Specifications

Epson Stylus Pro 3800

Printer Weight: 43.2 lb
Dimensions: 27” x 15” x 10” (W x D x H)

Power Consumption:
- Current: 0.6 A /110 – 120 V
- Frequency: 50 – 60 Hz
- Voltage: AC 1 10 –120 V

Electrical Requirements:
- Power Off: Less than .3 W
- Standby: Less than 5 W
- Operating: Approx. 25 W

Printer Interfaces:
- Includes as standard one Hi-Speed USB 2.0 (1.1 compatible)
- One Hi-Speed USB 2.0 (1.1 compatible) or one 10/100Base-T Ethernet port

Printer Language/Drivers:
- Epson ESC/P2
- Printer Language Level 3 compatible

Printer Language/Drivers:
- Optional PANTONE licensed and SWOP certified PostScript

Acoustic Noise Level:
- 16” x 20” prints from 5:32 to 19:40 - normal is 10:59
- 11” x 14” prints from 3:18 to 12:15 - normal is 6:39
- 8” x 10” prints from 2:03 to 7:47 - normal is 4:08

Print Engine Speed:
- 2880 x 1440 dpi; 1440 x 720 dpi; 720 x 720 dpi;
- different droplet sizes per print line

Droplet Technology:
- Variable Droplet Technology can produce up to three
different droplet sizes per print line

Color and Monochrome heads:
- 180 nozzles x 8

Nozzle Configuration:
- Advanced MicroPiezo AMC print head technology

Printing Method:
- Continuous ink feed
- Eight color channels
- Eight color heads

Print Quality:
- 2.608 million nozzle/second
- 2.608 million nozzle/second

Maximum Weight:
- 12 lb bond, up to 1.5 mm cardboard

Maximum Cut-Sheet Size:
- 17” x 22”

Printable Area:
- 4” x 6”, 5” x 7”, 8” x 10”, 11” x 14”, 16” x 20”, 17” x 22”
- Complete borderless printing on the following cut-sheet sizes

BorderFree Printing:
- 4” x 6”, 5” x 7”, 8” x 10”, 11” x 14”, 16” x 20”, 17” x 22”
- Complete borderless printing on the following cut-sheet sizes

Print Engine Color Channels:
- Epson UltraChrome K3 Ink Color: Up to 200 years

Lightfastness Ratings:
- Epson UltraChrome K3 Ink Color: Up to 200 years
- Black ink: Over 200 years
- Photo Black ink: Up to 200 years
- Matte Black ink: Up to 200 years

Environmental Characteristics:
- Temperature: Operating 40 to 50%
- Storage: -4˚ to 104˚F (-20˚ to 40˚C)
- Relative humidity: 20 to 80%

Ink Cartridge Shelf Life:
- Fixed print head up to 1.5 mm
- Straight-through, single sheet

Ink Cartridge Maintenance Tank:
- 8-channel, drop-on-demand, ink jet print head
- Epson Intelligent Pressurized Ink Cartridge

Replacement Ink Maintenance Tank:
- Replacement ink maintenance tank T582000

Ink Cartridges:
- Photo Black ink cartridge T580100
- Magenta ink cartridge T580300
- Cyan ink cartridge T580200
- Light Cyan ink cartridge T580500
- Light Magenta ink cartridge T580600
- Light Black ink cartridge T580700
- Matte Black ink cartridge T580800
- Matte Black ink cartridge T580900
- Light Black ink cartridge T580400

Ink Maintenance Tank:
- Epson Stylus Pro 3800 TUMI

Product/Accessories Part Numbers:
- Epson Stylus Pro 3800 print engine C635011UCM
- Epson Stylus Pro 3800 Professional Edition C635011PRO
- Epson Stylus Pro 3800 TUMI C635010TUMI
- Black-and-white: Over 200 years
- Matte Black ink: Up to 200 years
- Photo Black ink: Up to 200 years

Safety Information:
- CE: EN60950-1, EN 45014, IEC 60825-1
- UL: 60950-1
- Institute of Electrical and Electronics Engineers (IEEE) 1284-1995, 1284-2000
- ISO/IEC 9506-1
- AS/NZS 3548 class B
- CSA C108.8 class B
- EMI FCC Part 15 subpart B class B

Safety Information:
- UL1950, CSA 22.2 950
- IEC 60825-1, 60825-2
- EN60825

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Welcome to the future of print head technology

8-channel print head with Auto-sharing Black Ink technology

- Epson's print head technology allows for all dots to print in black and enhance color output from printer to printer. This completely eliminates the need to include colorimetric calibration. This system evaluates and adjusts for a single ICC profile to be used per media type.
- Compensates for various ink densities between resolutions — allowing for a single ICC profile to be used across media types.
- Produces variable-sized droplets as small as 3.5 picoliters to greatly enhance photographic image quality.
- Produces a truly consistent print with no color crossover or color cast.
- Can print in Professional Edition bundle)
- Superior connectivity
- Desktop-performance printer with a full-featured Ethernet port delivers at all print speeds, while dramatically reducing the physical size and weight of the unit.
- Optional one or two-year Epson Preferred Plus service plans available

Three-level black technology

- Simultaneously uses black, light black, and light light black ink
- Significantly improves the gray scale, resulting in higher color consistency.
- Delivers impressive standards and highlights for a smoother tonal range
- Virtually eliminates the dotiness and banding of pigment ink
- Enhances the ICC profiling process for Calligraphe™ and Giclée white papers

Advanced Black-and-white printing technology

- Epson's advanced Black-and-white printing technology is unique in professional level, uncompromising quality. Epson technology results in subtle gradations, rich full color. With flexible ink and media technology to life with Epson printing, as a portal into our past and is

High-performance print engine speed

- 110 ppm on SuperPhoto – 2880 dpi HS
- 77 ppm on SuperPhoto – 2880 dpi
- 49 ppm on SuperPhoto – 2880 dpi (for the last remaining covered bridges.

THE WORLD’S GREATEST IMAGES ARE PRINTED ON AN EPSON.
# Epson Stylus Pro 3800 Print Engine Specifications

- **Printer weight:** 43.2 lb
- **Dimensions:** 29.0” x 17.5” x 13.0” (736 x 445 x 330 mm)
- **Power consumption:**
  - Current: 0.6 A / 110 – 120 V
  - Frequency: 50 – 60 Hz
  - Voltage: AC 1 10 – 120 V
- **Electrical Requirements:**
  - Includes as standard one Hi-Speed USB 2.0 (1.1 compatible)
  - Windows 2000 or XP (64-bit also supported)
  - Macintosh OS X 10.4.7 or higher (universal binary)
- **Operating Systems Supported:**
  - Supported by most leading, third-party RIPs and workflows
- **Printer Language/Drivers:**
  - Epson ESC/P2
  - Language Level 3 compatible RIP by ColorBurst (included)
  - Optional PANTONE licensed and SWOP certified PostScript
- **Acoustic Noise Level:**
  - Approximately 47 dB(A) according to ISO 7779
- **Print Engine Speed:**
  - 720 x 360 dpi; 360 x 360 dpi; 360 x 180 dpi
  - Different droplet sizes per print line
  - Variable Droplet Technology can produce up to three different droplet sizes per print line
  - Front manual feeder up to 16” x 20”
  - Second top-loading feeder Up to 17” x 22”
  - Main top-loading feeder Up to 17” x 22”
- **Resolution:**
  - 4” x 6”, 5” x 7”, 8” x 10”, 11” x 14”, 16” x 20”, 17” x 22”
  - BorderFree Printing
  - Pigment-based Epson UltraChrome K3™ Ink technology
  - Auto head alignment and cleaning technology
  - 8-channel, drop-on-demand, ink jet print head
  - Advanced MicroPiezo AMC print head technology
  - Printing Method: Low nozzle density, micro piezo excitation technology
  - High precision, true 1-bit black-noise suppression technology
  - Non-drying Work in Progress Technology: Ink droplets trap very thin, very fast
  - Ink Lightfastness rating based on accelerated testing of prints on specialty media, displayed indoors, 15” date or 6 months after opened
  - Water Resistant
  - Pigment-based Epson UltraChrome K3 Ink Color: Up to 200 years
  - Black-and-white: Over 200 years
  - Matte to Photo Black 2:55 min:sec
  - Photo to Matte Black Approx. 1.5 ml
  - Matte to Photo Black Approx. 4.5 ml
- **Line Accuracy:**
  - 0 or 3 mm or 15 mm each
  - 0.24” total
- **Printable Area:**
  - Maximum printable width 17.16” (full bleed, 17” width)
  - Top and bottom margins 0 or 3 mm or 15 mm each
  - Left and right margins 0 or 3 mm each
- **Weight:** Black-and-white: Over 200 years
- **Media Handling:**
  - Maximum cut-sheet size 17” x 22”
  - Maximum paper width 17”
  - 4” x 6”, 5” x 7”, 8” x 10”, 11” x 14”, 16” x 20”, 17” x 22”
- **Print Quality:**
  - Standard Mode: average speed, prints with 2.1 billion colors
  - Normal Mode: based on SuperFine – 1440 dpi.
  - High Quality Mode: base speed, 1440 dpi
- **Safety Approvals:**
  - UL 60950-1, CAN/CSA C22.2 No. 60950-1, EN 60950
  - AS/NZS 3548 class B
  - CSA C108.8 class B
  - EMI FCC Part 15 subpart B class B, UL1950, CSA 22.2 950 FDA
- **Environmental:**
  - Relative humidity: 20 to 80%
  - Temperature: Operating 40 to 50%
  - Storage -4˚ to 104˚F (-20˚ to 40˚C)
  - Recommended Storage 5 to 85% (no condensation)
- **Black-and-white ink cartridges:**
  - Matte Black ink cartridge T580800
  - Light Black ink cartridge T580700
  - Light Magenta ink cartridge T580600
  - Yellow ink cartridge T580400
  - Magenta ink cartridge T580300
  - Cyan ink cartridge T580200
  - Matte Black ink cartridge T580800
  - Replacement ink maintenance tank T582000

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For maximum print life, display all prints under glass or lamination or properly store them. Epson does not guarantee longevity of prints. Under glass. Actual print stability will vary according to media, printed image, display conditions, light intensity, humidity and atmospheric conditions. Epson does not guarantee longevity of prints.
Epson UltraChrome K3 technology has produced some of the world’s greatest images, inspired by past generations of pigment ink. Epson UltraChrome K3 incorporates a three-level Black ink, along with Near-Neutral Color Pigment, UltraChrome K3 Pigment inks, and the extraordinary performance of Epson UltraChrome K3™ Ink technology. For the first time ever, a printer delivers the premier level of color accuracy and consistency, allowing you to print professional level black-and-white images.

Epson UltraChrome K3 technology

- Three-level Black technology
- Simultaneous use of black, light black, and UltraBlack ink
- Significantly improves the gray balance in black-and-white prints
- Delivers increased midtones and highlights for a smoother tonal range
- Virtually eliminates the restoration and toning of pigmented inks
- Enhances the ICC profiling process for ColorSync® and Adobe workflows

Three-level Black technology

- Simultaneous use of black, light black, and UltraBlack ink
- Significantly improves the gray balance in black-and-white prints
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- Virtually eliminates the restoration and toning of pigmented inks
- Enhances the ICC profiling process for ColorSync® and Adobe workflows

Advanced Black-and-white printing technology

- Uniform Microcrystal Encapsulation technology reduces the toner density for black-and-white printing, resulting in an extreme level of detail and print permanence
- Improves print permanence across a variety of black-and-white media
- Enhanced print permanence ratings for truly sellable quality prints

Professional media handling

- Exclusive 17-inch wide printer design allows for built-in calibration devices
- Supports manual printing on both sides of specialty media
- Front-loading, straight-through, manual sheet feeder handles media up to 16 inches wide, up to 1.5 mm thick posterboard
- Second, top-loading, manual sheet feeder accommodates thick fine art media up to 17x22, and with UltraChrome K3 ink technology, you can print on traditional photographic media or unique, fine art paper, this printer technology dramatically enhances the print quality.

High-definition print engine technology

- 17-inch wide printer design
- Advanced Epson engineering that takes full advantage of the latest in precision-mechanical design, resulting in a significant reduction in overall printer size and weight
- Incredible quiet operation, perfectly suited for even home use
- Large, 2.5-inch, backlit LCD control panel for easy, direct printer control and operational status monitoring
- Fully supported by most leading, third-party RIPs and workflows — optimized for black-and-white printing
- Custom ink cartridge replacement lockdowns increased productivity

Professional media handling

- On-the-fly ink cartridge replacement facilitates increased productivity
- Nearly, 100% ink cartridges enable truly professional printing
- Custom ink cartridge replacement lockdowns increased productivity

High performance print engine speed

- 4-color pigment-based ink system
- 176,800 dots per inch vertical and 133,600 dots per inch horizontal resolution
- Professional print precision rating for very high-quality prints
- Microcrystal Encapsulation technology for reduced grain differential
- Advanced Epson screening technology for increased color management
- Gamma correction technology for professional level black-and-white images
- High-precision print engine technology
- Eliminates 10 even more printer noise, and optimizes the main engine for smooth, high-quality black-and-white printing
- Optimizes the Black ink density for various media types. Whether printing on traditional photographic media or unique, fine art paper, this printer technology dramatically enhances the print quality.
Epson technology results in your image being masterfully printed, without compromises. With flexible color output from printer to printer. This completely eliminates the need for black-and-white printing. This innovative solution compensates for various ink densities between resolutions — allowing for a single ICC profile to be used per media type.

Innovative, new print head design allows for all nine inks to be installed simultaneously.

Epson UltraChrome K3 Ink Technology

Advanced 8-color pigment-based ink system

• Microcrystal Encapsulation technology ensures rich full color.
• Professional print head technology ensures reliable ink delivery at print speeds, while clinically reducing the physical size of the ink cartridges.
• New, included, 400ml ink cartridges enable 25% more professional printing.
• Compliant ink cartridge replacement facilitates increased product lifecycle compatibility.

• Standard prints include 100/200/400dpi format and one color (CMYK, L, L* 11, 11r, 11c, and 11k).
• Standard Professional Epson Photographers’ Color (685, 1270, 1755, and 2280).
• Optional INKTRONIC licensed and SWOP certified Photosync Language Level 2, compatible with ColorBrite Imaging (exclusively only, with Professional Edition bundle).

• Fully supported by most leading, third-party RIPs and workflows. – Epson’s ProMedia print engine is small and web-based and is internally optimized for professional photography and graphic design environments.

• Multi-socket memory automatically triggers key print job statistics, such as ink and media usage, remaining media, data file and user information, print times and more.

• Fully self-identified by the system to ensure print jobs are properly charged.

Over the past decade, Epson has been inspired by the way Creative Professional envisioned technologies to make their visons real. Perhaps why is Epson so strong on this subject is the company’s ability to deliver new advancements that set new standards in the industry.

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## Epson Stylus Pro 3800 Print Engine Specifications

### Printer Weight
43.2 lb

### Dimensions
27” x 15” x 10” (W x D x H)

### Power Requirements
- **Standby**: Less than 5 W
- **Operating**: Approx. 25 W

### Electrical Requirements
- Frequency: 50 – 60 Hz
- Voltage: 120 V – 240 V
- Current: 8 A – 16 A

### Media Handling
- **Maximum printable width**: 17.16” (full bleed, 17” width)
- **Minimum cut-sheet size**: 4” x 6”
- **Maximum cut-sheet size**: 17” x 22”
- **Printable Area**: Complete borderless printing on the following cut-sheet sizes
  - 6” x 6”
  - 6” x 9”
  - 6” x 10”
  - 8” x 8”
  - 8” x 10”
  - 8” x 12”
  - 10” x 12”
  - 11” x 17”
  - 11” x 14”
  - 13” x 19”
  - 13” x 17”
  - 17” x 22”

### Interface
- Includes as standard one Hi-Speed USB 2.0 (1.1 compatible)
- One 10/100Base-T Ethernet port

### Media Feeding
- **Front manual feeder**: Up to 16” x 20”
- **Second top-loading feeder**: Up to 17” x 22”
- **Optimization**: Straight-through, single sheet, single sheet manual feeder, up to 1.5 mm manual feeder

### Printing Method
- **Resolution**: 720 x 360 dpi; 360 x 360 dpi; 360 x 180 dpi; 2880 x 1440 dpi; 1440 x 720 dpi; 720 x 720 dpi
- **Variable Droplet Technology**: Can produce up to three different droplet sizes per print line
- **Droplet Size**: Smallest droplet size 3.5 picoliters

### Auto-head alignment and Cleaning Technology
- **Auto-sharing Black Ink Technology**: Fully automatic switching between Black ink modes

### Printing Method
- **Epson ESC/P2**: Printer Language/Drivers
- **Language Level 3 compatible RIP by ColorBurst**: (included in printer)
- **Supported by most leading, third-party RIPs and workflows**:
- **Epson UltraChrome K3 Ink Color**: Up to 200 years
- **Lightfastness Ratings**:
  - Black-and-white: Over 200 years
  - Color: Over 100 years

### Environment
- **Recommended Storage**: 5 to 85% (no condensation)
- **Environmental Characteristics**:
  - Temperature: 40 to 50%
  - Storage: -4˚ to 104˚F (-20˚ to 40˚C)
  - Operating: 40 to 50%

### Paper Specifications
- **Weight**:
  - 12 lb bond, up to 1.5 mm cardboard
  - 20 lb bond, up to 1.5 mm cardboard
- **Front manual feeder**:
  - Maximum: 120 sheets plain; 50 photo
  - Minimum: 4” x 6”
  - Maximum: 17” x 22”
- **Second top-loading feeder**:
  - Maximum: 120 sheets plain; 24” x 36”
  - Minimum: 4” x 6”

### EMI FCC Part 15 Subpart B, Class B
- **Safety Approval**: UL1950, CSA 22.2 950, CSA C108.8 class B

### Optional Features
- **Replacement ink maintenance tank**: T582000
- **RIP + media conversion times**:
  - Photo to Matte Black: Approx. 1.5 ml
  - Matte to Photo Black: 2:55 min:sec
  - Photo to Matte Black: 1:55 min:sec
  - Matte to Photo Black: 2:55 min:sec

### Ink Specifications
- **Cartridge fill volume**: 80 ml each color x 9 colors total
- **Type of ink cartridge**: Epson Intelligent Pressurized Ink Cartridge
  - Black-and-white: Photo Black ink cartridge T580100
  - Photo Black ink cartridge T580100
  - Light Cyan ink cartridge T580500
  - Light Magenta ink cartridge T580600
  - Light Black ink cartridge T580700
  - Photo Black ink cartridge T580100
  - Light Cyan ink cartridge T580200
  - Light Magenta ink cartridge T580300
  - Light Black ink cartridge T580400
  - Photo Black ink cartridge T580100
  - Light Cyan ink cartridge T580200
  - Light Magenta ink cartridge T580300

### Lightfastness Ratings
- **No use on produced documents, artwork and framing**:
  - Black-and-white: Over 200 years
  - Color: Over 100 years

### Environmental Characteristics
- **Recommended Storage**: 5 to 85% (no condensation)
- **Environmental Characteristics**:
  - Temperature: 40 to 50%
  - Storage: -4˚ to 104˚F (-20˚ to 40˚C)
  - Operating: 40 to 50%

### Epson Preferred
- **Preferred Plus service**: EPP38B1
- **Additional one-year Epson Preferred service**: EPP38B2
- **Additional two-year Epson Preferred service**: EPP38B3

### Epson America, Inc.
- **Internet website**: www.prographics.epson.com
- **3771 Victoria Park Avenue, Toronto, Ontario M1W 3Z5

### Epson UltraChrome K3 and MicroCrystal Encapsulation
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- **Epson UltraChrome K3 Ink**: Trademark of Epson America, Inc.

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