Datasheet

HP Latex 700 W Printer

Win high-value jobs, equipped with white ink, and sharpen your sustainability edge with HP Latex

Access white and produce the highest value jobs

- Extend your portfolio into high-margin stickers and window graphics with the whitest white.[1]
- Print white without complexity—automatic recirculation and printhead cleaning reduce manual purging.
- Deliver vivid colors at high speed, get striking contrast using pure blacks, and expect sharp 4-point text.
- Choose from a wide application range covering banners/textiles/poster paper, canvas, wallpaper, and vinyl.

Beat your deadlines with smart, efficient printing

- Fast saturated color up to 31 m²/hr outdoor, 21 m²/hr indoor.[2]
- 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.
- Enjoy fast and easy spindle-less loading and media access for rolls up to 55 kg.

Sharpen your sustainability edge with HP Latex

- Innovative water-based HP Latex Inks—no HAPs[3], no required hazard warning labels, and odorless prints.[4]
- Zero landfill—local outer carton recycling, free take-back of inner ink bag/printhead, HP Planet Partners.[5]
- Choose from a wide range of compatible eco-conscious media.[6]
- HP Latex prints are recyclable, returnable, or non-hazardous and safe for disposal.[7]

For more information, please visithttp://www.hp.com/go/latex700series

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

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

[1] Whitest white based on ISO/DIS 23498 compared to competitive alternatives using solvent and UV technologies under $50,000 USD as of May, 2020. Test performed on black opaque self-adhesive vinyl (L*:4.16 – a:0,48–b:2,34) with 160% UF printmode using HP 832 1-liter White Latex Ink Cartridge. Visual opacity = 91%.
[2] Outdoor mode (Banner) 4-pass, 100%. Indoor mode (SAV) 6-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.
[3] 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.
[4] 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.
[5] The ink cartridge HP Eco-Carton outer carton is 100% recyclable through local cardboard/paper programs. Inner materials including the ink bag are 55% recyclable and can be returned free of charge to the HP Planet Partners program for reprocessing of plastic parts. Zero landfill. For ink bag and printhead take back, visit http://www.hp.com/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.
[6] See http://www.hp.com/go/mediasolutionslocator
[7] 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	105 m²/hr - Max Speed (1-pass) 31 m²/hr - High Speed (4-pass) 21 m²/hr - Production Fast (6-pass) 17 m²/hr - Production Quality, Textiles and Backlits (8-pass) 16 m²/hr - High Saturation (12-pass) 12 m²/hr - High Saturation Backlits and Textiles (14-pass) 17 m²/hr - White Spot (60%) 9 m²/hr - White Overflood (60%) 3 m²/hr - White Underflood (100%) 2 m²/hr - 3 Layers Day & Night (160%)[1]
Print resolution	Up to 1200 x 1200 dpi
Ink types	Water-based HP Latex Inks
Ink cartridges	9 (black, cyan, light cyan, light magenta, magenta, yellow, white, HP Latex Optimizer, HP Latex Overcoat)
Cartridge size	1 L
Printheads	10 (2 cyan/black, 2 magenta/yellow, 2 light cyan/light magenta, 2 white, 1 HP Latex Optimizer, 1 HP Latex Overcoat)
Long-term print-to-print repeatability	95% of colors ≤ 1.5 dE2000[2]

Media

Handling	Roll feed, take-up reel, wiper roller[3], media saver, 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	457 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 852 x 1402 mm
Shipping	2800 x 1130 x 1270 mm
Operating area	2793 x 2100 mm

Weight

Printer	267 kg
Shipping	374 kg
What's in the box	HP Latex 700 W Printer, printheads, maintenance cartridge, ink mix containers (x2), printer stand, take-up reel, media loading accessory, user maintenance kit, edge holders, quick reference guide, documentation software, power cords, air purgers, 2-in spindle adaptor

Environmental ranges

Operating temperature	15 to 30°C
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	1.5-2.5 kW (5 kW peak) (printing), 95 W (ready)
Requirements	Input voltage (auto ranging) 200-240 V two wires and PE; 50/60 Hz (±3 Hz); two power cords; 13 A max printer power cord; 9 A max curing 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

Y0U23A	HP Latex 700 W Printer

Accessories

21V10A	HP Latex 700/800 User Maintenance Kit
421S3A	HP Latex Media Feed Accessory
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

4UU93A	HP 836 White Latex Printhead
4UU94A	HP 836 Optimizer Latex Printhead
4UU96A	HP 836 Latex Maintenance Cartridge
4UV29A	HP 832 1-liter White Latex Ink Cartridge
4UV75A	HP 832 1-liter Black Latex Ink Cartridge
4UV76A	HP 832 1-liter Cyan Latex Ink Cartridge
4UV77A	HP 832 1-liter Magenta Latex Ink Cartridge
4UV78A	HP 832 1-liter Yellow Latex Ink Cartridge
4UV79A	HP 832 1-liter Light Cyan Latex Ink Cartridge
4UV80A	HP 832 1-liter Light Magenta Latex Ink Cartridge
4UV81A	HP 832 1-liter Optimizer Latex Ink Cartridge
4UV82A	HP 832 1-liter Overcoat Latex Ink Cartridge
4UV83A	HP 832 Ink Mix Container
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

U13DCE HP 2 year Next Business Day with Defective Media Retention
U13DHE HP 3 year Next Business Day with Defective Media Retention
U13DMPE HP 1 year Post Warranty Next Business Day with Defective Media Retention
U13DSPE 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]
- Eco-Carton replaces plastic cartridge with 80% reduction in plastic, achieves 66% CO2e reduction[3]
- Zero landfill—local outer carton recycling, free take-back inner ink bag via HP Planet Partners[4]

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
[3] CO2e reduction based on moving from plastic ink cartridge to cardboard HP Eco-Carton ink cartridge, with annual manufacturing savings of 291 tons and transport savings of 8 tons. Equivalent to 1,194,028 km (741,935 miles) driven by an average passenger vehicle or over 38 million smartphones charged.
[4] The ink cartridge HP Eco-Carton outer carton is 100% recyclable through local cardboard/paper programs. Inner materials including the ink bag are 55% recyclable and can be returned free of charge to the HP Planet Partners program for reprocessing of plastic parts. Zero landfill. For take-back of ink bag/printhead/prints, visit http://www.hp.com/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction.

[1] Print speeds may vary due to the adaptive printing mechanism to avoid image quality defects.
[2] The color variation between printed jobs has been measured at 12 pass mode on vinyl media. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 1.5 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.

ca-en November 2022