Datasheet

HP Stitch S300 Printer

Dye-sub printing and color matching made easy

Color made easy with HP SmartColor

- Confidently distribute jobs across your fleet with best-in-class color consistency from printer to printer.¹
- Get accurate colors over time, even as environmental conditions change, with the built-in spectrophotometer.
- Automatically detect when a color is out of gamut and get the closest visual match with PANTONE® emulation.²
- Easily create color profiles in half the time, or use finished profiles from our cloud-based library.³

A versatile, safe investment

- With a single device, print on both transfer paper and direct-to-fabric¹ with great results.
- If you’ve got limited room, this front media loading printer can save you 30% floor space.
- Stay ready for production and avoid unexpected costs with preventive maintenance from HP Smart Services.

Rely on the complete solution from HP

- For your peace of mind, the printer, ink, media, and software are designed to work together perfectly.
- Get the print quality you expect with 1200 dpi resolution and the Smart Nozzle Compensation system.
- Reduce downtime and service costs. For the first time, you can replace the printheads yourself.³
- Be always ready to print outstanding quality, and reduce manual interventions, with automatic maintenance.

For more information, please visit http://www.hp.com/go/stitchs300

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: http://www.hp.com/go/learnaboutsupplies

¹ Printing on porous media—direct-to-fabric—is intended for short runs only and requires ink collector accessory.
² Automatically detects when a PANTONE® color is out of gamut.
³ Find a comprehensive list of all compatible media along with finished color profiles and printer settings at http://www.hp.com/go/mediasolutionslocator.
⁴ Based on internal and third-party testing in January, 2019 evaluating the number of interactions and time required to create a typical color profile compared to leading 64-inch dye-sublimation based textile printers available as of January, 2019.
⁵ Compared to alternative 64-inch dye-sublimation based textile printers available as of January, 2019. Only the HP Stitch S Printer series provides HP SmartColor tools and a built-in spectrophotometer for a better color management experience.
Technical specifications

Print
- Printing modes: 62 m²/hr (665 ft²/hr) - Max Speed (2-pass); 34 m²/hr (365 ft²/hr) - Production (4-pass); 22 m²/hr (240 ft²/hr) - Quality (6-pass); 17 m²/hr (185 ft²/hr) - High-Quality (8-pass)
- Print resolution: Up to 1200 x 1200 dpi
- Ink types: HP Dye Sub Inks
- Ink cartridges: 4 (cyan, magenta, yellow, black)
- Cartridge size: 775 ml
- Printheads: 4 (HP Thermal Inkjet 2 (cyan/black, 2 magenta/yellow)
- Long-term print-to-print repeatability: Average <= 1 dE2000, 90% of colors <= 1.5 dE2000

Media
- Handling: Roll feed, Take-up reel, Automatic cutter (for transfer media)
- Media types: Sublimation transfer papers, sublimation polyester fabrics, sublimation film
- Roll size: 580 to 1625 mm rolls (23 to 64 in rolls)
- Roll weight: 42 kg (92.6 lb)
- Roll diameter: 250 mm (9.8 in)
- Thickness: Up to 0.5 mm (19.7 mil)

Applications
- Interior decoration; Fashion; Sportswear; Soft signage

Connectivity
- Interfaces: Gigabit Ethernet (1000Base-T)

Dimensions (w x d x h)
- Printer: 2560 x 710 x 1380 mm (101 x 28 x 54 in)
- Shipping: 2835 x 760 x 1248 mm (111.6 x 30 x 49 in)

Weight
- Printer: 171 kg (377 lb)
- Shipping: 280 kg (617 lb)

What’s in the box
- HP Stitch S300 64-in Printer; printer stand, printheads; maintenance cartridge; 3-in spindle; take-up reel; edge holders; user maintenance kit; quick reference guide; power cords; HP Ergosoft RIP Color Edition; waste bottle

Environmental ranges
- Operating temperature: 15 to 30°C (59 to 86°F)
- Operating humidity: 20 to 88% RH (non-condensing)

Acoustics
- Sound pressure: 53 dB(A) (operating); 38 dB(A) (idle); < 16 dB(A) (sleep)
- Sound power: 7.1 B(A) (operating); 5.7 B(A) (idle); < 3.5 B(A) (sleep)

Power
- Consumption: 1 kW (printing), 80 W (standby); < 2 W (sleep)
- Requirements: input voltage auto ranging: 200-240 V ±10%; 50/60 Hz (f 3 Hz); one power cord; 13 A max

Certification
- Safety: IEC 60950-1; H1+A2 compliant; USA and Canada (cSA listed)
- Electromagnetics: Compliant with Class A requirements, including USA FCC rules; Canada ICES
- Environmental: ENERGY STAR®, WEEE, REACH, EPEAT, OSHA, CE marking compliant
- Warranty: One-year limited hardware warranty

Ordering information

Product
- JEIT2A: HP Stitch S300 64-in Printer

Accessories
- 5LX0A: HP Stitch S300/S500 Ink Collector
- 5GJ7A: HP Stitch S300/S500 User Maintenance Kit
- F0M56A: HP Latex 64-in Printer 2-in Spindle
- F0M55A: HP Latex 64-in Printer 3-in Spindle
- 7TU7A: HP Series 350/550 Ink Collector Foam Kit
- F9M63A: HP Series 350 Media Loading accessory

Original HP printing supplies
- 2L65A: HP 624 775-ml Chocolate Sublimation Ink Cartridge
- 2L65A: HP 624 775-ml Cyan Stitch Dye Sublimation Ink Cartridge
- 2L65A: HP 625 775-ml Magenta Stitch Dye Sublimation Ink Cartridge
- 2L65A: HP 625 775-ml Yellow Stitch Dye Sublimation Ink Cartridge
- 2L61A: HP 614 Stitch Dye Sublimation Printhead Cleaning Kit
- 2L62A: HP 614 Cyan and Black Stitch Dye Sublimation Printhead
- 2L63A: HP 614 Magenta and Yellow Stitch Dye Sublimation Printhead

ECO highlights
- ECO PASSPORT® certified dye sublimation inks
- ENERGY STAR® certified
- EPEAT® registered as environmentaly preferable product
- Free, convenient HP ink cartridge and printhead recycling

Please recycle large-format printing hardware and printing supplies. Find out how at our website hp.com/ecosolutions

1 Original HP Dye Sublimation inks for the HP Stitch S5 Printer series are certified ECO PASSPORT® by Oeko-Tex®, which is a globally uniform testing and certification system for textile chemicals, colorants, and auxiliaries. It consists of a two-step verification procedure that analyzes whether the compounds and each ingredient meet specific criteria for sustainability, safety, and regulatory compliance.

2 ENERGY STAR® and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

3 EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.


5 The color variation inside a printed job has been measured at 8-pass mode on transfer media and also in direct-to-fabric situations within this limit; maximum color divergence 95% of colors <= 1.5 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIE E02000 as per CIE Draft Standard 05-014-6/E2012. 5% of colors may experience variations above 1.5 dE2000. Backlit substrates measured in transmission mode may yield different results. Results are dependent on sublimation process variability.

6 Papers and hygroscopic materials. They can absorb or lose moisture depending on external humidity conditions. A low level of substrate’s moisture and external relative humidity is always recommended when printing on paper based materials. Recommended external relative humidity is between 25% to 50%.

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Published in AMS April 2019