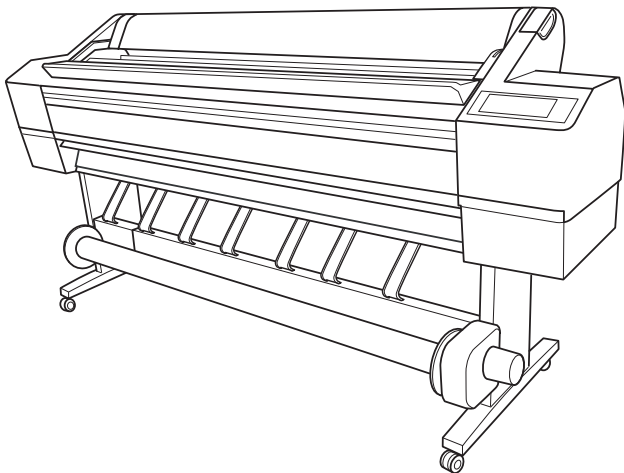


SERVICE MANUAL



Large Format Color Inkjet Printer

EPSON Stylus Pro 11880/11880C

PRECAUTIONS

Precautionary notations throughout the text are categorized relative to 1) Personal injury and 2) Damage to equipment.

DANGER Signals a precaution which, if ignored, could result in serious or fatal personal injury. Great caution should be exercised in performing procedures preceded by DANGER Headings.

WARNING Signals a precaution which, if ignored, could result in damage to equipment.

The precautionary measures itemized below should always be observed when performing repair/maintenance procedures.

DANGER

1. ALWAYS DISCONNECT THE PRODUCT FROM THE POWER SOURCE AND PERIPHERAL DEVICES PERFORMING ANY MAINTENANCE OR REPAIR PROCEDURES.
2. NO WORK SHOULD BE PERFORMED ON THE UNIT BY PERSONS UNFAMILIAR WITH BASIC SAFETY MEASURES AS DICTATED FOR ALL ELECTRONICS TECHNICIANS IN THEIR LINE OF WORK.
3. WHEN PERFORMING TESTING AS DICTATED WITHIN THIS MANUAL, DO NOT CONNECT THE UNIT TO A POWER SOURCE UNTIL INSTRUCTED TO DO SO. WHEN THE POWER SUPPLY CABLE MUST BE CONNECTED, USE EXTREME CAUTION IN WORKING ON POWER SUPPLY AND OTHER ELECTRONIC COMPONENTS.
4. WHEN DISASSEMBLING OR ASSEMBLING A PRODUCT, MAKE SURE TO WEAR GLOVES TO AVOID INJURY FROM METAL PARTS WITH SHARP EDGES.

WARNING

1. REPAIRS ON EPSON PRODUCT SHOULD BE PERFORMED ONLY BY AN EPSON CERTIFIED REPAIR TECHNICIAN.
2. MAKE CERTAIN THAT THE SOURCE VOLTAGES IS THE SAME AS THE RATED VOLTAGE, LISTED ON THE SERIAL NUMBER/RATING PLATE. IF THE EPSON PRODUCT HAS A PRIMARY AC RATING DIFFERENT FROM AVAILABLE POWER SOURCE, DO NOT CONNECT IT TO THE POWER SOURCE.
3. ALWAYS VERIFY THAT THE EPSON PRODUCT HAS BEEN DISCONNECTED FROM THE POWER SOURCE BEFORE REMOVING OR REPLACING PRINTED CIRCUIT BOARDS AND/OR INDIVIDUAL CHIPS.
4. IN ORDER TO PROTECT SENSITIVE MICROPROCESSORS AND CIRCUITRY, USE STATIC DISCHARGE EQUIPMENT, SUCH AS ANTI-STATIC WRIST STRAPS, WHEN ACCESSING INTERNAL COMPONENTS.
5. REPLACE MALFUNCTIONING COMPONENTS ONLY WITH THOSE COMPONENTS BY THE MANUFACTURE; INTRODUCTION OF SECOND-SOURCE ICs OR OTHER NON-APPROVED COMPONENTS MAY DAMAGE THE PRODUCT AND VOID ANY APPLICABLE EPSON WARRANTY.
6. WHEN AIR DUSTER IS USED ON THE REPAIR AND THE MAINTENANCE WORK, THE USE OF THE AIR DUSTER PRODUCTS CONTAINING THE INFLAMMABLE GAS IS PROHIBITED.

About This Manual

This manual describes basic functions, theory of electrical and mechanical operations, maintenance and repair procedures of the printer. The instructions and procedures included herein are intended for the experienced repair technicians, and attention should be given to the precautions on the preceding page.

Manual Configuration

This manual consists of six chapters and Appendix.

CHAPTER 1.PRODUCT DESCRIPTIONS

Provides a general overview and specifications of the product.

CHAPTER 2.OPERATING PRINCIPLES

Describes the theory of electrical and mechanical operations of the product.

CHAPTER 3.TROUBLESHOOTING

Describes the step-by-step procedures for the troubleshooting.

CHAPTER 4.DISASSEMBLY / ASSEMBLY

Describes the step-by-step procedures for disassembling and assembling the product.

CHAPTER 5.ADJUSTMENT

Provides Epson-approved methods for adjustment.

CHAPTER 6.MAINTENANCE

Provides preventive maintenance procedures and the lists of Epson-approved lubricants and adhesives required for servicing the product.

CHAPTER 7.APPENDIX

Provides the following additional information for reference:

- Connectors
- ASP List
- Exploded Diagrams

Symbols Used in this Manual

Various symbols are used throughout this manual either to provide additional information on a specific topic or to warn of possible danger present during a procedure or an action. Be aware of all symbols when they are used, and always read NOTE, CAUTION, or WARNING messages.



Indicates an operating or maintenance procedure, practice or condition that is necessary to keep the product's quality.



Indicates an operating or maintenance procedure, practice, or condition that, if not strictly observed, could result in damage to, or destruction of, equipment.



May indicate an operating or maintenance procedure, practice or condition that is necessary to accomplish a task efficiently. It may also provide additional information that is related to a specific subject, or comment on the results achieved through a previous action.



Indicates an operating or maintenance procedure, practice or condition that, if not strictly observed, could result in injury or loss of life.



Indicates that a particular task must be carried out according to a certain standard after disassembly and before re-assembly, otherwise the quality of the components in question may be adversely affected.

Revision Status

Revision	Date of Issue	Description
A	September 25, 2007	First release
B	December 26, 2007	<p>Rivise</p> <p><Chapter 1></p> <ul style="list-style-type: none"> • "1.2.4 Reliability/Durability" (P. 14): Ink tube's life was revised. • "1-6 Designated Roll Paper List" (P. 16): Some items were revised. <p><Chapter 2></p> <ul style="list-style-type: none"> • "2.7 Other Mechanisms" (P. 55): Auto nozzle check was deleted. <p><Chapter 3></p> <ul style="list-style-type: none"> • "3.2 List of Error Messages" (P. 59): Some items were revised. • "3.4 Remedies for Maintenance Requests" (P. 67): Some items were revised. • "3.5 Remedies for Service Call Error" (P. 68): Some items were revised. <p><Chapter 4></p> <ul style="list-style-type: none"> • "4.3.1.2 Unlocking the Carriage Unit" (P. 84): The procedure was revised. • "4.3.3.1 Control Panel" (P. 92): The procedure was revised. • "4.3.3.4 Right Side Cover" (P. 95): The procedure was revised. • "4.3.3.5 Left Side Cover" (P. 96): The procedure was revised. • "4.3.3.7 Rear Cover" (P. 98): The procedure was revised. • "4.3.7.1 Printhead" (P. 147): The procedure was revised. • "4.3.7.2 Ink System Unit" (P. 150): The procedure was revised.

Revision	Date of Issue	Description
B	December 26, 2007	<p><Chapter 5></p> <ul style="list-style-type: none"> • "5.1.3 Parts and Units that Require Adjustments" (P. 166): Some items were added. • "5.1.4 Required Adjustments by Part or Unit" (P. 167): Some items were modified. • "5.1.5 Description of Adjustments" (P. 169): Some items were added. • "5.2.7 Air Leak Check for Ink Supply System" (P. 180): Some steps were revised. • "5.3.2 Head Rank ID" (P. 185): Caution was added. • "5.3.5 Print Head Slant Adjustment (PF)" (P. 188): A step was revised. • "5.3.6 Print Head Slant Adjustment (CR)" (P. 190): A step was revised. • "5.3.18 Colorimetric Calibration (Color ID)" (P. 204): Caution was added. • "5.3.20 Installing Firmware" (P. 221): A step was revised. • "5.3.22 Auto Bi-D Adjustment" (P. 223): Paper size was modified. • "5.3.23 Auto Uni-D Adjustment" (P. 224) Paper size was modified. • "5.3.26 AID Inspection PG Adjustment" (P. 226): A step was revised. • "5.3.27 AID Function Check" (P. 228): A step was revised. • "5.5 Clear Counters" (P. 236): Some items were added.

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CHAPTER

1

PRODUCT DESCRIPTION

1.1 Product Description

Stylus Pro 11880/11880C is a wide-format color inkjet printer that supports up to 64 inch-wide paper. The main features are;

☐ Supports super large-sized paper

Maximum available paper width: 1625.6 mm (64 inch), up to 64 x 80 inch size

☐ Ink configuration

Installs the following nine ink cartridges and equips with a physical ink channel for each of the nine colors. The black ink is automatically switched between Photo and Matte black depending on paper type (printing is made in eight colors).

Table 1-1. Ink Colors

Color	Abbreviation
Photo Black	PK
Matte Black	MK
Cyan	C
Vivid Magenta	VM
Yellow	Y
Light Cyan	Lc
Vivid Light Magenta	VLm
Light Black	LK
Light Light Black	LLk

☐ Super high print quality

Achieves amazing print quality with eight colors of ink, resolutions up to 2880 x 1440 dpi, and variable dot sizes (minimal 3.7 picoliter)

☐ Lower running cost

- Employs super high-capacity (700 ml) independent ink cartridges
- Equips with the AID function
- Ink suction mechanism for automatic nozzle cleaning is provided for each two head columns independently. It achieves efficient cleaning with low ink consumed.

☐ Media handling

- Supports a variety of media
- Auto take-up reel unit comes as standard
- Stores roll paper usage history and updates it automatically by reading a barcode. This enables automatic detection of remaining amount of the paper.
- Equips with auto cutter for roll paper
- Borderless print is supported

☐ The latest-type RIP

Supports software RIP made by other companies

☐ Options

The following items are optionally available.

- Maintenance Tank
- Auto cutter spare blade
- Roll paper belt
- Paper basket
- Dual tension roll feed spindle

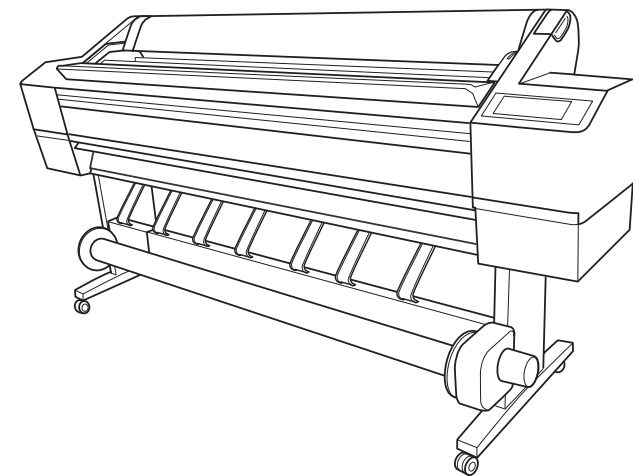


Figure 1-1. External View

☐ High speed printing

Table 1-2. Print Speed (throughput) List

Paper Type	Print Quality	Dot Size	Resolution (dpi)	Mode	Number of Print Path	Throughput (A0-size cut sheet print time)
Plain paper	Draft	VSD1	360 x 360	Bi-D MF 300CPS	1	2.0 minutes
	Speed	VSD1	360 x 720	Bi-D MF 300CPS	2	3.3 minutes
	Quality	VSD2	720 x 720	Bi-D FOL 240CPS	5	6.8 minutes
	Fine-720 F. detail on	VSD2	720 x 720	Bi-D FOL 240CPS	7	9.0 minutes
Matte paper FA paper	Speed	VSD1	720 x 360	Bi-D FOL 300CPS	4	2.3 minutes
	Quality	VSD2	720 x 720	Bi-D FOL 240CPS	8	10.1 minutes
	S.Fine-1440	VSD3	1,440 x 720	Bi-D 4-path 240CPS	11	15.3 minutes
	S.Photo-2880	VSD4	2,880 x 1,440	Bi-D 4-path 240CPS	18	24.4 minutes
Coated paper	Speed	VSD2	720 x 720	Bi-D FOL 240CPS	7	9.0 minutes
	Quality	VSD3	1,440 x 720	Bi-D 4-path 240CPS	11	15.3 minutes
	S.Photo-2880	VSD4	2,880 x 1,440	Bi-D 4-path 240CPS	18	24.4 minutes

1.2 Basic Specifications

1.2.1 Basic Specifications

Item		Specification
Maximum paper width		1625.6 mm (64 inch)
Print method		On-demand inkjet
Printing direction		Bi-directional shortest-direction printing (high-speed return, high-speed skip)
Printhead	Number of nozzles	360 nozzles for each of nine colors
Ink colors		Photo black, Matte black, Cyan, Vivid magenta, Yellow, Light Cyan, Vivid light magenta, Light black, Light light black (See Table 1-3 for the alignment sequence of the cartridges)
Maximum resolution		2,880dpi x 1,440dpi
Print speed & Print area	Alphanumeric characters	See Table 1-4
	Graphic mode	See Table 1-5

Table 1-3. Cartridge Alignment Sequence

Left Ink Holder					Right Ink Holder			
Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8	Row 9
Vivid Light Magenta (VLm)	Light Light Black (LLK)	Matte Black (MK)	Light Black (LK)	Light Cyan (Lc)	Cyan (C)	Vivid Magenta (VM)	Photo Black (PK)	Yellow (Y)

Table 1-4. Print speed & Area (alphanumeric characters)

Item		Specification
Print speed & Print area	Character quality	Fine
	Character pitch	10 CPI
	Print area	643 digits
	Print speed	Max. 300 cps

Table 1-5. Print speed & Area (graphic mode)

Horizontal Resolution (dpi)	Max. Print Area	Printable Dots	Print speed
360	1633.5 mm (64.31 inch)	23,151	300 cps
720	1633.5 mm (64.31 inch)	46,303	240 cps
1440	1633.5 mm (64.31 inch)	92,606	240 cps
2880	1633.5 mm (64.31 inch)	185,212	240 cps

Note : Includes margins that bleed off the edges of paper. (max. 3 mm for home side, max. 5 mm for the opposite side)

1.2.2 Electric Specifications

Item		Specification	
		100/120V Model	220/240V Model
Rated voltage		100 to 240 VAC	220 to 240 VAC
Input voltage range		90 to 264 VAC	
Rated frequency		50 to 60Hz	
Input frequency range		49 to 61Hz	
Rated current		1.2A to 0. 6A	
Power consumption	Operating	100 W	
	Sleep mode*1	20 W or lower	
	Standby	Less than 1W	
Insulation resistance		10MΩ or more (between AC line and chassis at 500 VDC)	
Dielectric strength		1.0 kVrms AC for 1 min. or 1.2 kVrms AC for 1 sec. (between AC line and chassis)	
Leak current		0.5 mA or less	
Compliance with regulations		Conforms to International Energy Star Program (Category: the harmonic restraint measure guideline) Conforms to VCCI Class B (with full options installed)	

Note "1": The printer goes into the sleep mode when no operation is made for 10 minutes.

1.2.3 Environmental Conditions

TEMPERATURE/HUMIDITY

□ Temperature

- Operating: 10 to 35 °C
- Storage (before unpacking): -20 to 60°C
(within 120 hours under 60 °C, and within 1 month under 40 °C)
- Storage (after unpacking): -20 to 40°C
(within 1 month under 40°C)

□ Humidity

- Operating: 20 to 80% (no condensation)
- Storage (before unpacking): -20 to 85% (no condensation)
- Storage (after unpacking): 5 to 85% (no condensation)

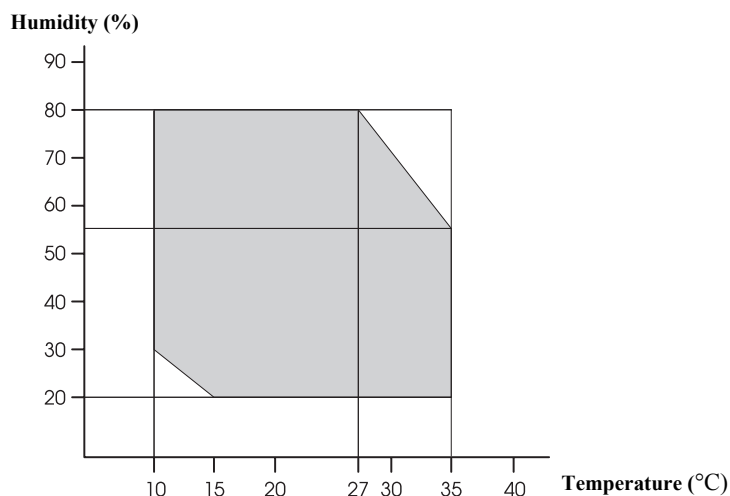


Figure 1-2. Temperature/Humidity Range

RESISTANCE TO VIBRATION/SHOCK

Status	Vibration	Shock
Operating	0.15G, 10 to 55Hz	1G, within 1 ms
Storage	0.50G, 10 to 55Hz	2G, within 2 ms



- Whenever storing the printer, press the Power button to turn off the power, and make sure that the carriage stops at the right end to put the cap on the printhead. And even if the printer will not be used for an extended period, do not remove the ink cartridges.
- Whenever transporting the printer, leave the ink cartridges installed, and make sure that the printhead is capped. Then secure the printhead with the metal plate that comes with the printer being attached to the head.
- If you find the carriage is not at the right end position (the printhead is not capped) while the printer power is off, turn on the printer and turn it off with the Power button to move the carriage to the right end. At this time, the ink cartridges must have been installed.
- The print quality is guaranteed under normal room temperature conditions. If the printer is used under conditions out of the normal range, color reproduction accuracy may drop, and bands or smudges may appear on the printout.

1.2.4 Reliability/Durability

Item		Specification
Operating life of the printer		Until any one of the following conditions is met. <ul style="list-style-type: none"> • Approx. 20,000 pages (Super B0 size plain paper, Quality mode, 720x360 FOL Bi-D) • Carriage life: 6,300,000 paths • 5 years
Cutter life (reference)		64"-wide roll paper, 4 cuts for one page <ul style="list-style-type: none"> • Coated paper: approx. 2,000 pages (sheets) • Film: approx. 1,000 pages (sheets)
Consumables life	RTC backup battery	5 years or longer
	Maintenance unit	Approx. 20,000 pages (reference value) (Super B0 size EPSON paper, Draft mode, 720x720, continuous printing)
	CR motor, Drive pulley, Carriage unit, FFC	Approx. 12,600,000 paths
	Tube	6,300,000 paths

1.3 Printing Specifications

1.3.1 Paper Feed Specifications

Item	Specification
Paper feed method	Friction feed
Line pitch	Programmable in units of 1/6 inch or 1,440 inch
Paper feeder	<input type="checkbox"/> Roll paper manual feed <input type="checkbox"/> Cut sheet manual feed
Feed speed	245 ± 10 mm/sec (6.35 mm feed)

1.3.2 Paper Specification

1.3.2.1 Supported Paper

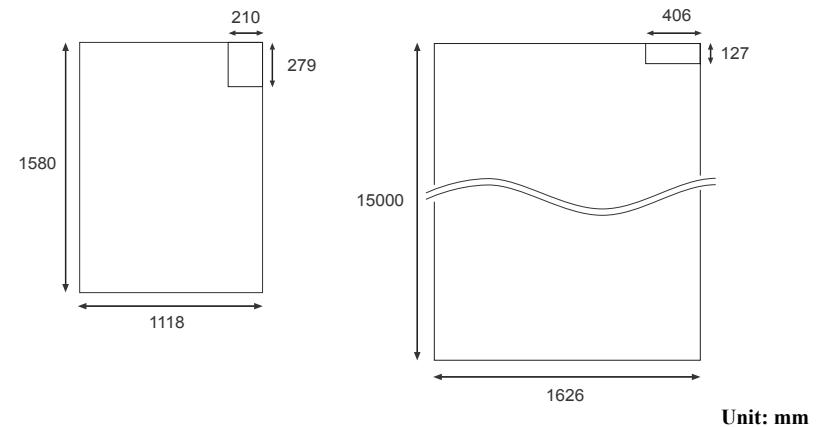
The following explains the supported paper sizes and thickness.

CAUTION


- Do not use wrinkled, scuffed, torn, or soiled paper.
- Load paper just before printing. Do not leave paper loaded on the printer when not printing. Store paper properly following the instruction that comes with the paper.
- When large quantities of paper need to be prepared in advance, make a test print using the paper before purchase.

PAPER SIZE

Item	Specification
Cut sheet	<input type="checkbox"/> Paper width: 210 to 1,118 mm <input type="checkbox"/> Paper length: 279 to 1,580 mm
Roll paper	<input type="checkbox"/> Paper width: 406 to 1,626 mm <input type="checkbox"/> Paper length: 127 to 15,000 mm



PAPER THICKNESS

Item	Specification
Cut sheet	0.08 to 1.5 mm (Paper length: 279 to 728 mm)
	0.08 to 0.5 mm (Paper length: 728 to 2,032 mm)
Roll paper	0.08 to 0.5 mm

1.3.2.2 Designated Paper

ROLL PAPER

Table 1-6. Designated Roll Paper List

Name	Main Application	Size		Borderless Print ^{*1}	Thickness	Core Diameter	Spindle Tension	ICC Profile	Paper Type&Name indicated by Driver	Auto Cut ^{*2}	Black Ink
Premium Glossy Photo Paper (250)	Photograph, Contact Proof	406mm	16"	OK!	0.27mm	3"	Normal	• Photo Black: When Bi-D is ON Pro11880 PGPP250 Bi-D.icc When Bi-D is OFF Pro11880 PGPP250 Uni-D.icc • Matte Black: ---	Photo Paper Premium Glossy Photo Paper (250)	OK	PK
		610mm	24"								
		914mm	36"								
		1118mm	44"								
		1524mm	60"	NA							
Premium Semigloss Photo Paper (250)	Photograph, Contact Proof	406mm	16"	OK!	0.27mm	3"	Normal	• Photo Black: When Bi-D is ON Pro11880 PSPP250 Bi-D.icc When Bi-D is OFF Pro11880 PSPP250 Uni-D.icc • Matte Black: ---	Photo Paper Premium Semigloss Photo Paper (250)	OK	PK
		610mm	24"								
		914mm	36"								
		1118mm	44"								
		1524mm	60"	NA							
Premium Luster Photo Paper (260)	Photograph,	406mm	16"	OK!	0.27mm	3"	Normal	• Photo Black: When Bi-D is ON Pro11880 PLPP260 Bi-D.icc When Bi-D is OFF Pro11880 PLPP260 Uni-D.icc • Matte Black: ---	Photo Paper Premium Luster Photo Paper (260)	OK	PK
		610mm	24"								
		914mm	36"								
		1118mm	44"								
		1524mm	60"	NA							
Premium Glossy Photo Paper (170)	Photograph, Contact Proof	420mm (A2)		NA	0.18mm	2"	Normal	• Photo Black: When Bi-D is ON Pro11880 PGPP170 Bi-D.icc When Bi-D is OFF Pro11880 PSPP170 Uni-D.icc • Matte Black: ---	Photo Paper Premium Glossy Photo Paper (170)	OK	PK
		610mm	24"	OK!							
		914mm	36"								
		1118mm	44"								
		1524mm	60"								
Premium Semigloss Photo Paper (170)	Photograph, Contact Proof	420mm (A2)		NA	0.18mm	2"	Normal	• Photo Black: When Bi-D is ON Pro11880 PSPP170 Bi-D.icc • When Bi-D is OFF Pro11880 PSPP170 Uni-D.icc • Matte Black: ---	Photo Paper Premium Semigloss Photo Paper (170)	OK	PK
		610mm	24"	OK!							
		914mm	36"								
		1118mm	44"								
		1524mm	60"								

<Continued to the next page>

Note "*1": OK!: Recommended for borderless printing
 OK: Borderless printing is available
 NA: Borderless printing is Not available
 Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper. Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

"*2": OK: Auto cut is available
 NA: Auto cut is Not available
 (manually cut the paper with a commercially available cutter)

Table 1-6. Designated Roll Paper List

Name	Main Application	Size		Borderless Print ^{*1}	Thickness	Core Diameter	Spindle Tension	ICC Profile	Paper Type&Name indicated by Driver	Auto Cut ^{*2}	Black Ink
Epson Proofing Paper White Semimatte	Contact Proof	432mm	17"	OK	0.25mm	3"	Normal	<ul style="list-style-type: none"> • Photo Black: When Bi-D is ON Pro11880 Proof_WS_Bi-D.icc When Bi-D is OFF Pro11880 Proof_WS_Uni-D.icc • Matte Black: --- 	Proofing Paper Epson Proofing Paper White Semimatte	OK	PK
		610mm	24"								
		914mm	36"								
		1118mm	44"								
		1524mm	64"	NA							
Epson Proofing Paper Publication	Contact Proof	432mm	17"	OK	0.20mm	3"	Normal	<ul style="list-style-type: none"> • Photo Black: When Bi-D is ON Pro11880 Proof_Pub_Bi-D.icc When Bi-D is OFF Pro11880 Proof_Pub_Uni-D.icc • Matte Black: --- 	Proofing Paper Epson Proofing Paper Publication	OK	MK
		610mm	24"								
		914mm	36"								
		1118mm	44"								
Doubleweight Matte Paper	Photograph, Indoor Signage, Proof	610mm	24"	OK	0.21mm	2"	Normal	<ul style="list-style-type: none"> • Photo Black: --- • Matte Black: Pro118800 DWMP.icc 	Matte Paper Doubleweight Matte Paper	OK	MK
		914mm	36"								
		1118mm	44"								
		1626mm	64"	NA							
Enhanced Matte Paper	Photograph, Indoor Signage, Proof, Fine Art Reproduction	432mm	17"	OK	0.25mm	3"	Normal	<ul style="list-style-type: none"> • Photo Black: Pro11880 EMP_PK.icc • Matte Black: Pro118800 EMP_MK.icc 	Matte Paper Enhanced Matte Paper	OK	MK
		610mm	24"								
		914mm	36"								
		1118mm	44"								
		1626mm	64"	NA							
Watercolor Paper - Radiant White	Photograph, Fine Art Reproduction	610mm	24"	OK	0.29mm	3"	High	<ul style="list-style-type: none"> • Photo Black: Pro11880 WCRW_PK.icc • Matte Black: Pro118800 WCRW_MK.icc 	Fine Art Paper Watercolor Paper - Radiant White	OK	PK/ MK
		914mm	36"								
		1118mm	44"								
UltraSmooth Fine Art Paper	Photograph, Fine Art Reproduction	432mm	17"	OK	0.32mm	3"	High	<ul style="list-style-type: none"> • Photo Black: Pro11880 USFAP_PK.icc • Matte Black: Pro118800 USFAP_MK.icc 	Fine Art Paper UltraSmooth Fine Art Paper	OK	PK/ MK
		610mm	24"								
		1118mm	44"								
		1524mm	60"	NA							
Textured Fine Art Paper	Photograph, Fine Art Reproduction	432mm	17"	OK	0.37mm	3"	High	<ul style="list-style-type: none"> • Photo Black: Pro11880 TFAP_PK.icc • Matte Black: Pro118800 TFAP_MK.icc 	Fine Art Paper Textured Fine Art Paper	OK	PK/ MK
		610mm	24"								
		914mm	36"								
		1118mm	44"								

<Continued to the next page>

Note *1": OK!: Recommended for borderless printing

OK: Borderless printing is available

NA: Borderless printing is Not available

Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper. Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

*2": OK: Auto cut is available

NA: Auto cut is Not available

(manually cut the paper with a commercially available cutter)

Table 1-6. Designated Roll Paper List

Name	Main Application	Size		Borderless Print ^{*1}	Thickness	Core Diameter	Spindle Tension	ICC Profile	Paper Type&Name indicated by Driver	Auto Cut ^{*2}	Black Ink
Canvas	Photograph, Fine Art Reproduction	610mm	24"	OK	0.46mm	2"	Normal	<ul style="list-style-type: none"> • Photo Black: Pro11880 Canvas_PK.icc • Matte Black: Pro118800 Canvas_MK.icc 	Fine Art Paper Canvas	NA	PK/ MK
		914mm	36"								
		1118mm	44"								

Note "*1": OK!: Recommended for borderless printing
 OK: Borderless printing is available
 NA: Borderless printing is Not available
 Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper. Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

"*2": OK: Auto cut is available
 NA: Auto cut is Not available
 (manually cut the paper with a commercially available cutter)

CUT SHEET

Table 1-7. Designated Cut Sheet List

Name	Main Application	Size	Borderless Print ^{*1}	Thickness	ICC Profile	Paper Name indicated by Driver	Black Ink
Premium Glossy Photo Paper	Photograph, Contact Proof	Super A3	OK!	0.27mm	<ul style="list-style-type: none"> • Photo Black: When Bi-D is ON Pro11880 PGPP Bi-D.icc • When Bi-D is OFF Pro11880 PGPP_Uni-D.icc • Matte Black: --- 	Photo Paper Premium Glossy Photo Paper	PK
		A2	NA				
Premium Semigloss Photo Paper	Photograph, Contact Proof	Super A3	OK!	0.27mm	<ul style="list-style-type: none"> • Photo Black: When Bi-D is ON Pro11880 PSPP Bi-D.icc • When Bi-D is OFF Pro11880 PSPP Uni-D.icc • Matte Black: --- 	Photo Paper Premium Semigloss Photo Paper	PK
		A2	NA				
Premium Luster Photo Paper	Photograph	Super A3	OK!	0.27mm	<ul style="list-style-type: none"> • Photo Black: When Bi-D is ON Pro11880 PLPP Bi-D.icc • When Bi-D is OFF Pro11880 PLPP Uni-D.icc • Matte Black: --- 	Photo Paper Premium Luster Photo Paper	PK
		A2					
Archival Matte Paper	Indoor Signage, Photograph, Proof, Fine Art Reproduction	Super A3	OK	0.26mm	<ul style="list-style-type: none"> • Photo Black: Pro11880 ARMP_PK.icc • Matte Black: Pro118800 ARMP_MK.icc 	Matte Paper Archival Matte Paper	PK/MK
		A2	NA				
Watercolor Paper - Radiant White	Photograph, Fine Art Reproduction	Super A3	OK	0.29mm	<ul style="list-style-type: none"> • Photo Black: Pro11880 WCRW_PK.icc • Matte Black: Pro118800 WCRW_MK.icc 	Fine Art Paper Watercolor Paper - Radiant White	PK/MK
UltraSmooth Fine Art Paper	Photograph, Fine Art Reproduction	Super A3	OK	0.46mm	<ul style="list-style-type: none"> • Photo Black: Pro11880 USFAP_PK.icc • Matte Black: Pro118800 USFAP_MK.icc 	Fine Art Paper UltraSmooth Fine Art Paper	PK/MK
		A2	NA				
Velvet Fine Art Paper	Photograph, Fine Art Reproduction	Super A3	OK	0.48mm	<ul style="list-style-type: none"> • Photo Black: Pro11880 VFAP_PK.icc • Matte Black: Pro118800 VFAP_MK.icc 	Fine Art Paper Velvet Fine Art Paper	PK/MK
		A2	NA				
Textured Fine Art Paper	Photograph, Fine Art Reproduction	24" x 30"	OK	0.69mm	<ul style="list-style-type: none"> • Photo Black: Pro11880 TFAP_PK.icc • Matte Black: Pro118800 TFAP_MK.icc 	Fine Art Paper Textured Fine Art Paper	PK/MK
		36" x 44"					
Enhanced Matte Posterboard	Indoor Signage, Proof, Fine Art Reproduction	24" x 30"	OK	1.3mm	<ul style="list-style-type: none"> • Photo Black: Pro11880 EMPB_PK.icc • Matte Black: Pro118800 EMPB_MK.icc 	Others Enhanced Matte Posterboard	PK/MK
		30" x 40"	NA				

Note "※": OK!: Recommended for borderless printing

OK: Borderless printing is available

NA: Borderless printing is Not available

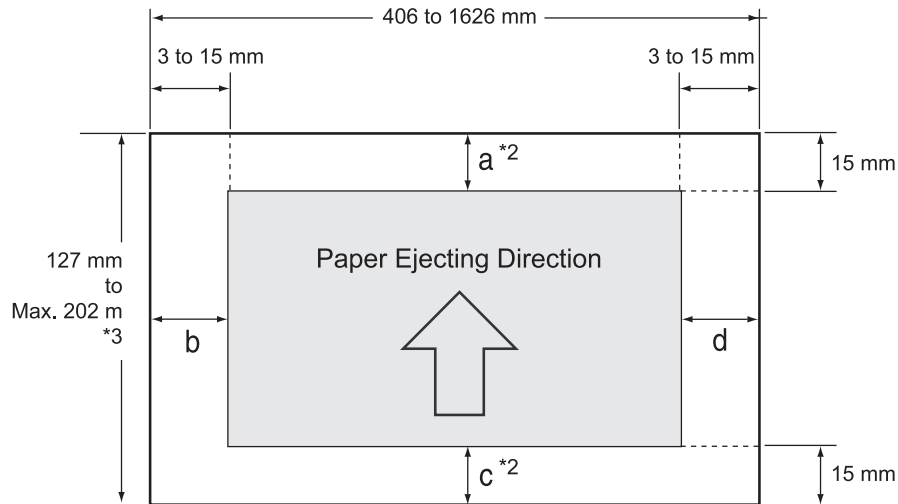
Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper.

Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

1.3.3 Printable Area

ROLL PAPER

Margins for roll paper depends on the ROLL PAPER MARGIN settings in the PRINTER SETUP menu.



ROLL PAPER MARGIN settings	Explanation
Default	$a = c = 15 \text{ mm} *1$
	$b = d = 3 \text{ mm}$
TOP/BOTTOM 15mm	$a = c = 15 \text{ mm}$
	$b = d = 3 \text{ mm}$
TOP 35/BOTTOM 15MM	$a = 35 \text{ mm}$
	$c = 15 \text{ mm}$
	$b = d = 3 \text{ mm}$
3mm	$a, b, c, d = 3 \text{ mm}$
	$a, b, c, d = 15 \text{ mm}$

Note **1*: When the Default is selected, "a" becomes 20mm and "c" becomes 15mm for the following paper types; Premium Glossy Photo Paper(250), Premium Semigloss Photo Paper(250), and Premium Luster Photo Paper(260).

**2*: When the "Roll Paper (Banner)" is selected for the "Source" in the "Paper Settings" of the printer driver, the top and bottom margins become 0 mm.

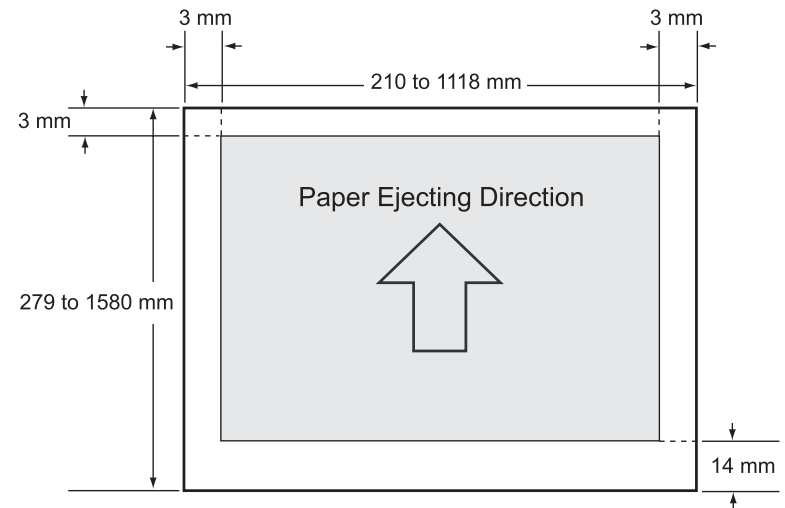
**3*: The maximum paper length settable with the printer driver is as follows.

Windows: 15,000 mm (590.6 inch)

Mac OS X: 15,240 mm (600 inch)

When paper length longer than the above is required, select the "Roll Paper (Banner)". The printer driver allows the setting if the application used for the data supports the length.

CUT SHEET



1.3.4 Borderless Printing Specification

AVAILABLE PAPER TYPE

For the paper types and sizes that support the borderless printing, see “1.3.2.2 Designated Paper” on page 16.

BORDERLESS PRINTING MODE

The following types of borderless printing are available with the printer driver.

Table 1-8. Borderless Printing Mode

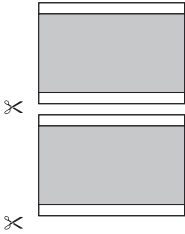
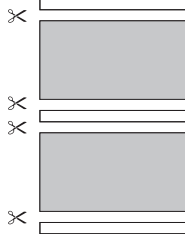
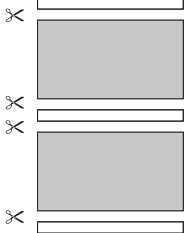
Driver Setting	Printer Operation	Remarks
Normal Cut*2	<p>Prints an image bleeding it off the left and right edges of paper. The top and bottom margins are determined by ROLL PAPER MARGIN setting.</p> 	Default
Single Cut*1*2*3	<p>Prints an image bleeding it off the all edges of paper. The cutting methods is as follows.</p> <ul style="list-style-type: none"> <input type="checkbox"/> The minimum width required for cutting is applied as the top margin of the first page, then the top margin is cut off during printing. <input type="checkbox"/> No margin is provided between pages, and the cutting is made on the border between the pages. <input type="checkbox"/> When the job is finished, the bottom side of the last page is cut off without margin. 	<ul style="list-style-type: none"> • Printing is interrupted for cutting off the top margin of the first page. This may cause color inconsistencies depending on the print data. • The cut line between pages may be slightly off the border.

Table 1-8. Borderless Printing Mode

Driver Setting	Printer Operation	Remarks
Double Cut*1*2*3	<p>Prints an image bleeding it off the all edges of paper. The cutting methods is as follows.</p> <ul style="list-style-type: none"> <input type="checkbox"/> The auto refresh margin is applied as the top margin of the first page, then the top margin is cut off during printing. <input type="checkbox"/> The bottom side of each page is cut off without margin. <input type="checkbox"/> The minimum width required for cutting is applied as margins between pages. 	<ul style="list-style-type: none"> • Printing is interrupted for cutting off the top margin of the first page. This may cause color inconsistencies depending on the print data. • The top and bottom sides of each page are cut off at the position slightly inward the image edges so that no white margin appears on the edges of the cut pages. This causes the vertical length of the cut page about 2mm shorter than the specified length.

Note **1*: The cut pages vertical length become about 2mm shorter than the specified size.

**2*: When the Auto Cut is OFF and the Page Line print function is ON, page lines for manual cutting are printed.

**3*: Color inconsistencies or ink smudges due to the interruption of printing for cutting off top margins are likely to occur on the following papers.

- Doubleweight Matte Paper
- Singleweight Matte Paper
- Enhanced Matte Paper
- Textured Fine Art Paper
- UltraSmooth Fine Art Paper

1.3.5 Cutting of Roll Paper

The printer offers both manual and auto cutting for roll paper.

Cut Method	Description
Auto cut	The printer automatically cuts paper with the built-in cutter.
Manual cut	The user can manually move the built-in cutter to cut paper, or use a commercially available cutter. Select this setting when using the Auto Take-up Reel Unit.



Some types of roll paper cannot be cut with the built-in cutter. Use a commercially available cutter for such types.






- It may take time for the cutting operation. The approx. waiting time will be indicated on the display of the control panel.
- The “Auto Cut” setting of the printer driver takes priority over the “Roll Auto Cut Off” setting made by the control panel.

SETTING BEFORE PRINTING

The cut method setting can be made by the control panel or the printer driver.

- ☐ When setting with the control panel (for printing a status sheet or etc.)

Press  button to select the cut method.

Icon	Description
	Roll Auto Cut On
	Roll Auto Cut Off

- ☐ When setting from a computer

Select “Auto Cut” in the “Paper Setting” window of the printer driver.



HOW TO CUT

- ☐ Auto cut



The printer automatically cuts paper with the built-in cutter each time a page is printed.

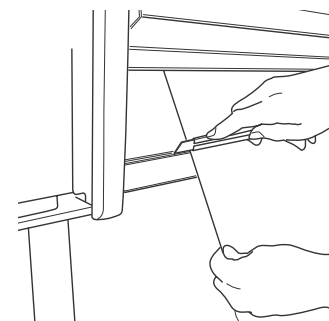
- ☐ Manual cut

Follow the procedure below to cut paper at the desired position.

1. After a page is printed, press the  button to advance the paper to the cut position.
2. Hold down the  button for 3 seconds or longer.
The built-in cutter moves and cuts the paper.



When the paper type is the one that the built-in cutter does not support, pressing the  button advances the paper to the position for manual cutting using a commercially available cutter. Cut the paper manually with your cutter along the lower frame of the front cover. When cutting is completed, press the  button to return the panel display to the normal standby status.



1.4 Dimensions and Main Components

This section provides the printer dimensions and shows the main components.

1.4.1 Dimensions and Weight

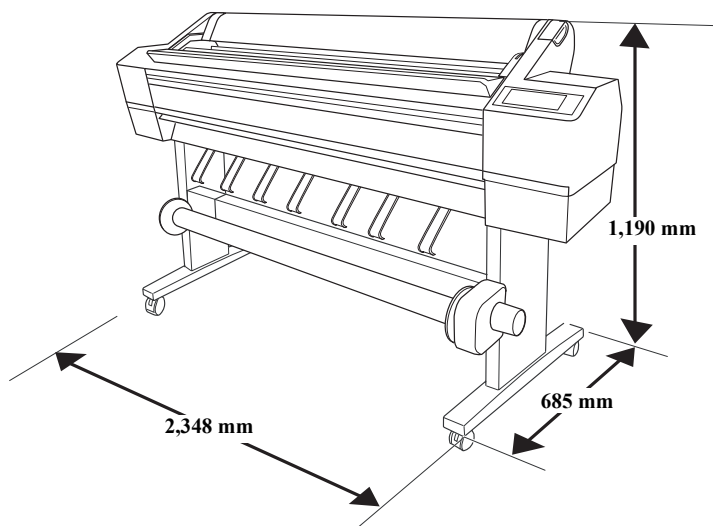


Figure 1-3. Printer Dimensions (standard)

□ Dimensions

- Standard (with the Auto Take-up Reel Unit):
2,348 (W) x 685 (D) x 1,190 (H) mm
- Without the Auto Take-up Reel Unit:
2,348 (W) x 667 (D) x 1,190 (H) mm
- When using the Paper Basket:
2,348 (W) x 740 (D) x 1,190 (H) mm

□ Weight

- Printer main body and the Base Unit (excludes the ink cartridges and paper):
Approx. 150.5 kg
- Printer main body only (excludes the ink cartridges and paper):
Approx. 127.3 kg
- The Base Unit and the Auto Take-up Reel unit: Approx. 23.2 kg

1.4.2 Part Names

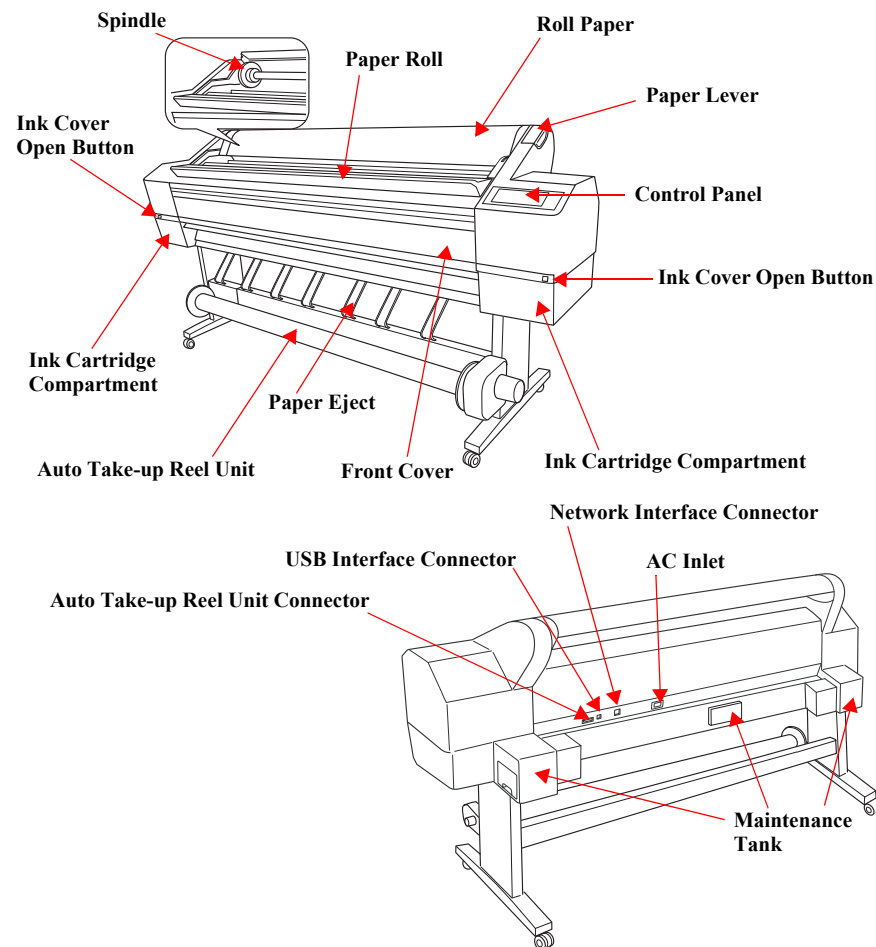


Figure 1-4. Part Names

1.5 Control Panel

BUTTONS AND LIGHTS

