

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

Media Core Size

Margins Recommended area

Margins Printable area

Borderless Printing Width (Roll Only)

DIMENSIONS AND WEIGHT

Physical Dimensions, Weight (Net)

W x D x H (mm), (Kg)

Physical Dimensions, Weight (Packaged)

W x D x H (mm), (Kg)

POWER AND OPERATING REQUIREMENTS

Power Supply

Power Consumption

Operating Environment

Acoustic Noise (Power/Pressure LWA d)

Regulations

Environment Certificates

WHAT'S INCLUDED

What's in the Box?

OPTIONS

Optional Items

CONSUMABLES

User Replaceable Items

150.0 mm

Internal diameter of roll core: 2" / 3"

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

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

1,030 mm (JIS B0), 841 mm (ISO A0), 594 mm (ISO A1), 515 mm (JIS B2), 42", 36", 24", 17", 14", 10" (when Borderless Printing recommend to use basket.)

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)

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

AC 100 - 240V (50 - 60 Hz)

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)

15 - 30°C, 10 - 80 % (Condensation free)

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

Europe: CE mark, Germany: TUV, Russia: EAC,
Other Countries: CB Certification

ENERGY STAR, RoHS directive

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

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

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.

Canon Inc.
canon.com
Canon Europe
canon-europe.com
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Canon (UK) Ltd
Woodhatch
Reigate
Surrey RH2 8BF
Telephone no 01737 220000
Facsimile 01737 220022
canon.co.uk

Canon Ireland
3006 Lake Drive
Citywest, Saggart
Co. Dublin, Ireland
Telephone No: 01 2052400
Facsimile No: 01 2052525
canon.ie

