

VERSATILITY THAT **GROWS** WITH YOUR *BUSINESS*

imagePROGRAF iPF850



The imagePROGRAF iPF850 Large Format Printer for CAD and graphics

Now you can consistently produce high quality, high volume sets of prints with reduced post collation requirements. Stacking up to 100 sheets, in order, is just one of the clever features this model can offer you.

At a glance

- 44 inch
- 2400 x 1200dpi
- Min line width 0.02mm
- High capacity stacking system
- 4pl ink droplet
- Borderless printing
- Dual roll loading



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Poster Artist

Design and print your own posters and signs with ease



Flat Stacking

Neatly stack up to 100 A0 prints



Front 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



Dual roll

Load two rolls simultaneously with auto-switching depending on your print requirements

Canon

no one sees print like you

imagePROGRAF iPF850 Specifications



Item	Specification
Model	iPF850
Class	44-inch
Ink Type	Dye and pigment reactive ink
Maximum Print Resolution	2400×1200dpi
Dimensions, Weight (Net) W x D x H (mm), (Kg)	
Main unit + Printer Stand (with a basket open)	Main unit with printer stand, lower roll, lower rail L/R, and stacker. 1893(W) x 1320(D) x 1144(H)mm Weight: approx. 213kg (roll holder included, no inks, no print heads)
Main unit (with a printer stand, and palette included)	2080mm(W) x 1060mm(D) x 1220mm(H) Weight: approx. 174kg
Stacker, Lower roll unit, Lower rail (palette included) (RS-01)	2080mm(W) x 1060mm(D) x 1026mm(H) Weight: approx. 140kg
Power Supply	
Input power	AC 100-240V (50-60Hz)
Operation Power consumption	190W or less
Standby power consumption (At the low power mode)	5.0W or less
Default setting for the time to enter the Sleep mode	approx. 5min
Power off (standby)	0.5W or less
Operational Environment	
Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
Acoustic Noise	
Acoustic pressure	Operation: 60 dB (A) or less, Standby: 35 dB (A) or less. Measured in the above conditions, based on ISO 7779
Acoustic power (LWA _d)	Operation: 7.5 Bel or less Measurement Conditions : Plain paper, standard mode (1pass/25ips) / Normal temperature and normal humidity
Minimal Line Width	
0.02mm (Theoretical value)	
Line Accuracy	
±0.1 % or less - Without Stacker. 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 - With Stacker. User adjustments necessary. Printing environment and media must match those used for the adjustments. CAD paper required: Plain paper 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 (5 levels)
Non-firing detection	Yes
Non-firing compensation	Yes
Roll media remaining detection function	Yes
Memory	
Standard memory	32GB (512 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, 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	
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	
Cutter	
Type	Standard: Automatic horizontal cutting (Rotary cutter)
Media Handling	
Media Feed and Output - Roll paper	2 rolls (Front-loading, Front Output)
Media Feed and Output - Cut sheet	Front-loading, Front Output (Manual feed using media locking lever)
Media Feed and Output - Paper path switch (roll/cut sheet)	Roll/cut sheet manually switchable by user; upper/lower roll automatically switchable
Delivery Direction	Face-up, front side
Media Take-up Unit	No
Maximum stacking number of delivered prints	- 1 sheet: In case of using standard basket. - 100 sheets: In case of using stacker with conditions.
Stacker usage environment / Image	At normal temperature and normal humidity (15°C 30% - 30°C 60%). Image: Line drawing (images equivalent to the Cottage.)
Available size of media for stacker	A4 Landscape - B0 Portrait
Media Thickness - Roll paper	0.07 - 0.8mm
Media Thickness - Cut sheet	0.07 - 0.8mm
Maximum Outside Diameter of Roll Paper	150mm or less
Media Core Size	Internal diameter of roll core: 2" / 3"
Media Width - Roll paper	254 - 1118mm
Media Width - Cut sheet	203 - 1118mm
Minimum Regular Format Size	203mm
Maximum Printable Paper Length - Roll paper	18m (Varies according to the OS and application)
Maximum Printable Paper Length - Cut sheet	1.6m
Margins Recommended area - Roll paper	Top: 20mm, Bottom: 5mm, Side: 5mm
Margins Recommended area - Cut sheet	Top: 20mm, Bottom: 23mm, Side: 5mm
Margins Printable area - Roll paper	Top: 3mm, Bottom: 3mm, Side: 3mm
Margins Printable area - Roll paper (borderless printing)	Top: 0mm, Bottom: 0mm, Side: 0mm
Margins Printable area - Cut sheet	Top: 3mm, Bottom: 23mm, Side: 3mm
Borderless Printing - Media width	515mm (JIS B2), 1,030mm (JIS B0), 594mm (ISO A1), 841mm (ISO A0), 10", 14", 17", 24", 36", 42" (Borderless Printing is impossible when stacker is used.)
Regulations	
Australia	RCM
New Zealand	RCM
Electrical safety regulations	
Electromagnetic interface regulations	
Environment certifications	
ENERGY STAR, RoHS directive	
Option	
Roll Holder Set (for both 2-inch and 3-inch core roll media)	RH2-44
Stand / Basket	Available in box
Consumables	
Ink Tank	PFI-307 BK/MBK/C/M/Y (330ml) PFI-707 BK/MBK/C/M/Y (700ml)
Ink Tank - Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)
Ink Tank - Colours	Black / Matte Black / Cyan / Magenta / Yellow
Starter - Starter	330ml per colour
Sales - Sales	700ml or 330 per colour
Level detection	Detected by dot count and electrode (Empty)
Smart chip	Each ink tank is equipped with EEPROM which stores its ink level.
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	1,200dpi x 2
Print Head - Nozzle per chip	MBK: 5, 120 nozzles, each other colour: 2, 560 nozzles
Print Head - Droplet size	Minimum 4pl
Maintenance Cartridge	MC-10 / MC-09



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