

**Canon**

# imagePROGRAF

 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.

# imagePROGRAF

## 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.<sup>2</sup>/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.



# imagePROGRAF

## 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



**Canon**  
image*ANYWARE*

1-800-OK-CANON  
www.usa.canon.com

Canon U.S.A., Inc.  
One Canon Plaza  
Lake Success, NY 11042

As an ENERGY STAR® Partner, Canon U.S.A., Inc. has determined that these products meet the ENERGY STAR guidelines for energy efficiency. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. CANON, IMAGEPROGRAF, IMAGERUNNER, and the GENUINE logo are registered trademarks of Canon Inc. in the United States and may also be registered trademarks or trademarks in other countries. IMAGE*ANYWARE* is a trademark of Canon. All other referenced product names and marks are trademarks of their respective owners and are hereby acknowledged. All printer output images are simulated. Some items may not be available at this time; please check for availability. Specifications and availability subject to change without notice. ©2010 Canon U.S.A., Inc. All rights reserved.

