



HP DesignJet Z5600 44-in PostScript Printer (TOB51A)

Overview



Produce eye-catching, high-impact graphics with HP chromatic red ink

Print vivid, eye-catching graphics and technical documents with HP chromatic red ink. Multi-roll operation and flexible workflows enable express printing. HP's optimized 6-ink printing system helps reduce ink consumption up to 20%.^[2]

VIVID—Eye-catching, water/fade-resistant images^[3]

Impressive—HP chromatic red ink enhances the color gamut—ideal for high-impact POP signs and posters.

SAVINGS—Cut costs with HP 6-ink printing system^[2]

Up to 20% ink consumption savings using HP's optimized 6-ink printing system.^[2]

EXPRESS PRINTING—Fast one-click^[1], and multi-roll

Boost operator media loading efficiency up to 75%^[4] with automatic multi-roll printing.

[1] Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.

[2] Reduced ink consumption based on comparing the 6-ink HP DesignJet Z5600 PostScript® Printer to the 8-ink Canon imagePROGRAF iPF8400S printer when used in a small copy shop environment as of March, 2016.

[3] Print permanence estimates by HP Image Permanence Lab based on HP Vivid Photo Inks with the HP DesignJet Z6200 Photo Production Printer. Water resistance performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. Scratch-resistance based on internal HP testing using the Taber and coin test method on a range of HP media. 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. For more information, see <http://www.HPLFMedia.com/printpermanence>

[4] Based on March, 2016 internal HP competitive research comparing single-roll printers with dual-roll printing with smart switching on the HP DesignJet Z5600 PostScript® Printer on jobs that require switching between two types of media.

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print
Connectivity, standard	Gigabit Ethernet (1000Base-T); Hi-Speed USB 2.0 certified; EIO Jetdirect accessory slot
Connectivity, optional	HP Jetdirect EIO print servers
Software included	Printer drivers, HP DesignJet Click, HP DesignJet Utility including HP Color Center, HP DesignJet Excel Accounting Tool
Energy star certified	Yes
Minimum dimensions (W x D x H)	1770 x 775 x 1050 mm
Minimum dimensions (W x D x H)	69.7 x 30.5 x 41.3 in
Weight	86.5 kg
Weight	190.7 lb
Power consumption	< 120 watts (printing); < 32 watts (ready); 1.5 watts (sleep); 0.1 watts (off)
Environmental certification	ENERGY STAR®, WEEE; EU RoHS; China RoHS; REACH; EPEAT Bronze
What's in the box	HP DesignJet Z5600 PostScript Printer; printheads; introductory ink cartridges; printer stand and media bin; spindles; quick reference guide; setup poster; start-up software; power cord
Manufacturer Warranty	One-year limited hardware warranty

Additional specifications

Accessories	HP DesignJet 3-in Core Adapter CN538A, HP SD Pro 44-in Scanner G6H50B, HP HD Pro 42-in Scanner G6H51B, HP Jetdirect 640n Print Server J8025A, HP DesignJet 44-in Spindle Q6709A
Acoustic power emissions (active, printing)	6.0 B(A) (operating), 5.0 B(A) (idle), 3.9 B(A) (sleep)
Acoustic pressure emissions	42 dB(A) (operating), 32 dB(A) (idle), 22 dB(A) (sleep)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Color Stability	< 1 dE2000 in less than 5 minutes
Color Stability Note	With HP Premium Instant Dry Photo Satin media with HP Vivid Photo Inks, right after calibration
Color(s) of printing supplies	Cyan, magenta, chromatic red, yellow, matte black, photo black
Datasheet photo 1	Publication photos/HP DesignJet Z5600 PostScript® Printer_main.JPG
Datasheet photo 3	Publication logos/AMS_Epeat bronze.jpg
Eco label	ENERGY STAR® qualified
Electromagnetic compatibility	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
Finished output handling	Two automatic roll feeds; smart roll-switching; sheet feed; media output bin; automatic cutter (Cuts all HP Z-series printer qualified media except canvas. For qualified media, see http://www.hp.com/go/mediasolutionslocator .)
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E))
Guaranteed minimum line width	0.0031 in (ISO/IEC 13660:2001(E))
Guaranteed minimum line width footnote	Measured on HP Matte Film
Guaranteed minimum line width footnote	Measured on HP Matte Film
HP ePrint capability	Yes
Ink drop	4 pl (pK, C), 6 pl (M, Y, mK, R)
Ink types	Pigment-based
Internal Storage	320 GB
Line accuracy	±0.1%
Line accuracy note	±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
Maximum Memory	64 GB (virtual)
Media sizes standard (metric rolls)	210 to 1118-mm wide sheets; 279 to 1118-mm rolls

Media sizes standard (sheets, rolls)	8.3 to 44-in wide sheets; 11 to 44-in rolls
Media sizes supported	A, B, C, D, E
Media sizes supported	A4; A3; A2; A1; A0
Media sizes, custom	210 x 279 to 1118 x 1676 mm
Media sizes, custom	8.3 x 11 to 44 x 66 in
Media thickness	Up to 31.5 mil
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Media weight, recommended	80 to 495 g/m ²
Media width, maximum	44 in
Media width, maximum	1118 mm
Memory	64 GB (virtual) (Based on 640 MB RAM)
Model size	1118 mm
Model size	44 in
Network ready	Standard
Non-Operating Humidity Range	0 to 95% RH
Non-printable area (cut-sheet)	5 x 17 x 5 x 5 mm
Non-printable area (cut-sheet)	0.2 x 0.67 x 0.2 x 0.2 in
Non-printable area (roll media)	5 x 5 x 5 x 5 mm (borderless on photo roll media)
Non-printable area (roll media)	0.2 x 0.2 x 0.2 x 0.2 in (borderless on photo roll media)
Number of print cartridges	6 (cyan, magenta, chromatic red, yellow, matte black, photo black)
Operating humidity range	20 to 80% RH
Operating temperature range	5 to 40°C
Operating temperature range	41 to 104°F
Package dimensions (W x D x H)	1930 x 770 x 720 mm
Package dimensions (W x D x H)	76 x 30.3 x 28.3 in
Package weight	263.5 lb
Package weight	119.5 kg
Power	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Print Technology	Ink
Print cartridge volume delivered	HP 745 Ink Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (300 ml); HP 745 Ink Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (130 ml)
Print head nozzles	2112
Print heads	3 (photo black and cyan, magenta and yellow, matte black and chromatic red)

Print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP PCL 3 GUI, HP-GL/2, and HP-RTL
Print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000
Print repeatability note	With HP Premium Instant Dry Photo Satin media with Original HP inks, right after calibration
Print speed	60 m ² /hr
Print speed	650 ft ² /hr
Print speed color image (best, glossy paper)	76 ft ² /hr
Print speed color image (best, glossy paper)	7 m ² /hr
Print speed color image (draft, coated paper)	48 m ² /hr
Print speed color image (draft, coated paper)	520 ft ² /hr
Print speed color image (normal, coated paper)	184 ft ² /hr
Print speed color image (normal, coated paper)	17 m ² /hr
Print speed color image (normal, glossy paper)	96 ft ² /hr
Print speed color image (normal, glossy paper)	8.9 m ² /hr
Print speed footnote (metric)	Maximum rate of output for color image 100% color coverage (Bandes file). Printed in Fast mode with Economode on, on HP Bright White Inkjet Paper (Bond), maximum roll size, with HP Vivid Photo Inks.
Print speed note (imperial)	Maximum rate of output for color image 100% color coverage (Bandes file). Printed in Fast mode with Economode on, on HP Bright White Inkjet Paper (Bond), maximum roll size, with HP Vivid Photo Inks.
Print technology	HP Thermal Inkjet
Printer drivers included	HP-GL/2, HP-PCL3GUI drivers for Windows and Mac OS X; PostScript drivers for Windows and Mac OS X
Printing path	Printer driver, HP Embedded Web Server, direct printing from USB flash drive, email printing, HP DesignJet Click printing software
Product brand name	HP
Product logos	Adobe PostScript 3; ENERGY STAR; EPEAT Bronze; Gold IPv6 Ready; Hi-Speed USB; Mac; PANTONE Digital Color; Windows 10 Compatible
Recommended installation method	Professional installation is recommended
Roll external diameter	5.3 in
Roll external diameter	135 mm
Roll maximum input	2
Roll maximum weight	13.5 kg

Roll maximum weight	29.8 lb
Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia/Kazakhstan/Belarus (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
Storage temperature range	-25 to 55°C
Storage temperature range	-13 to 131°F
Supported Primary Applications	Maps; Orthophotos; Point of sale/display; Graphics design; Posters; Banners; Exhibition and event graphics; Light boxes - film
Technology logo, print 1	Publication logos/logos HP.jpg
Technology logo, print 2	Publication logos/AMS_EnergyStar.jpg
Technology logo, print 3	Publication logos/Pantone.jpg
Technology logo, print 4	Publication logos/AMS_mac_hires.jpg
Technology logo, print 5	Publication logos/IPv6 logo new.jpg
Technology logo, print 6	Publication logos/EN_W10-Comp_rgb_Blue1_logo.JPG
Technology logo, print 7	Publication logos/AdobePostscript3.jpg
Technology logo, print 8	Publication logos/USBhiColour_new.jpg
Theoretical minimum line width	0.0015 in (HP-GL/2 addressable)
Theoretical minimum line width	0.04 mm (HP-GL/2 addressable)
UNSPSC code	43212104
Web address for additional information	http://www.hp.com/go/designjetz5600

Ink/Toner/Paper/Printer Supplies

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 744 Magenta/Yellow DesignJet Printhead	F9J87A
HP 744 Matte Black/Chromatic Red DesignJet Printhead	F9J88A
HP 744 Photo Black/Cyan DesignJet Printhead	F9J86A
HP 745 130-ml DesignJet Chromatic Red Ink Cartridge	F9K00A
HP 745 130-ml DesignJet Cyan Ink Cartridge	F9J97A
HP 745 130-ml DesignJet Magenta Ink Cartridge	F9J95A
HP 745 130-ml DesignJet Matte Black Ink Cartridge	F9J99A
HP 745 130-ml DesignJet Photo Black Ink Cartridge	F9J98A
HP 745 130-ml DesignJet Yellow Ink Cartridge	F9J96A
HP 745 300-ml DesignJet Chromatic Red Ink Cartridge	F9K06A
HP 745 300-ml DesignJet Cyan Ink Cartridge	F9K03A
HP 745 300-ml DesignJet Magenta Ink Cartridge	F9K01A
HP 745 300-ml DesignJet Matte Black Ink Cartridge	F9K05A
HP 745 300-ml DesignJet Photo Black Ink Cartridge	F9K04A
HP 745 300-ml DesignJet Yellow Ink Cartridge	F9K02A

Accessories

Paper Handling

★ : Recommended

Roll Core Adapters

HP DesignJet 3-in Core Adapter

CN538A

Spindles

HP DesignJet 44-in Spindle

Q6709A

Scanners/Copiers/Faxes

Scanners

★ : Recommended

Large Format Scanners

HP HD Pro 2 42-in Scanner	5EK00A	
HP HD Pro 2 42-in Scanner	5EK00D	
HP SD Pro 2 44-in Scanner	5EK01A	
HP SD Pro 2 44-in Scanner	5EK01D	
HP SD Pro 44-in Scanner	G6H50B	obsolete
HP SD Pro 44-in Scanner	G6H50D	obsolete

Services

HP Care Pack Services

★ : Recommended

Graphics Solutions Care Pack Services

HP Maintenance Kit Replacement Service for Z2600 and Z5600 (PMK2)	U9HX6E
HP Maintenance Kit Replacement Service for Z2600 and Z5600 (PMK3)	U9HX9E
HP Maintenance Kit Replacement Service for Z5600 (PMK1)	U9HX8E

Disclaimer — Copyright

© Copyright 2022 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Generated by Dynamic Collateral Tool – (us-en) – Nov 12, 2022 12:59 AM UTC+0000