

HP Designjet printers

Why upgrade?



From the HP Designjet 5000/5500 Printer series to the HP Designjet Z6800 Photo Production Printer and the HP Designjet Z6600 Production Printer



HP Designjet 5000/5500 Printer series



HP Designjet Z6800 Photo Production Printer
HP Designjet Z6600 Production Printer

Make the comparison and see the potential for your business

Compared to the HP Designjet 5000/5500 Printer series, when you upgrade you can:

Save money with a lower cost per copy

- Reduce your cost per copy up to 17% using Original HP pigment-based inks on the HP Designjet Z6600/Z6800 Printer series compared to dye-based inks¹
- Help reduce your cost per copy up to 37% using Original HP pigment-based inks on the HP Designjet Z6600/Z6800 Printer series compared to UV inks¹

Print more in less time

- Increase your top print speed from 569 ft²/hr (53 m²/hr) to 1500ft²/hr (140 m²/hr)
- Gain more unattended printing—even overnight - with long-roll support up to 246 ft (75 m) and 775-ml HP ink cartridges
- See faster file processing with an increase in HDD capacity and virtual memory—up to 320 GB HDD, 64 GB² virtual memory
- Take advantage of faster drying time with pigment-based Original HP Vivid Photo Inks
- Load heavy rolls with less effort with the ergonomic loading table

Offer better image quality

- Deliver improved print quality up to 2400 x 1200 dpi
- See improved scratch resistance³
- Print at top speeds and still get great image quality. The HP Optical Media Advance Sensor (OMAS) improves paper-advance control and accuracy
- Achieve a wider color gamut in prints that offer over 200 years indoor fade resistance with Original HP Vivid Photo Inks⁴
- Produce a wide range of blacks and grays, smooth transitions, and true neutral grays with three shades of black HP inks
- Up to 35% increased PANTONE coverage from 66% (HP Designjet 5000/5500 Printer series) to 84% with HP Designjet Z6600 Production Printer and to 89% with HP Designjet Z6800 Photo Production printer
- Produce better skin tones, see greater gloss uniformity

¹ Based on internal HP testing using HP Vivid Photo Inks on HP Premium Instant-dry Gloss Photo Paper in normal mode.

² Based on 1 GB RAM. Expandable to 1.5 GB RAM through a Designjet qualified SODIMM included in the optional HP Designjet PostScript®/PDF Upgrade Kit accessory.

³ Based on internal HP testing.

⁴ Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab, and by Wilhelm Imaging Research, Inc. on a range of HP media and based on HP Vivid Photo inks. For more information, globalBMG.com/hp.

Upgrade from the HP Designjet 5000/5500 Printer series to the HP Designjet Z6600/Z6800 Printer series



HP Designjet 5000/5500 Printer series



HP Designjet Z6800 Photo Production Printer
HP Designjet Z6600 Production Printer

Ink costs for sample drawings

HP Premium Instant-dry Gloss Photo Paper



Size A1

Normal mode

using UV ink
€4,88⁵
using dye ink
€3,70⁵

Up to 37% savings

Normal

€3,06⁵ for the HP Designjet Z6800 Photo Production
€3,09⁵ for the HP Designjet Z6600 Production Printer

With HP Vivid Photo Inks, the HP Designjet Z6800 and Z6600 printers provide greater ink efficiency. Save up to 37% on ink costs, reduce your intervention rate, and increase your system duty cycle.

Sample print speeds

HP Premium Instant-dry Gloss Photo Paper



Size A1

	Best mode	Normal mode	Fast mode
using UV ink	7 min 38 sec	6 min 20 sec	3 min 26 sec
using dye ink	7 min 36 sec	6 min	3 min 31 sec

More speed

Best mode Normal mode Fast mode

HP Designjet Z6800 Photo Production Printer:

4 min 8 sec 2 min 50 sec 2 min 07 sec

Faster in every print mode on every printing material tested. Up to 54% faster on HP Premium Instant-dry Gloss Photo Paper.

HP Designjet Z6600 Production Printer:

5 min 22 sec 2 min 46 sec 2 min 05 sec

Print quality

Maximum resolution	1200 x 600 dpi ⁶
Number of cartridges	Six ink cartridges

Improved print quality



2400 x 1200 dpi

HP Designjet Z6800 Photo Production Printer:

Eight ink cartridges (light gray, photo black, matte black, light magenta, magenta, cyan, chromatic red, yellow)

HP Vivid Photo Inks create glossy and uniform output. With chromatic red ink, create a wide color gamut with vibrant color and deep, rich blacks for impressive backlights and a scratch-resistance improvement of 2X on photo applications.⁷

HP Designjet Z6600 Production Printer:

Six ink cartridges (light gray, photo black, matte black, magenta, cyan, yellow)

+/- 0,1%⁶

Line accuracy	+/- 0,2%
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Additional improvements

Cartridge capacity	680-ml ink cartridges
Interfaces	HP Jetdirect 10/100Base-TX print server
RAM memory	128 MB/256 MB Max
Hard Disk Drive capacity	40 GB
Loading system	Manual loading
Color management	Closed-loop color calibration

775-ml ink cartridges
Gigabit Ethernet (1000Base-T), EIO Jetdirect accessory slot
64 GB (virtual) ⁸
320 GB
Ergonomic loading table
Color accuracy and ability to create custom ICC profiles with the HP embedded spectrophotometer (HP Designjet Z6800)

⁵ Prices might vary per country.

⁶ +/- 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 HP Vivid Photo Inks.

⁷ Based on internal HP testing.

⁸ Based on 1 GB RAM. Expandable to 1.5 GB RAM through a Designjet qualified SODIMM included only in the optional HP Designjet PostScript®/PDF Upgrade Kit accessory.

Learn more at

hp.com/go/DesignjetZ6800
hp.com/go/DesignjetZ6600

