HP Latex 800 W Printer (3XD61A)

Overview

Win high-value jobs with white ink and productive printing—and sharpen your sustainability edge

Print white without complexity. Get saturated color at speeds up to 388 ft²/hr outdoor.[2] Sharpen your sustainability edge with HP Latex—no HAPs[3], odorless prints[4], local HP Eco-Carton outer carton recycling[5], and eco-conscious media.[6]

Expand into white, 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]

Robust, smart, and productive printing

Drive high productivity with saturated color at speeds up to 388 ft²/hr outdoor[2], easy spindle-less loading.

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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 873 3-liter White Latex Ink Cartridge. Visual opacity = 91%.

[2] 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.

[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 outer carton is 100% recyclable through local cardboard/paper programs.

[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 866 x 1402 mm
Minimum dimensions (W x D x H)	101.7 x 34.1 x 55.2 in
Weight	300 kg
Weight	661 lb
Power consumption	1.8-2.8 kW (5 kW peak) (printing), 105 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 800 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)	U13DDE HP 2 year Next Business Day with Defective Media Retention; U13DJE HP 3 year Next Business Day with Defective Media Retention; U13DNPE HP 1 year Post Warranty Next Business Day with Defective Media Retention; U13DTPE 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)	108.4 x 43.3 x 65.6 in
Package dimensions (W x D x H)	2753 x 1100 x 1666 mm
Package weight	963.4 lb
Package weight	437 kg
Power	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
Print Technology	Ink
Print cartridge volume delivered	3 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	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); 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	1313 ft²/hr - Max Speed (1-pass); 388 ft²/hr - High Speed (4-pass); 269 ft²/hr - Production Fast (6-pass); 215 ft²/hr - Production Quality, Textiles and Backlits (8-pass); 183 ft²/hr - High Saturation (12-pass); 151 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) 194441547955; (B19) 194441547924; (B1K) 194441547931; (BCD) 194441547948
Web address for additional information	http://www.hp.com/go/latex800series

Ink Supplies

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HP Graphic Arts Inks/Printheads

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
HP 873 3-liter Black Latex Ink Cartridge	4UV84A
HP 873 3-liter Cyan Latex Ink Cartridge	4UV85A
HP 873 3-liter Light Cyan Latex Ink Cartridge	4UV88A
HP 873 3-liter Light Magenta Latex Ink Cartridge	4UV89A
HP 873 3-liter Magenta Latex Ink Cartridge	4UV86A
HP 873 3-liter Optimizer Latex Ink Cartridge	4UV90A
HP 873 3-liter Overcoat Latex Ink Cartridge	4UV91A
HP 873 3-liter White Latex Ink Cartridge	4UV62A
HP 873 3-liter Yellow Latex Ink Cartridge	4UV87A
HP 873Y 3-liter Black Latex Ink Cartridge	4UV38A
HP 873Y 3-liter Cyan Latex Ink Cartridge	4UV39A
HP 873Y 3-liter Magenta Latex Ink Cartridge	4UV40A
HP 873Y 3-liter Yellow Latex Ink Cartridge	4UV41A

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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