Data sheet

HP Designjet D5800 Production Printer

The fastest 60-inch dye-ink production printer for nonstop operation[1]

Easy integration into your low-cost environment

- Seamlessly integrate this printer into your current environment—and continue using the inks you rely on
- Keep printing costs low—stock one dual-channel printhead SKU optimized for HP dye inks—use it for any color
- Create prints with excellent color transitions and grain thanks to a new printhead with a small drop size[2]
- Increase your productivity with simple media-handling features that help keep media flat while printing

High-speed operation—around the clock

- High-speed printing—up to 128 m^2/hr in Fast mode and 24 m^2/hr in Production mode for polypropylene[3]
- Create quality prints at top speed, using HP Double Swath Technology and the HP Optical Media Advance Sensor
- Expand your offerings—print backlit graphics, POP signs, roll-up banners, and indoor signs in vivid color
- Confidently run jobs overnight with a printhead status gauge, long roll support, and solid take-up reel[4]

Robust design and easy maintenance

- Depend on robust, durable design features built to handle the most demanding printing environments
- Easily maintain your printer in-house with the easy-to-replace printhead and automatic printhead cleaning
- Increase printer uptime with certified reseller support designed to resolve printer issues fast
- Invest in a reliable, workhorse printer backed by a one-year warranty

Eco Highlights

- **Breakthrough color consistency can help reduce unnecessary reprints**
- **FSC®- certified papers,[1] range of recyclable HP media with a take-back program[2]**

[1] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit .HPLFMedia.com.

[2] Program availability varies. Please check hp.com/recycle for details.

Please recycle large-format printing hardware and printing supplies.

Find out how at our website
hp.com/ecosolutions

[1] Compared with large-format inkjet printers under $23,000 USD for 60- to 64-inch graphic dye applications and based on list price, China. Based on the fastest-rated color speeds published by manufacturers in January 2014. Test methods vary.

[2] The HP 706 Printhead used in the HP Designjet D5800 Production Printer delivers a 50% smaller drop size than the HP Designjet 5100 Printer printheads.

[3] The HP Designjet D5800 Production Printer can achieve speeds up to 128 m^2/hr when used in Fast mode on plain paper and can achieve print speeds up to 24 m^2/hr in Fast mode with EconoMode on using polypropylene media.

[4] Take-up reel purchased separately.

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4AA5-2188EEAP, March 2015, Rev. 7

Technical specifications

Print	Max print speed[5]	128 m²/hr (1378 ft²/hr) on plain media
	Color images[6]	Best: 3.53 min/page on A1/D or up to 12.4 m²/hr (133 ft²/hr) on glossy media Normal: 2.51 min/page on A1/D or up to 18.17 m²/hr (195 ft²/hr) on glossy media
	Print resolution	Up to 2400 x 1200 optimized dpi
	Margins	5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in)
	Ink types	Dye-based
	Ink cartridges	Cyan, magenta, yellow, black
	Line accuracy	+/- 0.1%[7]
	Minimum line width	0.02 mm (0.0008 in) (HP-GL/2 addressable)
Image quality	Color accuracy	Median < 1.6 dE2000, 95% of colors < 3.75 dE2000[8]
	Short-term color stability	< 1 dE2000 in less than 5 minutes[9]
	Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.25 dE2000[9]
	Maximum optical density	6 L* min/2.15 D[10]
Media	Handling	Roll feed, automatic cutter
	Media types	Coated paper, technical paper, photographic paper, backlit, self-adhesive, banner and sign
	Size	279 to 1524-mm (11 to 60-in) rolls
	Thickness	Up to 0.56 mm (22 mil)
Applications	Posters, POP/POS, Banners, Mockups, Photos, Light boxes – film, Proofs, Displays	
Memory	64 GB (virtual)[11], 320 GB hard disk	
Connectivity	Interfaces (standard)	Gigabit Ethernet (1000Base-T), EIO Jetdirect accessory slot
	Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
	Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG
	Printing paths	Printer driver, HP Embedded Web Server
	Drivers (included)	HP-GL/2, HP-RTL drivers for Windows; PostScript Windows and Mac drivers with optional PostScript/PDF Upgrade Kit
Dimensions (w x d x h)	Printer	2430 x 690 x 1370 mm (95.7 x 27.2 x 53.9 in)
	Shipping	2700 x 750 x 1200 mm (106.3 x 29.5 x 47.2 in)
Weight	Printer	180 kg (397 lb)
	Shipping	213 kg (470 lb)
What's in the box	HP Designjet D5800 Production Printer, spindle, printheads, maintenance cartridge, printer stand, 3-in spindle adapter kit, quick reference guide, setup poster, startup software, power cord	
Environmental ranges	Operating temperature	5 to 40°C (41 to 104°F)
	Storage temperature	-20 to 55°C (-4 to 131°F)
	Operating humidity	20 to 80% RH
Acoustic	Sound pressure	53 dB(A) (printing); 39 dB(A) (ready); 39 dB(A) (sleep)
	Sound power	7.0 B(A) (printing); 5.5 B(A) (ready); 5.5 B(A) (sleep)
Power	Consumption	270 watts (printing); < 48 watts (ready); < 5.3 watts (sleep); < 0.3 watts (off)
	Requirements	Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 3 A; 50/60 Hz (+/- 3 Hz)
Certification	Safety	USA and Canada (CSA certified), EU (LVD and EN 60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KC)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (MSIP), Korea (MSIP)
	Environmental	ENERGY STAR, WEEE, RoHS (EU, China, Korea, India), REACH
Warranty	One-year limited hardware warranty	

ENERGY STAR | R6 READY | Mac | Universal | Windows 8 Compatible

For more information, please visit
www.akiradata.co.id

Ordering information

Product	F2L45A	HP Designjet D5800 60-in Production Printer
Accessories	CQ745B	HP Designjet PostScript/PDF Upgrade Kit
	CQ754A	HP Designjet 60-in Spindle
	J8025A	HP Jetdirect 640n Print Server
	Q6715A	HP Designjet User Maintenance Kit
	J6E61A	HP Designjet D5800 Take-up Reel
	G6H51A	HP Designjet HD Pro Scanner
Original HP printheads	F9J49A	HP 706 Designjet Printhead
	CH644A	HP 771 Designjet Maintenance Cartridge
Original HP ink cartridges	C4930A	HP 81 680-ml Black Ink Cartridge
	C4931A	HP 81 680-ml Cyan Ink Cartridge
	C4932A	HP 81 680-ml Magenta Ink Cartridge
	C4933A	HP 81 680-ml Yellow Ink Cartridge
	C5066A	HP 81 680-ml Black 3-ink Multipack
	C5067A	HP 81 680-ml Cyan 3-ink Multipack
	C5068A	HP 81 680-ml Magenta 3-ink Multipack
	C5069A	HP 81 680 ml Yellow 3-ink Multipack
Original HP large format printing materials	C0F22A	HP Everyday Adhesive Matte Polypropylene, 2 Pack 1524 mm x 22.9 m (60 in x 75 ft)
	CH027A	HP Everyday Matte Polypropylene, 2 Pack [12] 1524 mm x 30.5 m (60 in x 100 ft)
	Q6578A	HP Universal Instant-dry Gloss Photo Paper (FSC® certified)[13] [14] 1524 mm x 30.5 m (60 in x 100 ft)
	Q6583A	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[13] [14] 1524 mm x 30.5 m (60 in x 100 ft)
	Q1428B	HP Universal Gloss Photo Paper 1067 mm x 30.5 m (42 in x 100 ft)
	Q1422B	HP Universal Satin Photo Paper 1067 mm x 30.5 m (42 in x 100 ft)
	Q8750A	HP Premium Vivid Color Backlit Film [12] 1524 mm x 30.5 m (60 in x 100 ft)
	C6568B	HP Coated Paper (PEFC™ certified)[13] [15] 1372 mm x 45.7 m (54 in x 150 ft)
	Q1398A	HP Universal Bond Paper (FSC® certified)[13] [15] 1067 mm x 45.7 m (42 in x 150 ft)
	C6977C	HP Heavyweight Coated Paper (PEFC™ certified)[13] [15] 1524 mm x 30.5 m (60 in x 100 ft)

Service and support

	H4518E	HP Installation Service with Network Setup
	U1XV5E	HP 2 year Next Business Day Onsite Support with DMR[16]
	U1XV6E	HP 3 year Next Business Day Onsite Support with DMR[16]
	U1XV7E	HP 5 year Next Business Day Onsite Support with DMR[16]
	U1ZM3PE	HP 1 year Post Warranty, Next Business Day Onsite Support with DMR[16]
	U1ZM2PE	HP 2 year Post Warranty, Next Business Day Onsite Support with DMR[16]
	U1XV4E	HP Preventive Maintenance Service

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

5 Mechanical printing time. Printed in Fast mode with Economode on with Original HP inks.
6 Mechanical printing time. Printed with Original HP inks.
7 +/- 0.1% of the specified vector length or +/- 0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with Original HP inks.
8 ICC absolute colorimetric accuracy on HP Premium Instant-dry Gloss Photo Paper with Original HP inks.
9 With HP Premium Instant-dry Gloss Photo Paper with Original HP inks, right after calibration.
10 With HP Premium Instant-dry Gloss Photo Paper with Original HP inks.
11 Based on 1 GB RAM. Expandable to 1.5 GB RAM through an HP Designjet qualified SODIMM included only in the optional HP Designjet PostScript/PDF Upgrade Kit accessory.
12 HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See HPLFMedia.com/hp/ecosolutions for details.
13 BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. BMG trademark license code PEFC™/29-31-261, see pefc.org. HP trademark license code PEFC™/29- 31-198, see pefc.org. Not all FSC®- or PEFC™-certified products are available in all regions.
14 In Asia (including Japan), recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area).
15 Can be recycled through commonly available recycling programs.
16 Defective Media Retention keeps your sensitive data safe. To comply with security regulations you can keep the defective hard-drive or data-retentive memory component while getting a new replacement disk or memory.

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