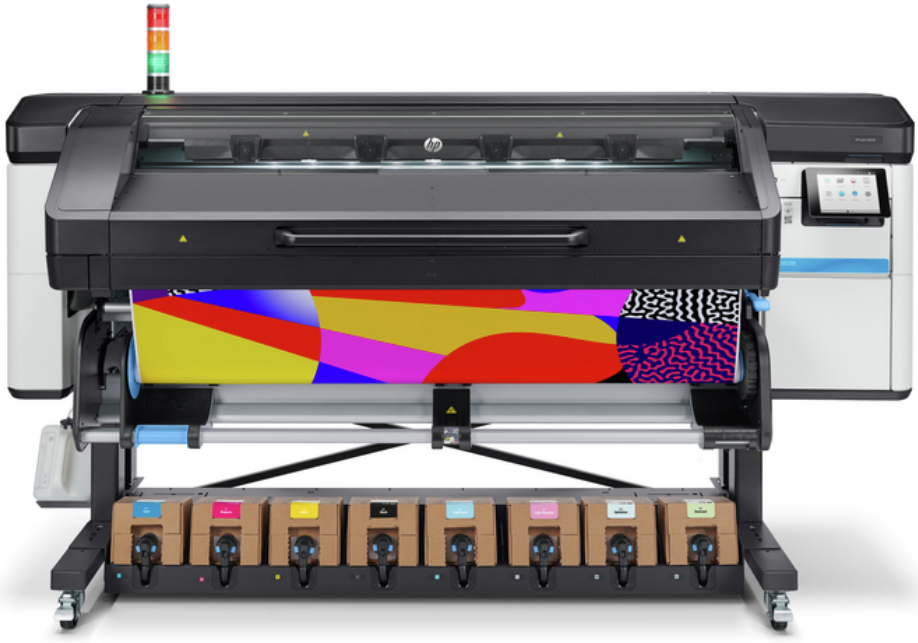
Datasheet

HP Latex 800 Printer

Grow with high-value jobs and high-productivity printing—and sharpen your sustainability edge



Win the high-value jobs you are after

- Deliver vivid colours at high speed and get striking contrast using pure blacks.
- Expect reliable, sharp 4-point text with HP Latex printheads featuring 10-picoliter ink drops.
- Choose from a wide application range covering banners/textiles/poster paper, canvas, wallpaper, and vinyl.

Robust, smart, and productive printing

- Drive high productivity with saturated colour at speeds up to 36 m²/hr outdoor[1], easy spindle-less loading.
- Control print operations virtually anytime, anywhere with HP PrintOS tools, and grow with HP Learn trainings.
- Work fast processing reprints and multi-copy jobs with a smart front panel, and store up to 100 jobs.
- Help reduce running costs with cost-effective 3-liter HP ink cartridges, changed while the printer runs.

Sharpen your sustainability edge with HP Latex

- Innovative water-based HP Latex Inks—no HAPs[2], no required hazard warning labels, and odorless prints.[3]
- Local HP Eco-Carton outer carton recycling.[4]
- Choose from a wide range of compatible eco-conscious media.[5]
- HP Latex prints are recyclable, returnable, or non-hazardous and safe for disposal.[6]

For more information, please visit http://www.hp.com/go/latex800series

Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at https://hplatexknowledgecenter.com/

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: http://www.hp.com/go/learnaboutsupplies

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[1] Outdoor mode (Banner) 4-pass, 100%. Based on internal HP testing in September 2020 on Avery 3001. Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.
[2] HP Latex Inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected.
[3] There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print.
[4] The ink cartridge outer carton is 100% recyclable through local cardboard/paper programs.
[5] See http://www.hp.com/go/mediasolutionslocator.
[6] Most HP large format paper-based printing materials can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the free, convenient HP Large Format Media take-back program. Programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details. HP large format printing materials, both unprinted and printed with Original HP Latex Inks, are non-hazardous and safe for disposal. Contact your local waste management authority for local area-specific instructions.

Technical specifications

Print

Printing modes	122 m²/hr - Max Speed (1-pass) 36 m²/hr - High Speed (4-pass) 25 m²/hr - Production Fast (6-pass) 20 m²/hr - Production Quality, Textiles and Backlits (8-pass) 17 m²/hr - High Saturation (12-pass) 14 m²/hr - High Saturation Backlits and Textiles (14-pass)[1]
Print resolution	Up to 1200 x 1200 dpi
Ink types	Water-based HP Latex Inks
Ink cartridges	8 (black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer, HP Overcoat)
Cartridge size	3 L
Printheads	8 (2 cyan/black, 2 magenta/yellow, 2 light cyan/light magenta, 1 HP Latex Optimizer, 1 HP Overcoat)
Long-term print-to-print repeatability	95% of colours ≤ 1.5 dE2000[2]

Media

Handling	Roll feed, take-up reel, wiper roller[3], automatic horizontal cutter (for vinyl, banner and canvas[4], paper-based media, and film)
Media types	Banners, self-adhesive vinyls, films, fabrics, papers, wall coverings, canvas, synthetics, mesh, textiles[5]
Roll size	254 to 1625-mm rolls (580 to 1625-mm rolls with full support)
Roll weight	55 kg
Roll diameter	250 mm
Thickness	Up to 0.5 mm
Applications	Banners; Displays; Exhibition and event graphics; Exterior signage; Indoor posters; Interior decoration; Light boxes - film; Light boxes - paper; Murals; POP/POS; Posters; Textile; Vehicle graphics; Window graphics; Stickers

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)

Dimensions (w x d x h)

Printer	2583 x 866 x 1402 mm
Shipping	2753 x 1100 x 1666 mm
Operating area	2793 x 2100 mm

Weight

Printer	292 kg
Shipping	430 kg
What's in the box	HP Latex 800 Printer, printheads, maintenance cartridge, printer stand, take-up reel, user maintenance kit, edge holders, quick reference guide, setup poster, documentation software, power cords, air purgers, 2-in spindle adaptor

Environmental ranges

Operating temperature	15 to 30ºC
Operating humidity	20 to 80% RH (non-condensing)

Acoustics

Sound pressure	60 dB(A) (operating), 38 dB(A) (idle), <20 dB(A) (sleep)
Sound power	7.8 B(A) (operating), 5.5 B(A) (idle), <3.5 B(A) (sleep)

Power

Consumption	1.8-2.8 kW (5 kW peak) (printing), 105 W (ready)
Requirements	Input voltage (auto ranging) 200-240 V (±10%) two wires and PE; 50/60 Hz (±3 Hz); two power cords; 16 A max per power cord

Certification

Safety	IEC 60950-1+A1+A2 compliant; IEC 62368-1 compliant; USA and Canada (CSA listed); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); China (CCC)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC), China (CCC)
Environmental	ENERGY STAR®; RoHS (WEEE, EU, EAEU, China, Korea, India, Ukraine, Turkey); REACH; EPEAT Silver; OSHA; CE marking compliant; Meets AgBB criteria; French VOC A+; Greenguard Gold; UL Ecologo; ZDHC - Level 1
Warranty	One-year limited hardware warranty

Ordering information

Product

Y0U21A	HP Latex 800 Printer

Accessories

21V10A	HP Latex 700/800 User Maintenance Kit
7HR16A	HP Latex 700/800 Textile Kit Accessory
7HR18A	HP Latex 700/800 Ink Collector Foams Kit
7HR19A	HP Latex 700/800 Media Loading Accessory
T7U73A	HP Latex 500/700/800 Wiper Roller

Original HP printing supplies

4UU94A	HP 836 Optimizer Latex Printhead
4UU96A	HP 836 Latex Maintenance Cartridge
4UV84A	HP 873 3-liter Black Latex Ink Cartridge
4UV85A	HP 873 3-liter Cyan Latex Ink Cartridge
4UV86A	HP 873 3-liter Magenta Latex Ink Cartridge
4UV87A	HP 873 3-liter Yellow Latex Ink Cartridge
4UV88A	HP 873 3-liter Light Cyan Latex Ink Cartridge
4UV89A	HP 873 3-liter Light Magenta Latex Ink Cartridge
4UV90A	HP 873 3-liter Optimizer Latex Ink Cartridge
4UV91A	HP 873 3-liter Overcoat Latex Ink Cartridge
4UV95A	HP 836 Black/Cyan Latex Printhead
4UV96A	HP 836 Magenta/Yellow Latex Printhead
4UV97A	HP 836 Light Cyan/Light Magenta Latex Printhead
4UV98A	HP 836 Overcoat Latex Printhead

Original HP large format printing materials

HP PVC-free Wallpaper (UL GREENGUARD GOLD Certified[6], FSC® certified[7], meets AgBB criteria[8])
HP Photo-realistic Poster Paper
HP Premium Satin Canvas
HP Prime Matte Air GP (REACH compliant[9])
HP Premium Removable Gloss Adhesive Vinyl (REACH compliant[9])

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

Service and Support

U13DBE HP 2 year Next Business Day with Defective Media Retention
U13DGE HP 3 year Next Business Day with Defective Media Retention
U13DLPE HP 1 year Post Warranty Next Business Day with Defective Media Retention
U13DRPE HP 2 year Post Warranty Next Business Day with Defective Media Retention

ECO highlights

- Inks do not use reactive monomer chemistry, are ozone-free, and meet the ZDHC standard[1]
- Can win new business with odorless prints, UL ECOLOGO®/UL GREENGUARD Gold Certified ink, and more[2]
- High-volume 3-liter HP Eco-Carton ink cartridges—carton-based design significantly reduces plastic

Please recycle printing hardware and eligible printing supplies and prints. Find out how at our website: http://www.hp.com/ecosolutions

[1] See http://www.roadmaptozero.com. Printing with HP Latex Inks avoids the problematic reactive monomers associated with UV printing. Acrylate monomers present in uncured UV inks and UV-gel inks can damage skin.
[2] There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print. For certifications, see http://www.ul.com/EL and http://www.ul.com/gg.

[1] Print speeds may vary due to the adaptive printing mechanism to avoid image quality defects.
[2] The colour variation between printed jobs has been measured at 12 pass mode on vinyl media following best practices for tiling layouts and within this limit: 95th percentile of pairwise colour differences (95% of colours) ≤ 1 dE2000. Reflective measurements on a 943 colour target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colours may experience variations above 1 dE2000. Backlit substrates measured in transmission mode may yield different results.
[3] Wiper roller is an optional accessory.
[4] Automatic horizontal cutter is for use with thinner banners and canvas only. It is recommended to perform a test.
[5] Textile Kit Accessory required for long runs of textile and porous textile.
[6] UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit http://www.ul.com/gg or http://www.greenguard.org.
[7] Trademark license code FSC-C115319.
[8] With HP Latex Inks, prints meet AgBB criteria for health-related evaluation of VOC emissions. See http://umweltbundesamt.de/en/topics/health/commissions-working-groups/committee-for-health-related-evaluation-of-building.
[9] This product does not contain substances listed as SVHC (155) per Annex XIV of the EU REACH directive published as of June 16, 2014 in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Declaration published at HP Printing Products and Consumable Supplies.

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eu-en January 2021