WORK WITH *SPEED* AND *PRECISION*

imagePROGRAF iPF680 / iPF685

imagePROGRAF iPF680 and iPF685 Large Format printers for CAD and GIS.

Now you can produce consistently impressive quality output up to 24" (A1) with speed and precision.

These versatile, easy-to-use models offer a range of clever features designed to enhance productivity for an excellent return on your investment.

Interface lock
Restricted access with a password

Flat stacker/basket
Neatly stacks up to 20 A1 prints

Top loading media
Space saving design with convenient operation and easy to use

Sub-ink tank system
Ink can be changed without interrupting a print job

Accounting Manager
Software helps keep track of printing costs

At a glance

- 24 inch
- 2400 x 1200 dpi
- Min line width 0.02mm
- 5 colour reactive ink
- Optional 300ml bulk ink tanks
- 4pl ink droplet
- Borderless printing
- Economy printing mode

imagePROGRAF

:::FINE
Full-photolithography Inkjet Nozzle Engineering

L-COA

ENERGY STAR

PLAN PRINT SYSTEMS INC.

Canon

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imagePROGRAF iPF680/685
product specifications

MAIN UNIT

Model		iPF680 & iPF685
Class		24-inch
Ink Type		Dye and pigment reactive ink: BK, MBK , C, M, Y
Maximum Print Resolution		2, 400 x 1, 200 dpi
Installation		User installation
Printer Stand	Type	Assembly type (The printer stand is included with it in the same package.)
Dimensions, Weight (Net) W x D x H (mm), (Kg)	Main unit + Printer Stand (with a basket open)	W997xD887xH1062mm (When with basket open) W997xD1100xH1062mm (When a basket is at the extended position for flatbed stacking) Weight: iPF680 = 56.7kg; iPF685 = 56.9kg (roll holder included, no inks, no print heads)
Power Supply	Input power	AC 100 - 240 V (50-60 Hz)
	Power consumption	Operation: 140 W or less
	Standby power consumption (At the low power mode) 100 V - 120V	5 W or less
	220 V - 240 V	5 W or less
	Power off (standby)	0.5 W or less
Operational Environment		Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)
Acoustic Noise	Acoustic pressure	Operation: approx. 47 dB (A) (Plain paper, Standard printing mode, Line Drawing/Text) Standby: 35 dB (A) or less Measured in the above conditions, based on ISO 7779
	Acoustic power (LWAd)	Operation: approx. 6.4 Bels (Plain paper, Standard printing mode, Line Drawing/Text) Measured in the above conditions, based on ISO 7779
Minimal Line Width		0.02 mm**
Line Accuracy		±0.1 % or less*
Detector and Adjustment	Registration adjustment	Automatic / Manual
	Banding adjustment (Line Feed adjustment)	Automatic / Manual
	Line length adjustment	Manual
	Head slant adjustment	Automatic / Manual
	Color calibration	No
	Head gap adjustment	Automatic / Manual (6 levels)
	Non-firing detection	Yes
	Non-firing compensation	Yes
	Roll media remaining detection function	Yes
Memory	Standard memory	iPF680 = 256MB; iPF685 = 32GB (virtual), 256MB (physical)
	Expansion slot	None
Firmware Languages	Printer language	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL
	Job control	CPCA
	Status reply	CPCA, SNMP-MIB (Standard MIB, Canon-MIB)
	Type	Flash ROM
	Update	Updated from USB, 1394, Ethernet port (Utility use)
Operation Panel	Display	Large LCD: 160 x 128 dots; Key x 13, LED x 5
	Language on operation panel	US-English, Japanese
	Languages	US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Russian, Brazilian portuguese language, Japanese (Kanji)
Hard Disk Drive		iPF680 = None; iPF685 = 320GB
Interface	USB: 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 802.3ab 1000base-T / Auto-Negotiation IEEE 802.3x Full Duplex IEEE 802.3az EEE
	Protocol	SNMP (Canon-MIB supported), HTTP, TCP/IP (IPv4/IPv6)
Expansion Slot		None

PRINT HEAD

Model	PF-04
Type	Bubble-jet on demand
Head configuration	6 colors integrated type (6 chips per print head x 1 print head)
Nozzle pitch	1, 200 dpi x 2
Nozzle per chip	MBK: 5, 120 nozzles, each other color: 2, 560 nozzles
Droplet size	4 pl (per color)
Head replacement	User replacement

INK TANK

Model	MBK/BK/C/M/Y - PFI107(130ml) & PFI207(300ml)
Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)
Colors	MBK, BK, C, M, Y
Capacity	Bundled starter ink : 90 ml (Only MBK 130ml), sales ink : 130 ml / 300ml
Level detection	Detected by dot count and electrode (Empty)
Smart chip	Each ink tank is equipped with EEPROM which stores its ink level.

CUTTER

Model	-
Type	Standard: Automatic horizontal cutting (Rotary cutter)
Cutter durability (cuts)	Adhesive media: 25,000 cuts, Non-adhesive media: 100,000 cuts
Replacement	Service replacement

MEDIA HANDLING

Roll paper			One Roll, top loading, front output
Cut sheet			Top-feeding, front output (Manual feed using media locking lever)
Paper path switch (roll/cut sheet)			Manually switchable by user
Delivery direction			Face-up, front side
Maximum stacking number of delivered prints			- 1 sheet: In case of the regular basket position. - Approx. 20 sheets: In case the basket is at the extended positions. (Except for the cases where delivered prints are rolled in because of environmental impact and media curls.)
Usage environment of the extended basket / Image			At normal temparature and normal humidity (15°C 30% - 30°C 60%) / Image: Line drawing (images equivalent to the Cottage.)
Sizes of media stackable on the extended basket			Extended position A:A1 portrait or Width 24" x Length 36" Extended position B (Flatbed stacking): A2 landscape or Width 24" x Length 18"
Media Size	Roll paper (width)	ISO	A3, A2, A2+, A1
		JIS	B4, B2
		ARCH	24"
		Others	10", 14", 16", 17", Banner (300 mm)
	Cut sheet	ISO	A4, A3, A3+, A2, 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"
Media Thickness	Roll paper Cut sheet		0.07 - 0.8 mm
Max Outside Dia. of Roll Paper	Roll paper		150 mm
Media Core Size			Internal diameter of roll core: 2" / 3"
Media Width	Roll paper		254 (10") - 609.6 (24") mm
	Cut sheet		203.2 (8") - 609.6 (24") mm
Min Regular Format Size (Vertical)	Roll paper		203.2 mm (8")
	Cut sheet		279.4 mm (11"): Letter size (long side)
Max Printable Paper Length	Roll paper		18 m***
	Cut sheet		1.6 m***
Margins	Recmd area	Roll paper	Top: 20 mm, Bottom: 5 mm, Left and Right: 5 mm
		Cut sheet	Top: 20 mm, Bottom: 23 mm, Left and Right: 5 mm
	Printable area	Roll paper	Top: 3 mm, Bottom: 3 mm, Left and Right: 3 mm
		Roll paper (borderless printing)	Top: 0 mm, Bottom: 0 mm, Left and Right: 0 mm
		Cut sheet	Top: 3 mm, Bottom: 23 mm, Left and Right: 3 mm
Borderless Printing	Media width		10" (254 mm), B4 (257 mm), A3 (297 mm), Banner (300 mm), 14" (356 mm), A2 (420 mm), A2+/17" (432 mm), B2 (515 mm), A1 (594 mm), 24" (610 mm)

REGULATIONS

	Electrical safety regulations	Electromagnetic interface regulations
Australia	RCM	RCM
New Zealand		RCM

Environment certifications

America, Energy-related Products Directive, EPEAT Silver (USA), Blue Angel (Germany), Canon Green Mark (Company Regulations)

Option

Roll Holder Set (for both 2-inch and 3-inch core roll media)	RH2-26
Stand/Basket	ST-27

Consumables

Ink Tank	PFI-107 / PFI-207 MBK / BK / C / M / Y
Print Head	PF-04
Maintenance Cartridge	MC-10

Australia: call 1800 444 199 or visit canon.com.au

New Zealand: call 0800 222 666 or visit canon.co.nz

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