WORK WITH **SPEED** AND *PRECISION*

imagePROGRAF iPF780 and iPF785

The imagePROGRAF iPF780 & iPF785 Large Format printers for CAD and GIS.

Now you can produce consistently impressive quality output up to 36" (A0) 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.

At a glance

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

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Poster Artist	**Flat stacker/basket**	**Top Loading Media**	**Sub-ink tank system**	**Accounting Manager**
Design and print your own posters and signs with ease	Neatly stacks up to 20 A1 prints	Space saving design with convenient operation and easy to use	Ink can be changed without interrupting a print job	Software helps keep track of printing costs

Canon

no one sees print like you

imagePROGRAF iPF780 and iPF785 Specifications

Item	Specification
Model	iPF780 & iPF785
Class	36-inch
Ink Type	Dye and pigment reactive ink
Maximum Print Resolution	2,400 x 1,200dpi
Dimensions, Weight (Net) W x D x H (mm), (Kg)	
Main unit + Printer Stand (with a basket open)	1,304 (W) x 877 (D) x 1,062 (H) mm(When with basket open) 1,304 (W) x 1,100 (D) x 1,062 (H) mm(When a basket is at the extended position for flatbed stacking) Weight: TBD (approx.68.1kg) (roll holder included, no inks, no print heads)
Dimensions, Weight (Packaged) W x D x H (mm), (Kg)	
Main unit (with a printer stand, basket, and palette included)	1,434 (W) x 1130 (D) x 795 (H) mm; Weight: 113kg
Power Supply	
Input power	AC 100 - 240 V (50-60 Hz)
Power consumption - Operation	140W or less
Power consumption - Standby	5W or less
Power off (standby)	0.5W or less
Operational Environment	
Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
Acoustic Noise	
Acoustic pressure	Operation: approx. 48 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 (LWA ₐ)	Operation: approx. 6.5 Bels (Plain paper, Standard printing mode, Line Drawing/Text). Measured in the above conditions, based on ISO 7779
Minimal Line Width	
0.02mm (Theoretical value)	
Line Accuracy	
±0.1 % or less. User adjustments necessary. Printing environment and media must match those used for the adjustments. CAD paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only	
Detector and Adjustment	
Registration adjustment	Automatic / Manual
Banding adjustment (Line Feed adjustment)	Automatic / Manual
Line length adjustment	Manual
Head slant adjustment	Automatic / Manual
Colour 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	iPF780 - 256MByte. iPF785 - 32GB (256 Mbyte)
Expansion slot	No
Firmware	
Languages - Printer Language	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL
Languages - Job Control	CPCA
Languages - 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	
320GB (iPF785 only)	
Interface	
USB - Type	Built-in
USB - Mode	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer
USB - Connector Type	Series B (4 pins)
Ethernet - Type	Built-in
Ethernet - 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
Ethernet - Protocol	SNMP (Canon-MIB supported), HTTP, TCP/IP (IPv4/IPv6)
Expansion Slot	
No	

Media Handling	
Media Feed and Output - Roll Paper	One Roll, top loading, front output
Media Feed and Output - Cut sheet	Top-feeding, font output (Manual feed using media locking lever)
Media Feed and Output - Paper path switch (roll/cut sheet)	Manually switchable by user
Media Feed and Output - Delivery direction	Face-up, front side
Media Feed and Output - 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.)
Media Feed and Output - Types of media stackable on the extended basket	Plain Paper / Universal Bond Paper / Canon Premium Plain Paper 80
Media Feed and Output - Usage environment of the extended basket /Image	At normal temperature and normal humidity (15°C 30% - 30°C 60%) / Image: Line drawing (images equivalent to the Cottage.)
Media Feed and Output - Sizes of media stackable on the extended basket	Extended position A:A0 portrait or Width 36" x Length 48"; A1 portrait or Width 24" x Length 36" Extended position B (Flatbed stacking): A1 landscape or Width 36" x Length 24"; A2 landscape or Width 24" x Length 18"
Media Thickness - Roll paper	0.07 - 0.8mm
Media Thickness - Cut sheet	0.07 - 0.8mm
Max. Outside Diameter of Roll Paper	150mm
Media Core Size	Internal diameter of roll core: 2" / 3"
Media Width - Roll paper	254 (10") - 914.4 (36") mm
Media Width - Cut sheet	203.2 (8") - 917 (DIN C0) mm
Min. Regular Format Size (Vertical) - Roll Paper	203.2mm (8")
Min. Regular Format Size (Vertical) - Cut Sheet	279.4 mm (11") Letter size (long side)
Max. Printable Paper Length - Roll Paper	18m (Varies according to the OS and application)
Max. Printable Paper Length - Cut sheet	1.6m (Varies according to the OS and application)
Margins Recommended area - Roll paper	Top: 20mm, Bottom: 5mm, Left and Right: 5mm
Margins Recommended area - Cut sheet	Top: 20mm, Bottom: 23mm, Left and Right: 5mm
Margins Printable area - Roll paper	Top: 3mm, Bottom: 3mm, Left and Right: 3mm
Margins Printable area - Roll paper (borderless printing)	Top: 0mm, Bottom: 0mm, Left and Right: 0mm
Margins Printable area - Cut sheet	Top: 3mm, Bottom: 23mm, Left and Right: 3mm
Borderless Printing - Media width	10" (254mm), B4 (257mm), A3 (297mm), Banner (300mm), 14" (356mm), A2 (420mm), A2+/17" (432mm), B2 (515mm), A1 (594mm), 24" (610mm)

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

Environment certifications	
ENERGY STAR, RoHS directive	

Option	
Roll Holder Set (for both 2-inch and 3-inch core roll media)	RH2-33

Consumables	
Print Head - Model	PF-04
Print Head - Type	Bubble-jet on demand
Print Head - Head configuration	6 colours integrated type (6 chips per print head x 1 print head)
Print Head - Nozzle pitch	1, 200 dpi x 2
Print Head - Nozzle per chip	MBK: 5, 120 nozzles, each other colour: 2,560 nozzles
Print Head - Droplet size	minimum 4pl (per colour)
Ink Tank - Model	PFI107 - 130ml, PFI207 - 300ml
Ink Tank - Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)
Ink Tank - Colours	Matte Black, Black, Yellow, Cyan, Magenta
Ink Tank - Capacity - Bundled	90 ml per colour
Ink Tank - Capacity - Sales	130 ml or 300ml per colour
Ink Tank - Level detection	Detected by dot count and electrode (Empty)
Ink Tank - Smart chip	Each ink tank is equipped with EEPROM which stores its ink level.