HP Latex 700 W Printer (Y0U23A)

Overview

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

Print white without complexity. Get saturated color at speeds up to 334 ft²/hr outdoor.[2] Sharpen your sustainability edge with HP Latex—no HAPs[3], odorless prints[4], locally recyclable Eco-Carton outer cardboard[5], and eco-conscious media.[6]

Access white and produce the highest value jobs

Extend your portfolio into high-margin stickers and window graphics with the whitest white.[1]

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]

Beat your deadlines with smart, efficient printing

Fast saturated color up to 334 ft²/hr outdoor, 226 ft²/hr indoor.[2]

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[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.

Specifications

Print quality color (best)	Up to 1200 x 1200 dpi
Connectivity, standard	Gigabit Ethernet (1000Base-T)
Energy star certified	Yes
Minimum dimensions (W x D x H)	2583 x 852 x 1402 mm
Minimum dimensions (W x D x H)	101.7 x 33.6 x 55.2 in
Weight	267 kg
Weight	589 lb
Power consumption	1.5-2.6 kW (5 kW peak) (printing), 95 W (ready)
Environmental certification	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
What's in the box	HP Latex 700 W 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
Services (Care Pack)	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
Warranty	One-year limited hardware warranty

Additional specifications

Acoustic power emissions (active, printing)	7.8 B(A) (operating), 5.5 B(A) (idle), <3.5 B(A) (sleep)
Acoustic pressure emissions	60 dB(A) (operating), 38 dB(A) (idle), <20 dB(A) (sleep)
Color(s) of printing supplies	Black, cyan, light cyan, light magenta, magenta, yellow, white, HP Latex Optimizer, HP Overcoat
Electromagnetic compatibility	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)
Finished output handling	Roll feed, take-up reel, wiper roller[3], automatic horizontal cutter (for vinyl, banner and canvas[4], paper-based media, and film)
Ink types	Water-based HP Latex Inks
Media sizes standard (metric rolls)	254 to 1625-mm rolls (580 to 1625-mm rolls with full support)
Media sizes standard (sheets, rolls)	10 to 64-in rolls (23 to 64-in rolls with full support)
Media thickness	Up to 19.7 mil
Media thickness (metric)	Up to 0.5 mm
Media types	Banners, self-adhesive vinyls, films, fabrics, papers, wall coverings, canvas, synthetics, mesh, textiles[5]
Media width, maximum	64 in
Media width, maximum	1625 mm
Model size	64 in
Model size	1626 mm
Number of print cartridges	9 (black, cyan, light cyan, light magenta, magenta, yellow, white, HP Latex Optimizer, HP Overcoat)
Operating area	110 x 82.7 in
Operating area	2793 x 2100 mm
Operating humidity range	20 to 80% RH (non-condensing)
Operating temperature range	15 to 30ºC
Operating temperature range	59 to 86ºF
Package dimensions (W x D x H)	110.2 x 44.5 x 50 in
Package dimensions (W x D x H)	2800 x 1130 x 1270 mm
Package weight	811.3 lb
Package weight	368 kg
Power	Input voltage (auto ranging) 200-240 V (±10%) two wires and PE; 50/60 Hz (±3 Hz); two power cords; 13 A max printer power cord; 9 A max curing power cord
Print Technology	Ink

Print cartridge volume delivered	1 L
Print heads	10 (2 cyan/black, 2 magenta/yellow, 2 light cyan/light magenta, 2 white, 1 HP Latex Optimizer, 1 HP Overcoat)
Print repeatability	95% of colors ≤ 1.5 dE2000[2]
Print repeatability note	[2] The color 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 color differences (95% of colors) ≤ 1 dE2000. 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 dE2000. Backlit substrates measured in transmission mode may yield different results.
Print speed	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 speed	1130 ft²/hr - Max Speed (1-pass); 334 ft²/hr - High Speed (4-pass); 226 ft²/hr - Production Fast (6-pass); 183 ft²/hr - Production Quality, Textiles and Backlits (8-pass); 172 ft²/hr - High Saturation (12-pass); 129 ft²/hr - High Saturation Backlits and Textiles (14-pass); 183 ft²/hr - White Spot (60%); 99 ft²/hr - White Overflood (60%); 32 ft²/hr - White Underflood (100%); 22 ft²/hr - 3 Layers Day & Night (160%)[1]
Print technology	HP Latex Printing Technologies
Product logos	3M MCS Warranty; CE marking; ENERGY STAR; EPEAT green; HP water-based technology; i1 Color Technology; Roadmap to Zero; UL Ecologo; UL GREENGUARD Gold
Recommended media	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])
Roll external diameter	9.8 in
Roll external diameter	250 mm
Roll maximum input	1
Roll maximum weight	121 lb
Roll maximum weight	55 kg
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)
Supported Primary 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
UPC number	(ABG) 194441547795; (B19) 194441547764; (B1K) 194441547771; (BCD) 194441547788
Web address for additional information	http://www.hp.com/go/latex700series

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 832 1-liter Black Latex Ink Cartridge	4UV75A
HP 832 1-liter Cyan Latex Ink Cartridge	4UV76A
HP 832 1-liter Light Cyan Latex Ink Cartridge	4UV79A
HP 832 1-liter Light Magenta Latex Ink Cartridge	4UV80A
HP 832 1-liter Magenta Latex Ink Cartridge	4UV77A
HP 832 1-liter Optimizer Latex Ink Cartridge	4UV81A
HP 832 1-liter Overcoat Latex Ink Cartridge	4UV82A
HP 832 1-liter White Latex Ink Cartridge	4UV29A
HP 832 1-liter Yellow Latex Ink Cartridge	4UV78A
HP 832 Ink Mix Container	4UV83A
HP 832Y 1-liter Black Latex Ink Cartridge	4UV05A
HP 832Y 1-liter Cyan Latex Ink Cartridge	4UV06A
HP 832Y 1-liter Magenta Latex Ink Cartridge	4UV07A
HP 832Y 1-liter Yellow Latex Ink Cartridge	4UV08A
HP 836 Black/Cyan Latex Printhead	4UV95A
HP 836 Latex Maintenance Cartridge	4UU96A
HP 836 Light Cyan/Light Magenta Latex Printhead	4UV97A
HP 836 Magenta/Yellow Latex Printhead	4UV96A
HP 836 Optimizer Latex Printhead	4UU94A
HP 836 Overcoat Latex Printhead	4UV98A
HP 836 White Latex Printhead	4UU93A

Accessories

Printer Supply Accessories

★ : Recommended

Ink Supply Accessories

HP Latex 500/700/800 Wiper Roller	T7U73A
HP Latex 700/800 Ink Collector Foams Kit	7HR18A
HP Latex 700/800 Textile Kit Accessory	7HR16A

Paper Handling

Media Loading Accessories

HP Latex 700/800 Media Loading Accessory	7HR19A

Maintenance and Cleaning Kits

Maintenance Kits

HP Latex 700/800 User Maintenance Kit	21V10A

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