# HP Latex 830W Printer

## Maximize productivity and deliver high-value jobs with consistent quality

*Product image may differ from actual product

### CONSISTENT QUALITY—Produce high-value applications

- Deliver stunning prints with uniform colors via precise HP Pixel Control ink mixing and distribution.
- Achieve consistent quality across jobs and create color profiles with the HP Embedded Spectrophotometer.
- With HP Latex Inks, print a wide range of signage and décor jobs, now with automated double-sided printing[1].
- Expand into profitable new applications with the easiest white ink experience[2], 30% faster[3] in underflood, 3 layers and 5 layers.

### ENHANCED PRODUCTION—Optimize productivity and cost

- Reduce inventory management with universal printheads and the new 50% extended life maintenance cartridge[4].
- Help reduce running costs with 3-liter HP ink cartridges that you can change while the printer runs.
- Reach production speeds up to 388 ft² (36 m²)/hour[5] and avoid waiting times with prints that dry instantly.
- Streamline your print workflow with our intuitive end-to-end software solution: HP PrintOS Production Hub.[6]

### LEAD THE WAY—Win with sustainable solutions

- Create a comfortable workspace[7] with odorless prints[8] and UL ECOLOGO®-certified[9] HP Latex Inks.
- Advance your sustainability journey with our unique HP PrintOS Sustainability Amplifier[10] software.
- Reduce plastic waste with returnable supplies via HP Planet Partners[11]—including new maintenance cartridge.
- Stand out in the market with the only EPEAT Climate+[12] registered printers in the signage industry.

## Messaging Footnotes

[1] Automated double-sided printing compatible with PVC-free media.
[2] Automatic White Ink Recirculation System between the HP Latex 832 Ink Mix and HP 832/873 White Latex Ink Cartridge. When not printing with white ink remove the white printheads from the carriage and store them in the offline rotation chamber, avoiding unnecessary white ink waste. White print modes (spot, underflood, overflood, 3 layers, and 5 layers) are available with white ink densities up to 260%.
[3] Faster white ink printing in underflood, 3 layers and 5 layers white modes compared to HP Latex 700 and 800 Printer series thanks to new drying system with extra drying capacity. Test conducted in January 2025.
[4] At least 50% more life thanks to a 40% longer cleaning cloth and new ink collection unit that uses 100% of the cleaning cloth compared to previous maintenance cartridge model.
[5] Draft mode (4-pass, 4 color, 90% ink density). Based on internal HP testing in January 2025 on Avery 3001. Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.
[6] For HP's large-format printers, HP PrintOS Production HUB is compatible with HP Latex printers and the HP Stitch Printer series. HP PrintOS Production HUB premium features are only accessible when purchasing an HP Professional Print Service Plus Plan.
[7] Based on odor sensory evaluation when printing with the HP Latex 630 series printer and Mimaki UJV 100-160. Tests done in a 57 m² 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 UJV 100-160. HP Latex 730/830 printers are using the same inks and are in the same category as the HP Latex 630.
[8] Applicable to HP Latex Inks. Based on sensory evaluations conducted by Odournet, done according to VDI Guideline 3882 where 832 inks were characterized as "weak" in odor intensity and "neutral" for hedonic tone. 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.
[9] UL ECOLOGO® Certified HP 832 inks meet a range of stringent human health and environmental considerations. For certifications, see www.ul.com/EL and www.ul.com/gg
[10] The HP Sustainability Amplifier program helps customers reduce their environmental impact through self-assessment, resources, and recognition with an HP badge, not an official eco-label. Recognition is subject to approval for credibility. Program is only available in English.
[11] Program availability varies. For details, see hp.com/hprecycle
[12] The HP Latex 730 and 830 series is EPEAT Gold in the U.S. and Canada and has achieved EPEAT Climate+. See www.epeat.net for registration status and tier levels by country. As of January 2025, no other competitors in the signage market have been registered in EPEAT.

HP Pixel Control | HP Embedded Spectrophotometer

Datasheet

# Technical specifications

## Print

| | |
|---|---|
| **Print speed** | 36 m²/hr – Draft (4-pass) in Banner[1]; 25 m²/hr – Speed (6-pass)[2]; 20 m²/hr - Standard (8-pass)[2]; 17 m²/hr - Quality (12-pass)[2]; 11 m²/hr - High Quality (16-pass)[2]; 17 m²/hr - White Spot 60w[2]; 9 m²/hr - White Overflood 60w[2]; 4.4 m²/hr - White Underflood 100w[2]; 3 m²/hr - White 3 layers 160w[2];1.5 m²/hr - White 5 layers[2]; |
| **Print resolution** | Up to 1200 x 1200 dpi |
| **Technology** | HP Latex Printing Technologies |
| **Ink types** | Water-based HP Latex Inks |
| **Cartridge size** | 9 (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Optimizer, Overcoat) cartridges |
| **Ink cartridges** | 3 L per cartridge |
| **Printheads** | 10 (7 HP Latex Printhead, 1 HP Latex Optimizer, 2 HP Latex White Printhead) |

## Media

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|---|---|
| **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 |
| **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) |
| **Maximum media width** | 1625 mm; |
| **Media rolls** | 1 |
| **Roll size** | 419 to 1625-mm rolls (580 to 1625-mm rolls with full support); |
| **Maximum roll weight** | 55 kg; |
| **Maximum roll diameter** | 250 mm |
| **Thickness** | Up to 0.5 mm; |
| **Media types** | Banners, self-adhesive vinyls, films, fabrics, papers, wall coverings, canvas, synthetics, mesh, textiles[5] |

## Connectivity

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|---|---|
| **Interfaces** | Gigabit Ethernet (1000Base-T) |

## Dimensions (W x D x H)

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|---|---|
| **Product** | 2583 x 866 x 1402 mm; |
| **Shipping** | 2753 x 1100 x 1666 mm; |
| **Operating area** | 2793 x 2100 mm; |

## Weight

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|---|---|
| **Product** | 300 kg; |
| **Shipping** | 438 kg; |

## Included

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|---|---|
| **What's in the box** | HP Latex 830 W Printer, printheads, maintenance cartridge with ink collection unit, additional ink collection unit, Condensation collector kit, power cords, Beacon accessory, manual purge syringe kit, dry bag for white ink purge, user maintenance kit, edge holders, 2-in spindle adaptor, lubrication felts kit, quick reference guide, documentation software, spanner size 17, screwdriver t-25 |

## Environmental ranges

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|---|---|
| **Operating temperature** | 15 to 30°C; |
| **Operating humidity** | 20 to 80% RH (non-condensing) |

## Acoustics

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|---|---|
| **Sound pressure** | Printing: 60 dB(A) (operating), 38 dB(A) (idle), <20 dB(A) (sleep) |
| **Sound power** | Printing: 7.8 B(A) (operating), 5.5 B(A) (idle), <4.0 B(A) (sleep) H |

## Power

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|---|---|
| **Consumption** | 1.5-2.5 kW (5 kW peak) (printing), 95 W (ready), , <19 W (sleep), <0.25 W (off) |
| **Requirements** | Input voltage (auto ranging) 200-240 V 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, OSHA, CE marking compliant, Meets AgBB criteria, French VOC A+, UL GREENGUARD Gold, UL ECOLOGO |
| **Warranty** | One-year limited hardware warranty |

# Ordering information

| Product | |
|---|---|
| 870C0A | HP Latex 830W Printer |

| Accessories | |
|---|---|
| 21V10A | HP Latex 700/800 User Maintenance Kit |
| 421S3A | HP Latex Media Feed Accessory |
| 7HR18A | HP Latex 700/800 Ink Collector Foams Kit |
| 7HR19A | HP Latex 700/800 Media Load Accessory |
| A14CFA | HP Latex 730/830 Wiper Roller Inst. Kit |
| A4AN0A | HP Latex 730/830 Textile Kit Accessory |
| A4AN1A | HP Latex Edge Holders Accessory |
| T7U73A | HP Latex 500 Wiper Roller |

| Original HP printing supplies | |
|---|---|
| 4UU93A | HP 836 White Latex Printhead |
| 4UU94A | HP 836 Optimizer Latex Printhead |
| 4UU95A | HP 836 Universal Latex Printhead |
| 4UV62A | HP 873 3-liter White Latex Ink 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 Lt Cyan Latex Ink Cartridge |
| 4UV89A | HP 873 3-liter Lt Magenta Latex Ink Cartridge |
| 4UV90A | HP 873 3-liter Optimizer Latex Ink Cartridge |
| 4UV91A | HP 873 3-liter Overcoat Latex Ink Cartridge |
| 9T063A | HP 838 Latex Maintenance Cartridge |
| 9T064A | HP 833/838 Latex Ink Collection Unit 2-unit Pack |

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPinks

**Original HP large format printing materials**

HP PVC-free Wall Paper (REACH compliant[6], UL **GREENGUARD** Gold Certified[7], FSC® certified[8], meets AgBB criteria[9], CE[10], UKCA[11], PVC-free[12],)
HP Permanent Gloss Adhesive Vinyl (REACH compliant[6])
HP Recycled[13] Removable Adhesive Fabric, 3-in Core (Latex/solvent)
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

**Service and Support**

UG9K3E HP 2 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K4E HP 3 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K5E HP 4 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K6E HP 5 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K7PE HP 1 year Post Warranty PLUS Service Plan for HP Latex 830 White
UG9K8PE HP 2 year Post Warranty PLUS Service Plan for HP Latex 830 White

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

## Specification Footnotes

[1] Print speeds may vary due to the adaptive printing mechanism to avoid image quality defects.
[2] Printmode names in color modes are based on Self-Adhesive Vinyl applications. Names and Print speeds may vary due to the adaptive printing mechanism to avoid image quality defects and the application you produce.
[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] See the HP REACH Declaration published at https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05996997
[7] UL GREENGUARD Gold Certified prints - HP PVC-free Wall Paper printed with Original HP Latex Inks is UL GREENGUARD Gold Certified. 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 ul.com/gg or greenguard.org.
[8] FSC®certified - HP has a policy for offering Forest Stewardship Council® (FSC®)-certified papers that are sourced from FSC®-certified forests and other controlled sources. BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.
[9] AgBB - HP PVC-free Wall Paper printed with HP Latex Inks meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products. See umweltbundesamt.de/en/topics/health/commissions-working-groups/committeefor-health-related-evaluation-of-building.
[10] CE mark - Self-declared according to European Standard EN15102.
[11] UKCA compliant - Self-declared according to European Standard EN15102 and UKCA.
[12] PVC-free alternative - Based on HP internal and third-party testing chemical analysis that demonstrates elemental chlorine to be at or below 200 ppm. Presence of chlorine is attributed to residual chlorine used in the paper-making process, and not due to the presence of PVC.
[13] Product consists of PET fabric and coatings. With liner attached, 69% by weight of the product consists of recycled content. Base material fabric is made from 100% recycled resin.

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July 2025