Canon

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imagePROGRAF iPF825/815

TECHNICAL DOCUMENTS
LARGE-FORMAT PRINTING

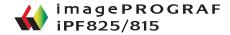# Introducing the 44" iPF825/iPF815 large-format printers.

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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