



ESS S1804

ESS-ESDST072DA1

The ESS S1804 is a large-format sublimation plotter engineered for industrial textile production environments that demand both speed and consistent color performance. Its four-printhead configuration enables stable ink distribution across the full print width, ensuring uniform color density and precise detail reproduction during long production runs. The CMYK sublimation ink system is optimized for transfer onto polyester fabrics, delivering strong color saturation, accurate tonal rendering, and reliable fixation after heat transfer.

The system is designed for continuous high-volume operation, integrating professional RIP software for advanced color management, job queuing, and production optimization. It supports sublimation transfer papers such as Qualitex paper, allowing consistent ink absorption and clean release during the transfer process. Its industrial structure and integrated heating system provide stable media handling and controlled drying performance across different production conditions.

In terms of performance, the ESS S1804 reaches speeds of up to 83 meters per hour at 360 × 1200 dpi in draft mode, 66 meters per hour at 360 × 1800 dpi in production mode, and 45 meters per hour at 360 × 2400 dpi in quality mode. It supports a maximum print width of up to 180 cm and operates on a 220V electrical configuration with a total power consumption of approximately 3.5 kW and heater power of 2.6 kW. This configuration ensures stable, high-speed output in professional textile sublimation workflows.

TECHNICAL SPECIFICATIONS

PRINTING SYSTEM	
Technology:	Large-format sublimation inkjet printing
Number of printheads:	4 printheads
Ink configuration:	CMYK sublimation inks
Maximum print width:	Up to 180 cm (72")
PRINTING SPEED	
Draft Mode:	Up to 83 m/h (360 × 1200 dpi)
Production Mode:	Up to 66 m/h (360 × 1800 dpi)
Quality Mode:	Up to 45 m/h (360 × 2400 dpi)
Note:	Speeds may vary depending on design saturation, fabric type, and operating conditions
FORMAT & MATERIALS	
Compatible materials:	Sublimation transfer paper (Qualitex or equivalent)
Maximum roll weight:	Not specified in source
Supported file formats:	PRT, PRN, PLT
Software:	Professional RIP software
POWER & ELECTRICAL	
Total power consumption:	Approx. 3.5 Kw
Heater power consumption:	Approx. 2.6 kW
Electrical requirement:	220 V + UPS
Frequency:	50–60 Hz
WORKING ENVIRONMENT	
Operating temperature:	Not specified in source
Humidity:	Not specified in source
DIMENSIONS & WEIGHT	
Dimensions (L x W x H):	Not specified in source
Weight:	Not specified in source
Warranty:	One-year warranty