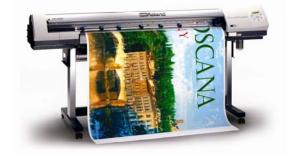


Specifications

The Roland VersaCAMM VP-300i & VP-540i



Specifications

VP-540i

VP-300i

Width 8.3 to 54 in (210 to 1,371 mm) 7.2 to 30 in (182 to 762 mm) Media Thickness Maximum 1.0 mm (39 mil) with liner, for printing Maximum 0.4 mm (16 mil) for cutting Roll outer diameter Maximum 0.4 mm (16 mil) for cutting Roll weight Maximum 66 lb (30 kg) Maximum 44 lb. (20 kg) Core diameter 2 in (50.8 mm) or 3 in (76.2 mm) Printing/cutting width (*1) Maximum 53 in (1,346 mm) Maximum 29 in (736 mm) Ink cartridges Type Roland ECO-SOL MAX INK Ink cartridges Capacity 220 cc or 440 cc Color Four colors (cyan, magenta, yellow, and black) Printing resolution (dots per inch) Maximum 1,440 dpi Blade force 30 to 300 gf Blade ofree 30 to 300 gf Distance accuracy (when cutting) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±3.0 mm, whichever is greater Media heating system (*7) Error of less than ±0.5% of distance traveled, or ±3.0 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm, vinchever is greater Alignment accuracy for	Printing technology		Piezoelectric inkjet		
Media Initial National State Sta	Media	Width	8.3 to 54 in (210 to 1,371 mm)	7.2 to 30 in (182 to 762 mm)	
Interview Maximum 7 in (180 mm) Roll weight Maximum 66 lb. (30 kg) Maximum 44 lb. (20 kg) Core diameter 2 in (50.8 mm) or 3 in (76.2 mm) Printing/cutting with (*1) Maximum 53 in (1.346 mm) Maximum 29 in (736 mm) Image: the second		Thickness			
Core diameter 2 in (50.8 mm) or 3 in (76.2 mm) Printing/cutting width (*1) Maximum 53 in (1,346 mm) Maximum 29 in (736 mm) Ink cartridges Type Roland ECO-SOL MAX INK Capacity 220 cc or 440 cc Color Four colors (cyan, magenta, yellow, and black) Printing resolution (dots per inch) Maximum 1,440 dpi Cutting speed 10 to 300 mm/s Blade force 30 to 300 gf Blade offset 0 to 0.059 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater #0.5 mm or less Alignment accuracy for printing and cutting (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Media heating system (*7) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is			Maximum 7 in (180 mm)		
Printing/cutting vidth (*1) Maximum 53 in (1,346 mm) Maximum 29 in (736 mm) Ink cartridges Type Roland ECO-SOL MAX INK Ink cartridges Capacity 220 cc or 440 cc Printing resolution (dots per inch) Maximum 1,440 dpi Cutting speed 10 to 300 mm/s Blade force 30 to 300 gf Blade offset 0 to 0.055 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance corection has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm or less Alignment accuracy for printing and cutting vhen reloading media (*3) (*6) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Diver, setting range for the preset temperature: 86 to 112°F (30 to 50°C) Error of less than ±0.5% of distance traveled, or ±3.7 mm, whichever is greater Repeatability (when cutting) (*1) (*2) Error of less than ±0.5% of distance traveled, or ±3.7 mm, whichever is greater Repeatability (when cutt		Roll weight	Maximum 66 lb. (30 kg)	Maximum 44 lb. (20 kg)	
Type Roland ECC-SOL MAX INK Ink cartridges Capacity 220 cc or 440 cc Color Four colors (cyan, magenta, yellow, and black) Printing resolution (dots per inch) Maximum 1,440 dpi Cutting speed 10 to 300 gf Blade force 30 to 300 gf Blade offset 0 to 0.059 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING ICUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 AC 100 to 120 V ±10%, 5.5 A, 50/60 Heating system (*7) Ethernet (10BASE-T/10BASE-TX, automatic switching) Power requirements		Core diameter	2 in (50.8 mm) or 3 in (76.2 mm)		
Ink cartridges Capacity 220 cc or 440 cc Printing resolution (dots per inch) Color Four colors (cyan, magenta, yellow, and black) Printing resolution (dots per inch) Maximum 1,440 dpi Cutting speed 10 to 300 mm/s Blade force 30 to 300 gf Blade offset 0 to 0.059 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater Menutry (*3) (*4) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Alignment accuracy for printing and cutting when reloading media (*3) (*6) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Diver, setting range for the preset temperature: 86 to 122°F (30 to 45°C) C10 to	Printing/cutting width (*1)		Maximum 53 in (1,346 mm)	Maximum 29 in (736 mm)	
Color Four colors (cyan, magenta, yellow, and black) Printing resolution (dots per inch) Maximum 1,440 dpi Cutting speed 10 to 300 mm/s Blade force 30 to 300 gf Blade offset 0 to 0.059 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Alignment accuracy for printing and cutting when reloading media (*3) (*6) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 50°C) Media heating system (*7) Ethernet (10BASE-T/100BASE-TX, automatic switching) Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or AC 200 to 240 V ±10%, 3.9 A,		Туре	Roland ECO-SOL MAX INK		
Printing resolution (dots per inch) Maximum 1,440 dpi Cutting speed 10 to 300 mm/s Blade force 30 to 300 gf Blade offset 0 to 0.059 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater Alignment accuracy for printing and cutting (*3) (*5) ±0.5 mm or less Alignment accuracy for printing and cutting (*3) (*5) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Media heating system (*7) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 50°C) Connectivity Ethernet (10BASE-T/100BASE-TX, automatic switching) Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 Hz AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz Power co	Ink cartridges	Capacity	220 cc or 440 cc		
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Blade force 30 to 300 gf Blade offset 0 to 0.059 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting (*3) (*5) £rror of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Alignment accuracy for printing and cutting when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Dryer, setting range for the preset temperature: 86 to 112°F (30 to 50°C) Connectivity Ethernet (10BASE-T/100BASE-TX, automatic switching) Hz or Power requirements AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or AC 220 to 240 V ±10%, 5.5 A, 50/6			Maximum 1,440 dpi		
Blade offset 0 to 0.059 in (0 to 1.5 mm) Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING When distance traveled, or ±0.1 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting (*3) (*5) ±0.5 mm or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Connectivity Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or Hz or Hz or Hz or Power consumption During operation Approx. 1,030 W Approx. 730 W	Cutting speed		10 to 300 mm/s		
Software resolution (when cutting) 0.025 mm/step Distance accuracy (when printing) (*2)(*3) Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when printing) (*2)(*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting (*3) (*5) ±0.5 mm or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Media heating system (*7) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 50°C) Connectivity Ethernet (10BASE-T/100BASE-TX, automatic switching) Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 Hz or AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or Power requirements During operation Ac 200 to 240 V ±10%, 3.9 A, 50/60 Hz or AC 200 to 240 V ±10%, 2.8 A, 50/60 Hz or Power consumption During operation	Blade force		30 to 300 gf		
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Distance accuracy (when printing) (*2)(*3) greater Distance accuracy (when cutting) (*3) Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting (*3) (*5) ±0.5 mm or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Dryer, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Dower-saving function Act 100 to 120 V ±10%, 7.6 A, 50/60 AC 100 to 120 V ±10%, 5.5 A, 50/60 Power requirements Act 100 to 120 V ±10%, 7.6 A, 50/60 AC 220 to 240 V ±10%, 5.5 A, 50/60 Hz or Hz or Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz Hz Power consumption During operation Approx. 1,030 W Approx. 730 W	Software resolution (when cutting)		0.025 mm/step		
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Repeatability (when cutting) (*3) (*4) ±0.1 mm or less Alignment accuracy for printing and cutting (*3) (*5) ±0.5 mm or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Media heating system (*7) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Power-saving function Altomatic sleep feature Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or Power consumption During operation Approx. 1,030 W Approx. 730 W	Distance accuracy (when cutting) (*3)		greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of		
(*3) (*5) ±0.5 min or less Alignment accuracy for printing and cutting when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Media heating system (*7) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Connectivity Ethernet (10BASE-T/100BASE-TX, automatic switching) Power-saving function Act 100 to 120 V ±10%, 7.6 A, 50/60 Hz or Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz or Hz Hz Power consumption During operation Approx. 1,030 W Approx. 730 W	Repeatability (when cutting) (*3) (*4)				
when reloading media (*3) (*6) Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater Media heating system (*7) Print heater, setting range for the preset temperature: 86 to 112°F (30 to 45°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Connectivity Ethernet (10BASE-T/100BASE-TX, automatic switching) Power-saving function Act 100 to 120 V ±10%, 7.6 A, 50/60 Hz or AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or Power requirements AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz AC 220 to 240 V ±10%, 2.8 A, 50/60 Hz Act 220 to 240 V ±10%, 7.30 W	Alignment accuracy for printing and cutting		±0.5 mm or less		
Media heating system (*7) 45°C) Dryer, setting range for the preset temperature: 86 to 122°F (30 to 50°C) Connectivity Ethernet (10BASE-T/100BASE-TX, automatic switching) Power-saving function Automatic sleep feature Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 Hz or AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or Power consumption During operation Approx. 1,030 W Approx. 730 W					
Connectivity Ethernet (10BASE-T/100BASE-TX, automatic switching) Power-saving function Automatic sleep feature Power requirements AC 100 to 120 V ±10%, 7.6 A, 50/60 Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz Power consumption During operation Approx. 1,030 W Approx. 730 W	Media heating system (*7)		45°C)		
AC 100 to 120 V ±10%, 7.6 A, 50/60 Hz or AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or Power requirements AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz or Power consumption During operation Approx. 1,030 W	Connectivity				
Power requirements Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60 Hz Hz or AC 220 to 240 V ±10%, 2.8 A, 50/60 Hz Power consumption During operation Approx. 1,030 W Approx. 730 W	Power-saving function		Automatic sleep feature		
During operation Approx. 1,030 W Approx. 730 W	Power requirements		Hz or AC 220 to 240 V ±10%, 3.9 A, 50/60	Hz or AC 220 to 240 V ±10%, 2.8 A, 50/60	
	Power consumption				
		Sleep mode	Approx. 17 W	Approx. 17W	



Acoustic noise level	During operation	64 dB (A) or less (according to ISO 7779)	64 dB (A) or less (according to ISO 7779)
	During standby	40 dB (A) or less (according to ISO 7779)	40 dB (A) or less (according to ISO 7779)
Dimensions	With Stand	90.9" (W) x 29.1" (D) x 44.3" (H) [2310mm (W) x 740mm (D) x 1125mm (H)]	66.9" (W) x 29.1" (D) x 44.3" (H) [1700mm (W) x 740mm (D) x 1125mm (H)]
Weight (with stand)		240 lb. (109 kg)	193 lb. (87.5 kg)
Environmental	Power on	Temperature: 59 to 90°F (15 to 32°C); 68°F (20°C) or more recommended], Humidity: 35 to 80% RH (non-condensing)	
	Power off	Temperature: 41 to 104°F (5 to 40°C), humidity: 20 to 80% RH (non- condensing)	
Included items		Stand, power cord, blade, blade holder, media clamps, media flanges, replacement blade for separating knife, cleaning kit, software RIP, and User Manual	

*1 The length of printing or cutting is subject to the limitations of the program.

*2 Using Roland specified media, print travel of 1m, temperature: 77°F (25°C), humidity: 50%RH

*3 Not assured when the print heater or dryer is used.

*4 Using Roland specified media, loaded on the shaft, [PREFEED] menu item must be set to "ENABLE," with 25mm or more for both right and left margins and 35mm or more front margin, excluding expansion or contraction of the media. VP-540: Media 610mm wide or over and 4,000mm long. Media 610mm wide or less and 8,000mm long. VP-300: media

3,000mm long. 3,000mm long. The second secon

*5 Provided that media length is under 3,000 mm. Temperature: 77°F (25°C)

Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.

*6 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 1,346 mm (VP-540) or 736 mm (VP-300) in the carriage-movement direction.

No lamination. Automatic detection of crop marks at 4 points when media is reloaded.

During cutting, [PREFEED] menu item must be set to "ENABLE." Temperature: 77°F (25°C)

(Excludes the influence of misalignment, slant, expansion or contraction of the media)

*7 Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment.

The preset temperature may fail to be reached depending on the ambient temperature and media width.

