

iPF820/810

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
384MB

Hard Drive
80GB

Mail Boxes (User Job Storage)
One Common Inbox; 29 User Inboxes
(Password-protected)

Media Feed
Roll Feed: iPF810: One Roll, Front-loading, Front Output
iPF820: 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),
AO (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,
iPF810 only)

Printing Software
iPF810/iPF820
imagePROGRAF Printer Driver, HDI Driver††, Printer Driver
Extra Kit (Free Layout, imageRUNNER Linking Function),
Print Plug-in for Microsoft® Office

iPF820 PRO/iPF810 PRO‡
Above plus RATIO® CAD|STATION PS+
CAD|STATION PS+ Server, PLOTCLIENT|SET,
PLOTCLIENT|HDI, PLOTCLIENT|WEB, WINPRINT)

Operating System
Printer Driver
Windows 32-bit 2000/XP/Server 2003/Vista/Server
2008, Windows 64-bit XP/Server 2003/Vista/Server
2008, Macintosh® OS X (10.2.8, 10.3.x, 10.4.x),
Macintosh OS X CUPS (10.4.9, 10.5.x)

CAD|STATION Server
Windows 2000/XP/2003 Server/Vista

Print Language
Printer
GARO, HP-GL/2, HP RTL

CAD|STATION PS+ (PRO Models Only)
Adobe® PostScript® 3, PDF 1.4, EPS, HP-GL,
HP-GL/2, HP RTL, DWF, DWG, PLT, CALS,
CGM, TIFF, JPEG, BMP, CALS, CGM

Interface
Standard (Built-in): USB 2.0 Hi-Speed, 10/100Base-T/TX
Optional: IEEE1394 (FireWire)

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
iPF810/iPF810 PRO
45.1" x 74.6" x 50.9" (1144mm x 1893mm x 1291mm),
Approx. 311 lb. (141kg)

iPF820/iPF820 PRO
45.1" x 74.6" x 50.9" (1144mm x 1893mm x 1291mm),
Approx. 417 lb. (189kg)

Package Dimensions (H x W x D) and Weight
iPF810/iPF810 PRO
49.8" x 92.5" x 62.4" (1263mm x 2384mm x 1585mm),
Approx. 664 lb. (301kg)

iPF820/iPF820 PRO
49.8" x 92.5" x 62.4" (1263mm x 2384mm x 1585mm),
Approx. 768 lb. (348kg)

Options
• IEEE1394 Expansion Board (EB-05)
• 44" Plain Paper Stacker
• 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
iPF810
Printer, Portable Media Basket, User Software CD
(Printer Driver, HDI Driver, Utilities), 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)

iPF820
All items included in iPF810, plus Secondary Roll Unit

iPF820 PRO/iPF810 PRO
All items included in iPF810 or iPF820, plus
CAD|STATION PS+ Package

* 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

‡ For high-speed and error-free printing of PostScript files
such as PS, PDF or EPS, using CAD|STATION PS+ software
in iPF810 PRO or iPF820 PRO is strongly recommended.
Alternatively, other PostScript compatible RIP package may
be used to print PostScript files. For a list of Canon
recommended RIP packages, please consult with
Canon Alliance and Industry Market program list
of RIP vendors at www.usa.canon.com.

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