Large Format Print Solutions ideal for CAD & GIS

iPF605

you can

The **imagePROGRAF iPF605** is a 24" large format printers, ideal for printing fine lines, re-creating vivid colours and producing high quality detailed images. With a 1,200 dpi resolution, solid image consistency and high quality text reproduction this printer is perfect for the CAD/GIS market.

iPF605
24 INCH
2,400 X 1,200DPI
5 COLOURS
A1 33 SECONDS
15,360 NOZZLES
HP GL/2 & HP RTL COMPATIBLE
BORDERLESS PRINTING

Key Features

- Sharper, thinner lines and high black density for CAD plan production
- Great colour output with brilliant text and less abrasion
- Economy Printing Mode for lower running costs

- Superb graphics with vivid colours and solid image consistency
- Incredible print speeds – A1 in 33 seconds
- HPGL/2 and HP RTL compatibility and includes HDI Driver for CAD applications as standard

- Large LCD with graphics ensures easy operation
- High performance, high durability cutter incorporated for a professional finish
- Compact and quiet - it's the output not the noise that gets you noticed

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Specifications: iPF605

Class	24-inch
Ink Type	Pigment and Dye reactive ink, 5 colours (MBK x 2, BK, C, M, Y)
Maximum Print Resolution	2,400 x 1,200 dpi
Printing Speed	
(A1 Roll, Full Colour Image)	
Plain paper	0:33 (Fast-CAD)
Coated Paper	1:19 (Standard-CAD)
Photo Glossy Paper	2:44 (Standard-Full Colour Image)
Dimensions, Weight (Net)	
W x D x H (mm), (kg)	
	iPF605
Main Unit	997 (W) x 670 (D) x 344 (H) mm; Weight approx. 45 kg
Main Unit with stand	997 (W) x 870 (D) x 993 (H) mm; Weight approx. 60 kg
	iPF605
Main unit with palette	1.140 (W) x 914 (D) x 645 (H) mm; Weight approx. 69 kg
Printer Stand	1,115 (W) x 864 (D) x 237 (H) mm; Weight approx. 22 kg
Power Supply	
Input power	AC 100 - 120 V (50/60 Hz) – AC 220 - 240V (50/60Hz)
Power consumption	100 W or less
Standby power consumption	
(At the low power mode)	
220 V - 240 V	6 W or less (when IEEE1394 is mounted, 11 W or less)
100 V - 120 V	5 W or less (when IEEE1394 is mounted, 10 W or less)
Power off (standby)	1 W or less (In compliance with Executive Order of the President of the United States of America)
Operational Environment	Temperature: 15 - 30ºC, Humidity: 10 - 80% (Condensation free)
Acoustic Noise	
Acoustic pressure	Operation: 49dB (A) or less (iPF605)/52dB (A) or less (iPF610), Standby 35dB (A) or less
Acoustic power	Operation: 6.3 Bels or less (iPF605)/6.6 Bels or less (iPF610)
Minimal Line Width	0.02 mm (Theoretical value)
Line Accuracy	±0.1 % or less (User adjustments necessary. Printing environment media must match that used for the adjustments. CAD paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only.)
Operation Panel Display	Large LCD: 160 x 128 dots, Key x 12, LED x 5
Language on operation panel	US-English, Japanese
Displayable Language on LCD	US-English, French, German, Italian, Spanish, Chinese, Korean, Japanese (Kanji), Russian
Printer Language	GARO, HP-GL/2, HP RTL
Interface	
USB2.0 Hi-Speed	
Type	Built-in
Mode	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer
Connector type	Series B (4 pins)
Ethernet	
Type	Built-in
Standard	IEEE 802.3 10base-T
	IEEE 802.3u 100base-TX / Auto-Negotiation
	IEEE 802.3 x Full Duplex
Protocol	IPX/SPX (Netware 4.2(J), 5.0(J), 6.0(J))
	SNMP (Canon-MIB), HTTP, TCP/IP, AppleTalk
IEEE1394 (Option)	
Type	Slot card type
Standard	IEEE1394 - 1995, P1394a, Half duplex, Data/Strb differential serial
Data-transfer time	100 / 200 / 400 Mbit/sec.
Connector type	In compliance with IEEE1394 - 1995, 6 pins, No power supply
Operating Systems supported	Windows 2000, XP, Server 2003, Vista / Macintosh OS 9, OS X
Regulations	CE Mark, CB Certification, TUV (GS), Gost-R, UL, FCC class B

PRINT HEAD	
Model	PF-03
Type	Bubble-jet on demand
Head configuration	6 colours integrated type (6 chips per print head)
Nozzle pitch	1,200 dpi x 2
Nozzle per chip	MBK: 5,120 nozzles, Other Colours: 2,560 nozzles each
Droplet size	4 pl per colour

INK TANK	
Model	PFI-102 (130 ml) MBK, BK, C, M, Y

MEDIA HANDLING	
Roll paper	Top-loading, front output (front feeding, front output for thick media)
Cut sheet	Front-loading, Front Output
Cut Sheet	
(Cassette - iPF610 only)	Front loading, front output
Media type	
Roll paper	Standard Paper 80 gsm, Standard Paper 90 gsm, Matt Coated Paper 90 gsm, Glossy Photo Quality Paper 190 gsm / 240 gsm / 300 gsm, Satin Photo Quality Paper 190 gsm / 240 gsm / 300 gsm, Photo Realistic Paper 210 gsm, Pearl Photo Paper 260 gsm, Matt Coated Paper 120 gsm / 140 gsm / 180 gsm, Opaque White Paper 120 gsm, High Resolution Self-adhesive Graphic Paper 140 gsm, High Resolution Barrier Paper 180 gsm, Glossy Proofing Paper 195 gsm, Semi-Glossy Proofing Paper 195 gsm / 255 gsm.
Media Size	
Roll paper (width)	ISO: A3, A2, A1, JIS: B4, B2, ARCH: D 24" Others: 8", 10", 14", 16", 17", 300 mm, A3+ (329 mm)
Cut Sheet	ISO: A4, A3, A3+, A2, A1, B4, B3, B2, DIN: C4, C3, C2, JIS: B4, B3, B2, ANSI: 8.5 x 11", 8.5 x 14", 11 x 17", 13 x 19", 17 x 22", 22 x 34", ARCH: 9 x 12", 12 x 18", 18 x 24", 24 x 36", Photo: 20 x 24", 18 x 22", 14 x 17", 12 x 16", 10 x 12", 10 x 15", 16 x 20" (US Photo size), Poster: 20 x 30", 300 x 900 mm, Others: 13 x 22", 17 x 24"
Cut Sheet (Cassette)	ISO: A4, A3, A3+, A2; JIS: B4, B3; ANSI: 8.5 x 11", 8.5 x 14", 11 x 17",
(Cassette - iPF610 only)	13 x 19", 17 x 22"; ARCH: 12 x 18"; Photo: 14 x 17", 12 x 16", 10 x 12", 10 x 15", 8 x 10", 16 x 20" (US Photo size); Others: 13 x 22"
Media Thickness	Roll paper & Cut sheet: 0.07 - 0.8 mm
Maximum Outside Diameter of Roll Paper	150.0 mm
Media Core Size	Internal diameter of roll core: 2" / 3" (Option)
Media Width	Roll paper: 203 – 610 mm
	Cut sheet: 203 – 610 mm
Minimal Printable Paper Length	203 mm
Maximum Printable Paper Length	Roll paper: 18 m (Varies according to the OS and application)
	Cut sheet: 1.6 m
Margins	
(Top, Bottom, Sides)	
Recommended area	Roll paper: Top: 20 mm, Bottom: 5 mm, Side: 7 mm
	Cut Sheet (Top loading/Cassette): Top: 20 mm, Bottom: 27 mm, Side: 5 mm
	Cut Sheet (Front Loading) Top: 20 mm, Bottom: 23 mm, Side: 5 mm
Printable area	Roll paper: Top: 3 mm, Bottom: 3 mm, Side: 3 mm
	Roll paper (borderless print): Top: 0 mm, Bottom: 0 mm, Side: 0 mm
	Cut Sheet (Front loading) Top: 3 mm, Bottom: 23 mm, Side: 3 mm
	Cut Sheet (Top loading/Cassette): Top: 3 mm, Bottom: 3 mm, Side: 3 mm
Media width for borderless printing	10" (254 mm), B4 (257 mm), A3+ (329 mm), 14" (356 mm), 16" (407 mm), A2 (420 mm), A2+/17" (432 mm), B2 (515 mm), A1 (594 mm), 24" (610 mm)

OPTION	
Printer Stand	ST-24
Roll Holder Set	RH2 - 24 (2-inch core spindle with 3-inch media tube attachment and borderless printing space)
IEEE1394 Expansion Board	EB-05

CONSUMABLES	
Ink Tank	PFI-102 (130 ml) ; MBK, BK, C, M, Y
Print Head	PF-03
Maintenance Cartridge	MC-16

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Canon recommends you use Canon Media for the best results. Please check media (paper) compatibility list to see which variety of paper/media is recommended.

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