

imagePROGRAF iPF850

Large Format Print Solutions for high production CAD environment

The imagePROGRAF iPF850 is a 44" printer delivering class leading productivity, exceptional quality, accuracy and an advanced set of features to ensure an excellent return on investment.



Key features:

- Continuous productivity with high capacity 330 ml and 700 ml "hot swap" ink tanks - replaceable during production
- High capacity stacker for up to 100 sheets, which manages different size drawings up to A0 size at the same time
- Clear drawings with latest magenta ink
- Highly accurate with 0.02 mm minimum line width and +/-0.1 % line accuracy
- Dual roll to handle large print runs with different types and sizes of media
- Improved device management and security for large workgroups with eMaintenance connectivity, locking control panel and SNMPv3 protocol
- Easily print PDF, TIFF, JPEG and HP-GL/2 files, from general graphics to CAD and GIS drawings, with bundled Direct Print & Share Utility
- Easy printing from an iPad of PDF, JPEG and PNG data with Canon's especially designed free application - imagePROGRAF Print Utility for iPad
- Intuitively create, print and manage jobs with Océ Publisher Select (autumn 2015) - productive, Windows based, large format printer job submission software
- HP-GL/2 and HP-RTL compatible

iPF850

44
INCH

DUAL PAPER ROLL

HIGH CAPACITY
STACKER

2,400 X 1,200 DPI

5 COLOURS WITH
NEW MAGENTA

A0 42 SECONDS

A1 22 SECONDS

15,360 NOZZLES

320 GB HDD

ECONOMY PRINTING
MODE

Canon

Specifications

imagePROGRAF iPF850

TECHNOLOGY

Printer Type	5 Colour - 44"/1117.6 mm
Print Technology	Canon BubbleJet on Demand 6 colours integrated type (6 chips per print head x 1 print head)
Number of Nozzles	Total: 15,360 MBK: 5,120 nozzles C, M, Y, BK: 2,560 nozzles each colour
Print Resolution	2,400 x 1,200 dpi
Nozzle Pitch	1,200 dpi x 2 includes Non-firing nozzle detection and compensation system
Guaranteed Minimum Line Width	0.02 mm
Line Accuracy	±0.1 % or less
Ink Droplet Size	4 Picoliter per colour
Ink Capacity	Bundled Starter Ink: 330 ml Sales ink: 330 ml or 700 ml
Ink Type	Dye/Pigment Reactive Ink Dye: Cyan, Magenta, Yellow, Black Pigment: Matte Black
OS Compatibility	Windows 32 bit - XP, Vista, 7, 8, 8.1, Server 2003/2003R2, Server 2008 Windows 64 bit - Vista, 7, 8, 8.1, Server 2003/2003R2, Server 2008/2008R2, Server 2012/2012R2 Mac: OSX - 10.6.8 - 10.10.x
Printer Languages	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL
Standard Interfaces	USB 2.0 High-Speed Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer 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
Standard Memory	32 GB (512 Mbyte)
Hard Drive	320 GB
Software Included	Canon Printer Driver, Status Monitor / Print Monitor, ExtraKit - Free Layout and IR enlargement Copy, Printer Driver Optimization Module for AutoCAD, Media Configuration Tool, PosterArtist Lite (PC only), Print Plug-in for Microsoft® Word / Excel / PowerPoint (PC only) Direct Print & Share utility, Custom Installer Creation Tool

PRINT SPEED

AO Size, Plain Paper	0:42 min (Fast Economy Mode) 0:45 min (Fast Mode) 1:12 min (Standard Mode)
AO Size, Coated Paper	1:12 min (Fast Mode) 2:19 min (Standard Mode) 3:37 min (High Quality Mode)

PAPER HANDLING

Media Feed and Output	Roll: Two Roll, front loading, front output Cut Sheet: Front-loading, Front Output(Manual feed using media locking lever)
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 Width	Roll Paper: 254 - 1118 mm Manual Feed Cut Sheet: 203 - 1118 mm
Media Thickness	Roll Unit: 0.07 - 0.8 mm Front Loading Manual Feed: 0.07 - 0.8 mm
Maximum Printable Length	Roll: 18 m (varies according to the OS and application) Cut Sheet: 1.6 m

Maximum Media Roll Diameter

150.0 mm

Media Core Size
Internal diameter of roll core: 2" / 3"

Margins Recommended area
Roll Paper: Top: 20 mm, Bottom: 5 mm, Side: 5 mm
Cut Sheet: Top: 20 mm, Bottom: 23 mm, Side: 5 mm

Margins Printable area
Roll Paper: Top: 3 mm, Bottom: 3 mm, Side: 3 mm
Roll Paper (Borderless Printing): Top: 0 mm, Bottom: 0 mm, Side: 0 mm
Cut Sheet: Top: 3 mm, Bottom: 23 mm, Side: 3 mm

Borderless Printing Width (Roll Only)

DIMENSIONS AND WEIGHT

Physical Dimensions, Weight (Net) W x D x H (mm), (Kg)	Main unit and Printer Stand (with basket open) 1893 (W) x 1320 (D) x 1144 (H) mm 213 kg Approximately (roll holder included, no inks, no print heads)
Physical Dimensions, Weight (Packaged) W x D x H (mm), (Kg)	Main unit (with printer stand, and palette and packaging included): 2080 (W) x 1060 (D) x 1220 (H) mm Weight: approx.174 kg Stacker, Lower roll unit, Lower rail (palette and packaging included) (RS-01): 2080 (W) x 1060 (D) x 1026 (H) mm Weight: approx.140 kg

POWER AND OPERATING REQUIREMENTS

Power Supply	AC 100 - 240V (50 - 60 Hz)
Power Consumption	Operation: 200 W or less Standby power consumption (At the low power mode): 5 W or less Default setting for the time to enter the Sleep mode: Approx. 5 Minutes Power Off Standby: 0.5 W or less (Corresponds to LOT6)
Operating Environment	15 - 30°C, 10 - 80 % (Condensation free)
Acoustic Noise (Power/Pressure LWA d)	Operation: 60 dB (A) or less Standby: 35 dB (A) or less Measured in the above conditions, based on ISO 7779 Operation: 7.5 Bels or less Measurement Conditions : Plain paper, standard mode (1pass/25ips) / Normal temperature and normal humidity

Regulations

Environment Certificates

WHAT'S INCLUDED

What's in the Box?
1 print head, 1 set of starter ink tanks, 3 inch core adapters, Set up guide, User software CD-ROM (Mac & Win), A2 calibration sheet, PosterArtist Lite software CD-ROM, Announcement of LFP Survey Program, EAC leaflet, Quick guide, PRINTER STAND, Product security /environmental regulation manual, Printer Stand Setup Guide, EU/UK Power cord

OPTIONS

Optional Items
Roll Holder Set (for both 2-inch and 3-inch core roll media): RH2-44
Roll Unit & Stacker (Mandatory): RS-01

CONSUMABLES

User Replaceable Items

Ink Tanks:
PFI-307 BK / MBK / C / M / Y (330 ml)
PFI-707 BK / MBK / C / M / Y (700 ml)
Print Head: PF-04
Maintenance Cartridge: MC-10

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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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