

Per ISO 9296  
Sound pressure: 37 dB(A), Sound power: 6.32 B(A)

## power requirements

Input voltage 100 to 240 VAC auto-ranging, 50/60 Hz, 2 amp maximum

## power consumption

Maximum printing: 65 watts  
Maximum non-printing: 19 watts  
Off: > 0 watts  
ENERGY STAR<sup>®</sup> compliant

## power certification

Safety certifications: CSA Certified for USA and Canada  
Electromagnetic compatibility: U.S.A. (FCC Title 47 CFR Part 15 class B), Canada (Industry Canada ICES 003-CISPR 22), CISPR22 to Class B

## warranty

One-year express exchange warranty

For more information on the HP Designjet 120 Series Printers, visit our website at [www.hp.com](http://www.hp.com) and click on products and services. Here you will find information on products, supplies, and accessories for all your computing needs. HP printers, personal computers, supplies, and accessories are available at authorized HP resellers worldwide.

## HP PCs use genuine Windows Operating Systems

[www.microsoft.com/piracy/howtotell](http://www.microsoft.com/piracy/howtotell)

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