

Canon

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 imagePROGRAF
iPF825/815



**TECHNICAL
DOCUMENTS**
LARGE-FORMAT PRINTING





Introducing the 44" iPF825/iPF815 large-format printers.

Advanced large-format solutions for technical documents production printing.



Built for high-speed production of both full-color and monochrome output, the imagePROGRAF iPF825 and iPF815 printers keep you moving forward and ahead of the curve. Developed specifically to meet the demands of manufacturing, engineering, construction, and reprographic firms, these dynamic printing systems effortlessly produce intricately detailed drawings, color renderings, and GIS maps.

FEATURES

- **Print two D-sized prints per minute** or 120 D-sized prints per hour, in color or monochrome.*
- Send large sets of files from multiple workstations to a **built-in 160GB hard drive**.
- **Accounting Manager** feature collects print job information and calculates printing costs.
- Economy Print Mode allows for **lower cost of operation**.
- **Sub-ink tank** system allows for changing ink tanks without interrupting a print job.
- iPF825 printer equipped with **two media rolls** that support multiple media types and long print runs.

*Mechanical print time does not include data transfer time. Print time is measured for 60 consecutive minutes (including head cleaning and cutting time), printing multiple copies using Canon Printer Driver with Plain Paper setting at Draft (full-density) Mode.

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ADVANTAGES

Engineered for speed and precision, the 44" iPF825 and iPF815 printers are equipped with innovative printing technologies that help keep workgroups productive—even in the busiest environments.

HIGH-SPEED PRINTING

Whether it's construction plans, drawings, maps, or business presentations, print speed is critical when deadlines are tight. Now you can print **two D-sized prints per minute** or output a full-color, E-sized image with full graphic coverage on heavyweight coated media in only three minutes. Engineered for high-volume printing, Canon's advanced system architecture and one-inch print head with 15,360 nozzles achieves print speeds of up to **688 ft.²/hr. on plain papers.**

MAXIMUM PRODUCTIVITY

Print longer without interruption. Canon's unique sub-ink tank system means you can **replace ink on-the-fly**, without stopping the printer. And for long print runs, Canon's large 330ml or 700ml ink tanks and high-capacity media basket allow for even greater productivity. **Equipped with two media rolls**, the iPF825 printer eliminates the cause of many bottlenecks in busy printing environments. Automatically switch between different sizes and types of media or print on the same media to enable fast, consecutive printing of jobs submitted by multiple users.

HIGH-QUALITY OUTPUT

Print complex schematics with super-clear small text fonts and crisp lines over color backgrounds, even on uncoated technical papers. A super-high-density print-head ejects tiny

4pl droplets of ink that consistently produce **2400 x 1200 dpi output with fine lines within +/- 0.10% accuracy** and as thin as 0.02mm. And Canon's unique 5-color Reactive Ink set delivers durable, smudge-resistant prints with sharp lines and text, bold colors, and smooth fills.

VERSATILITY

To help optimize your daily operations, Canon includes a host of tools that simplify, strengthen, and complete your workflow. The imagePROGRAF iPF825/815 printers help you **print HP-GL/2 and HP RTL files directly from CAD applications**, while **Accounting Manager** tracks and calculates printing costs to help minimize waste and maximize profits. And for poster creation made simple, **PosterArtist Lite** and **Microsoft® Office Plug-in** (both PC only) give you all the tools you'll need to design and output impressive large-format signs and banners.

Highly efficient, superb print quality, versatile options, and a remarkably low total cost of ownership—the imagePROGRAF iPF825/815 printers deliver the production you need for high-volume printing and support for large workgroups.

With three lines of imagePROGRAF large-format printers... whatever your needs, Canon has the answer.



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SPECIFICATIONS



Print-Head

PF-03

Technology

FINE (Photolithography Ink-jet Nozzle Engineering)

Print Resolution (Max.)

2400 x 1200 dpi

Line Accuracy*

±0.1% or Less

Minimum Line Weight**

0.02mm

Number of Nozzles

Matte Black: 5,120 Nozzles
Other Colors: 2,560 Nozzles per Color

Droplet Size

4 Picoliter

Nozzle Pitch (Head Resolution)

1200 dpi x Two Rows

Print-Head Swath

1.07 inch

Ink Type

Dye: Cyan (C), Magenta (M), Yellow (Y), Black (K)

Pigment: Matte Black (MBK)

Ink Tank

Shipped with Printer: PFI-303 (330ml) MBK, C, M, Y, K

Replacement: PFI-703 (700ml) MBK, C, M, Y, K
PFI-303 (330ml) MBK, C, M, Y, K

Ink Supply Method

Tubing System with Sub-Tanks for Continuous Ink Supply

Nozzle Recovery System

Non-firing Nozzle Detection and Compensation

Printer Controller

L-COA Controller

Printer Memory

32GB Dedicated File Processing Memory

Printer RAM

384MB

Hard Drive

160GB

Mail Boxes (User Job Storage)

One Common Inbox; 29 User Inboxes
(Password-protected)

Media Feed

Roll Feed: iPF815: One Roll, Front-loading, Front Output
iPF825: Two Rolls, Front-loading, Front Output

Media Width

Roll Feed: 10" – 44" (254mm – 1118mm)

Cut Sheet: 8" – 44" (203.2mm – 1118mm)

Printable Margins

Roll Feed: All Sides: 0.12" (3mm) or 0" for Borderless

Maximum Print Length (Single Page)†

Roll Feed: 59' (18m)

Cut Sheet: 63" (1.6m)

Borderless Printing Widths (Roll Media Only)

10", 14", 17", 24", 36", 42" B2 (20.28"/515mm),
A1 (23.38"/594mm), B0 (40.6", 1030mm),
A0 (33.11"/841mm)

Media Cutter

Durable Dual-Blade Rotary Cutter

Media Thickness

0.07 – 0.8mm (2.8 – 31.4mil)

Media Core Sizes

2" and 3" Core (Adapter Included)

Maximum Roll Outer Diameter

5.9" (150mm)

Output Media Bin

Portable Media Basket (Standard), 44" Plain Paper
Stacker (Optional), Media Take-Up Reel (Optional,
iPF815 only)

Printing Software

imagePROGRAF Printer Driver for Windows®/Mac®,
HDI Driver,†† Printer Driver Extra Kit for Windows/
Mac (Free Layout, Color imageRUNNER®
Enlargement Copy, Advanced Preview), Print
Plug-in for Microsoft Word/Excel/PowerPoint for
Windows, Digital Photo Front-Access for Windows,
PosterArtist Lite for Windows

Operating System

Windows XP (32/64 bit), Server 2003 (32/64 bit),
Server 2008 (32/64 bit), Windows Vista® (32/64 bit),
Windows 7 (32/64 bit); Macintosh OS X 10.3.9 -
10.6 (32 bit), OS X 10.5 - 10.6 (64 bit)

Print Language

Printer: GARO, HP-GL/2, HP RTL

Interface

Standard (Built-in): USB 2.0 Hi-Speed, 10/100Base-T/TX

Acoustic Noise

Operation: 52dB (A) or Less

Standby: 35dB (A) or Less

Acoustic Power: 6.8 Bels or Less

Power Supply

AC 100–240V (50–60Hz)

Power Consumption

Maximum: 190W or Less

Standby: 6W or Less (11W or less when IEEE1394
is mounted)

Power Off: 1W or Less (Executive Order Compliant)

Certifications

Electrical Safety Regulations

UL (USA), C-UL (Canada), S mark (Argentina), CE
mark (EN60950, EN55022 classB, EN61000-3-2,
EN-61000-3-3, EN55024) (EU), CB certification
(Others)

Electromagnetic Interface Regulations

FCC Class B (USA), IC Class B (Canada)

Environmental Certifications

ENERGY STAR® (Worldwide), RoHS Directive,
WEEE, Executive Order (USA)

Operational Environment

Temperature: 59 – 86 F° (15 – 30 C°)

Relative Humidity: 10 – 80% (No Condensation)

Printer Dimensions (H x W x D) and Weight with Stand iPF815

45" x 74.5" x 38.4" Approx. 305 lb.

iPF825

45" x 74.5" x 38.4" Approx. 417 lb.

Package Dimensions (H x W x D) and Weight iPF815

49.7" x 92.4" x 62.4" Approx. 664 lb.

iPF825

49.7" x 92.4" x 62.4" Approx. 768 lb.

Options

- 44" Plain Paper Stacker (STK1-94)
- Take-Up Unit (TU-06)
- Roll Holder Set (RH2-44)
- PosterArtist

User-Replaceable Items

- Ink Tank (PFI-303/PFI-703)
- Print-Head (PF-03)
- Maintenance Cartridge (MC-09)

What's In The Box

iPF815

Printer, Portable Media Basket, User Software
CD (Printer Driver, Utilities), PosterArtist Lite, 5 Ink
Tanks (MBK, C, M, Y, K), 2/3" Core Media Spool,
Print-Head, Maintenance Cartridge, Quick Setup
Guide (Poster), Printer Reference Guide (Booklet),
Power Cord, One-Year Onsite Limited Warranty,
Registration Card, Stand, Hardware (For Setting
Up the Printer)

iPF825

All items included in iPF815, plus Secondary
Roll Unit

* Line accuracy repeatability is guaranteed after a user performs necessary adjustment and under the same environmental conditions. Applies to media for line drawing (Plain Paper, Coated Paper, CAD Translucent Matte Film, and CAD Tracing Paper) only.

** Theoretical value based on data resolution.

† The maximum printable length varies, depending on the application, OS, and RIP used.

†† For AutoCAD or AutoCAD LT 2000/2000i/2002/2004/
2005/2006/2007/2008/2009/2010

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