HP Latex 630 W Printer



Embrace new possibilities with an effortlesswhite ink printing experience¹—easily.



POSSIBILITIES—HP's effortless white ink print experience¹

- Do more in your shop with the HP's easiest white ink printer¹ that adapts to your business needs.
- Produce a wide range of signage and décor jobs including applications with thin film and papers.
- Deliver stunning prints with vivid colors, smooth gradients, and sharp text at 14 m²/hr (150 ft²/hr).²

EFFORTLESS—Get it done quickly and easily

- Find peace of mind with automatic maintenance processes and user-replaceable printheads.
- Save space and time with fast and automated frontloading system.
- Easily reprint projects with job storage in the printer up to 10 GB.
- Monitor your printer from anywhere and expand your capabilities with the cloud-based HP PrintOS app.

GO BEYOND—Lead with environmental certifications³

- Contribute to a comfortable⁴ working environment with water-based HP Latex Ink technology.
- Differentiate your business with environmental certifications³—including UL ECOLOGO®⁵ and EPEAT6.
- Reduce your plastics consumption with cartonbased cartridge⁷ and labelless supplies; free recycling via HP Planet Partners.8

For more information, please visit https://www.hp.com/go/latex-630

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 HP's easiest/effortless white ink experience due to transparent ink maintenance with Automatic Ink Recirculation System between the HP Latex 832 Ink Mix and HP 832 White Latex Ink Cartridge. This ensures white ink is constantly circulating and doesn't settle. It's easy to remove the white printhead from the carriage and store it in an offline rotation chamber when not printing with white ink. This avoids unnecessary white ink waste and prevents the white printhead from getting clogged because of its dense white ink chemistry. All white printmodes are available at different white ink densities to get different levels of opacity (spot, underflood, overflood, and 3-layer—up to 260% white ink density).

2 Standard mode (Generic SAV Calendar) 6-pass, 6 colors, 110% ink density. Based on internal HP testing on MACTAC JT 8500 WG-PG. Print speed may vary due to the adaptive printing mechanism, which is designed to

avoid image quality defects

Based on internal competitive analysis with public information. Applicable to HP Latex technology compared to competitive large format printing alternatives using solvent and UV technologies. See individual product data sheets for more information at http://hp.com/go/latex

Based on odor sensory evaluation when printing with the HP Latex 630 series printer and Mimaki UJV 100-160. Tests done in a 57 sqm room with 5ACH. Test conducted by Odournet following the standard VDI3882, where the HP Latex 630 series air quality were characterized, when Printing, as "neutral" for hedonic tone compared to the Mimaki UIC 100-160.

5 UL ECOLOGO® Certified HP 832 Latex inks meet a range of stringent human health and environmental considerations. For certifications, see http://www.ul.com/EL and http://www.ul.com/gg

⁶ Applicable to select HP Latex printers. EPEAT registered where applicable/supported. See http://epeat.net for registration status by country.
7 Applicable to HP 832. Plastic reduction based on moving from plastic ink cartridge to cardboard ink cartridges, with annual manufacturing saving of 33 tons of plastic based on average units of HP 831 and HP 831A ink cartridges from 2018 to 2020.

Visit http://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 disposa

Technical specifications

PIIIIL		
Printing modes	35 m²/hr - Max Speed (2-pass) 18 m²/hr - Speed (4-pass) 14 m²/hr - Speed (4-pass) 11 m²/hr - Quality (8-pass) 11 m²/hr - Quality (8-pass) 8 m²/hr - High Saturation (12-pass) 7 m²/hr - Standard for Backlits and Textiles (14-pass) 6 m²/hr - White Spot (100%) 3 m²/hr - White Overflood (100%) 2 m²/hr - White Underflood (100%) 1 m²/hr - White Underflood (100%) 1 m²/hr - White Underflood (100%)	
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	1L	
Printheads	6 (1 cyan/black, 1 magenta/yellow, 1 light cyan/light magenta, 1 white, 1 HP Latex Optimizer, 1 HP Latex Overcoat)	
Long-term print-to-print repeatability	95% of colors < 3 dE2000 ²	
Media		
Handling	Roll feed, take-up reel, automatic horizontal cutter (for vinyl, banner and canvas³, paper-based media, and film)	
Media types	Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas, synthetics, (fabrics, mesh, textiles, and any other porous materials require a liner)	
Roll size	457 to 1625-mm rolls (580 to 1625-mm rolls with full support)	
Maximum roll weight	42 kg	
Maximum roll diameter	250 mm	
Thickness	Up to 0.5 mm	
Applications	Banners, Customizable clothing, Displays, Exhibition and event graphics, Exterior signage, Floor graphics, Indoor posters, Interior decoration, Labels and stickers, Light boxes - film, Light boxes - paper, POP/POS, Posters, Vehicle graphics, Wall decals, Window graphics	
Connectivity		
Interfaces	Gigabit Ethernet (1000Base-T)	
Dimensions (W x D	0 x H)	
Printer	2603 x 844 x 1405 mm	
Shipping	2800 x 1130 x 1271 mm	
Operating area	2793 x 2100 mm	
Weight		
Printer	236 kg	
Shipping	353 kg	
What's in the box	HP Latex 630 W Printer, printheads, maintenance cartridge, printer stand, take-up reel, user maintenance kit, edge holders, quick reference guide, HP SAi Flexi RIP Basic Software, documentation software, power cords, air purgers, 2-in spindle adaptor	
Environmental ran	nges	
Operating temperature	15 to 30℃	
Operating humidity	20 to 80% RH (non-condensing)	
Acoustics		
Sound pressure	55 dB(A) (operating), 38 dB(A) (idle), <20 dB(A) (sleep)	
Sound power	7.5 B(A) (operating), 5.5 B(A) (idle), <4 B(A) (sleep)	
Power		
Consumption	0.9 – 2.0 kW (2.9 kW peak) (printing), 60 W (ready), <4.5 W 4 (sleep) (<15 W 5 with DFE)	
Requirements	Input voltage (auto ranging) 200-240 V (±10%) two wires and PE; 50/60 Hz (±3 Hz); two power cords; 5 A max printer power cord; 12 A max curing power cord	
Certification		
Safety	IEC 62368-1 2nd and 3rd ed and IEC 60950-1+A1+A2 compliant;; USA and Canada (CSA listed); EU (LVD, EN 60950-1 and EN 62368-1 compliant); 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; OSHA; CE marking compliant	
Warranty	One-year limited hardware warranty	

Ordering information

171K6A	HP Latex 630 W Printer	
Accessories	5	
171K8A	HP Latex 630 Output Platen Protector Accessory	
21V10A	HP Latex 600/700/800 User Maintenance Kit	
421S3A	HP Latex Media Feed Accessory	
7HR19A	HP Latex 630/700/800 Media Loading Accessory	

Original HP printing supplies

4UU93A	HP 836 White Latex Printhead	
4UU94A	HP 836 Optimizer Latex Printhead	
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	
4UV99A	HP Latex Maintenance Cartridge	
Original HP large format printing materials		

HP Recycled⁶ Removable Adhesive Fabric, 3-in Core (Latex/solvent): REACH compliant⁷
HP Recycled⁸ Satin Canvas, 3-in Core (Latex/solvent): REACH compliant⁷
HP Premium Poster Paper: FSC⁶ certified⁹
HP PVC-free¹⁰ Wall Paper: UL GREENGUARD GOLD Certified¹¹, FSC⁶ certified⁹, meets AgBB criteria¹²

HP Permanent Gloss Adhesive Vinyl: REACH compliant HP Prime Gloss Air GP: REACH compliant 7

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

Service and Support

U67E7E HP 2 year Plus Service Plan Hardware Support w/DMR U67E8E HP 3 year Plus Service Plan Hardware Support w/DMR U67F0E HP 5 year Plus Service Plan Hardware Support w/DMR U67F1PE HP 1 year Post Warranty Plus Service Plan Hardware Support w/DMR U67F1PE HP 2 year Post Warranty Plus Service Plan Hardware Support w/DMR

Print speeds may vary due to the adaptive printing mechanism to avoid image quality defects. Print mode names may vary depending on the media or application.

The roof or 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 D5 014-6/E.2012.5% of colors may experience variations above 3 dE2000. Backlit substrates measured in transmission mode may yield different results.

Automatic horizontal cutter is for use with thinner banners and canvas only. It is recommended to perform a test. 4 Excluding Type 2 DFE (Digital Front End) as defined in Energy Star® Product Specification for Imaging Equipment version 3.1.

version 3.1.

5 Total power measured in sleep mode including the Digital Front End contained on the product.

6 Product consists of PET fabric and coatings. With liner attached, 72% by weight of the product consists of recycled content. Base material fabric is made from 100% recycled resin.

7. As of the date of this document, this product does not contain any of the chemicals on the EU's Candidate List for Authorization (otherwise known as Substances of Very High Concern) in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Article 33 Declaration published at HP Printing Products (Consumable Sunplies).

determine the status of SVHC in HP products, see the HP REACH Article 33 Declaration published at HP Printing Products and Consumable Supplies.

8 62% by weight of the product consists of recycled content. Base material fabric is made from 100% recycled resin. Certified according to Global Recycled Standard (GRS) Version 3.0, March 2017.

9 Trademark license code FSC-C115319.

10 Chemical analysis demonstrated elemental chlorine to be below 200 ppm. Presence of chlorine is attributed to residual chlorine used in the papermaking process, and not due to the presence of PVC.

11 HP PVC-Free Wall Paper printed with HP Latex lisk is UL GREENGUARD GOLD Certified. UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to ULS GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit http://ul.com/gg

12 With HP Latex links, prints meet 4gBB criteria for health-related evaluation of VOC emissions. See http://urnweltbundesamt.de/en/topics/health/commissions-working-groups/committee-for-health-related-evaluation-of-building













au-en September 2023



