

you can  
**Canon**

**iPF810 / iPF820**

Large Format  
Print Solutions

Designed for high volume  
CAD & GIS printing

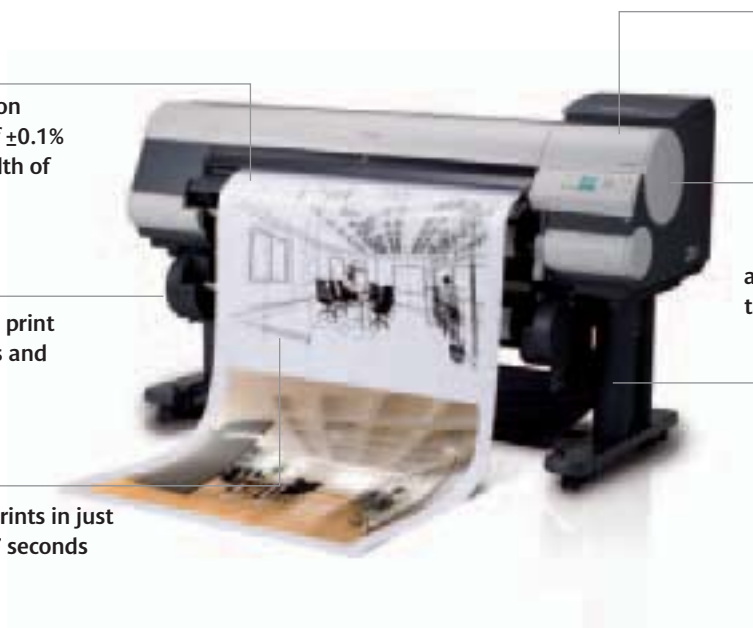
iPF810 / iPF820

For fast, high quality production CAD & GIS work the imagePROGRAF iPF810 and iPF820 are ideal. Designed for high volume printing in busy print for pay and large corporate CAD & GIS environments, these 44" large format printers deliver non-stop, high quality results at blistering speeds.

Accurate line reproduction  
with a range accuracy of  $\pm 0.1\%$   
and a minimum line width of  
0.02mm

Dual roll to handle large print  
runs with different types and  
sizes of media (iPF820).

Incredibly fast with A1 prints in just  
24 seconds and A0 in 47 seconds  
(draft mode).



Superb graphics with  
vivid colours and solid  
image consistency

Continuous productivity  
with high capacity 330ml  
and 700ml "hot swap" ink  
tanks – replaceable during  
production.

Economy printing mode  
for lower running costs.



iPF810

*We Speak Image*

**44**  
inch

**2,400**  
x  
**1,200dpi**

**4 pl**

**5**  
colours

**A1**  
24 seconds

**A0**  
47 seconds

**15,360**  
nozzles

HP GL/2  
& HP RTL  
Compatible

**80Gb**  
HDD

- Single roll with an optional take-up unit for consecutive printing on large print jobs (iPF810).
- HPGL/2 and HP RTL compatibility and includes HDI Driver for CAD applications as standard.
- Large LCD with graphics ensures easy operation.
- Nesting and auto rotation to minimise paper wastage.
- Borderless printing for maximum impact and to save time on finishing.

Class	44-inch
Ink Type	Pigment and Dye reactive ink, 5 colours (MBK, BK, C, M, Y)
Maximum Print Resolution	2,400 x 1,200 dpi
Printing Speed	Economy Mode – A0: 0.47, A1: 0.24
Plain paper	
(Full Colour CAD Drawing)	Draft Mode – A0: 0.47, A1: 0.24 Standard Mode – A0: 1.16, A1: 0.38 High Quality Mode – A0: 3.10, A1: 1.35
Dimensions, Weight (Net)	iPF810: Main Unit with Printer Stand and Basket 1,893 (W) x 975 (D) x 1,144 (H) mm; Weight: approx. 141 kg
W x D x H (mm), (kg)	iPF820: Main unit with printer stand, lower paper roll and basket: 1,893 (W) x 1,291 (D), 1,144 (H); Weight approx: 189 kg
Dimensions, Weight (Packaged)	
W x D x H (mm), (kg)	iPF810: Main unit with pallet: 2,080 (W) x 1,060 (D) x 865 (H) mm; Weight: approx. 165 kg iPF810: Stand: 1,782 (W) x 863 (D), 368 (H) mm; Weight: approx. 40 kg iPF820: Main unit with pallet: 2,080 (W) x 1,060 (D) x 865 (H) mm; Weight: approx. 165 kg iPF820: Stand: 1,782 (W) x 863 (D) x 368 (H) mm; Weight: approx. 40 kg iPF820: Lower roll paper unit and a portable basket with pallet: 1,660 (W) x 938 (D) x 905 (H) mm; Weight: approx. 102 kg
Power Supply	AC 100 - 240 V (50/60 Hz)
Input power	190 W or less
Power consumption	
Standby power consumption	6 W or less (when IEEE1394 is mounted, 11 W or less)
(At the low power mode)	5 W or less (when IEEE1394 is mounted, 10 W or less)
220 V - 240 V	1 W or less (In compliance with Executive Order of the President of the United States of America)
100 V - 120 V	Temperature: 15 - 30°C, Humidity: 10 - 80% (Condensation free)
Power off (standby)	
Operational Environment	
Acoustic Noise	Operation: 52 dB (A) or less, Standby: 35 dB (A) or less
Acoustic pressure	Operation: 6.8 Bels or less
Acoustic power	0.02mm (Theoretical value)
Minimal Line Width	±0.1 % or less (User adjustments necessary. Printing environment media must match that used for the adjustments. CAD paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only.)
Line Accuracy	Large LCD: 160 x 128 dots, Key x 12, LED x 5
Operation Panel Display	US-English, Japanese
Language on operation panel	US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Japanese (Kanji), Russian
Displayable Language on LCD	GARO, HP-GL/2, HP RTL
Printer Language	
Interface	
USB2.0 Hi-Speed	Built-in
Type	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer
Mode	Series B (4 pins)
Connector type	
Ethernet	Built-in
Type	IEEE 802.3 10base-T
Standard	IEEE 802.3u 100base-TX / Auto-Negotiation
	IEEE 802.3 x Full Duplex
Protocol	IPX/SPX (Netware 4.2(J), 5.1(J), 6.0(J))
	SNMP (Canon-MIB), HTTP, TCP/IP, AppleTalk
IEEE1394	
Type	Slot card type
Standard	IEEE1394 - 1995, P1394a, Half duplex, Data/Strb differential serial
Data-transfer time	100 / 200 / 400 Mbit/sec.
Connector type	In compliance with IEEE1394 - 1995, 6 pins, No power supply
Operating Systems supported	Windows 2000, XP, Server 2003, Vista / Macintosh OS 9, OS X
Regulations	CE Mark, CB Certification, TUV (GS), Gost-R, UL, FCC class B
<b>HARD DISK DRIVE</b>	
Capacity	80 GB
<b>MEMORY</b>	
Standard Memory	384 Mb
<b>PRINT HEAD</b>	
Model	PF-03
Type	Bubble-jet on demand
Head configuration	6 colours integrated type (6 chips per print head)
Nozzle pitch	1,200 dpi x 2
Nozzle per chip	MBK: 5,120 nozzles, Other Colours: 2,560 nozzles each
Droplet size	4 pl per colour

Ink Tank	
Model	PFI-303: BK, MBK, C, M, Y (330 ml) PFI-703: BK, MBK, C, M, Y (700 ml)
Media Handling	
Roll paper	iPF810: 1 Roll, Front-loading, Front Output, iPF820: 2 Rolls, Front Loading, Front Output
Cut sheet	Front-loading, Front Output (Manual feed using media locking lever)
Paper path switch	iPF820: Auto-changover (upper/lower roll), iPF810: Manually switchable by user
Media type	
Roll paper	Standard Paper 80 gsm, Standard Paper 90 gsm, Matt Coated Paper 90 gsm, Glossy Photo Quality Paper 190 gsm / 240 gsm / 300 gsm, Satin Photo Quality Paper 190 gsm / 240 gsm / 300 gsm, Photo Realistic Paper 210 gsm, Pearl Photo Paper 260 gsm, Matt Coated Paper 120 gsm / 140 gsm / 180 gsm, Opaque White Paper 120 gsm, High Resolution Self-adhesive Graphic Paper 140 gsm, High Resolution Barrier Paper 180 gsm, Glossy Proofing Paper 195 gsm, Semi-Glossy Proofing Paper 195 gsm / 255 gsm.
Media Size	
Roll paper (width)	ISO: A3, A2, A1, A0, JIS: B2, B1, B0, ARCH: 24", 30", 36" Others: 10", 14", 16", 17", 42", 44" ISO: A4, A3, A3+, A2, A2+, A1, A0, B4, B3, B2, B1, B0, DIN: C4, C3, C2, C1, C0 JIS: B4, B3, B2, B1, B0 ANSI: 8.5 x 11", 8.5 x 14", 11 x 17", 13 x 19", 17 x 22", 22 x 34", 28 x 40", 34 x 44" ARCH: 9 x 12", 12 x 18", 18 x 24", 24 x 36", 26 x 38", 27 x 39", 30 x 42", 36 x 48" Photo: 20 x 24", 18 x 22", 14 x 17", 10 x 12", 10 x 15", 8 x 10", 12 x 16", 16 x 20" (US Photo size) Poster: 20 x 30", 30 x 40", 42 x 60", 44 x 62", 300 x 900 mm Roll paper & Cut sheet: 0.07 - 0.8 mm
Cut sheet	
Media Thickness	
Maximum Outside	150.0 mm
Diameter of Roll Paper	Internal diameter of roll core: 2" / 3"
Media Core Size	Roll paper: 254 - 1118 mm, Cut sheet: 203 - 1118 mm
Media Width	203 mm
Minimal Printable Paper Length	
Maximum Printable	Roll paper: 18 m (Varies according to the OS and application)
Paper Length	Cut sheet: 1.6 m
Margins (Top, Bottom, Sides)	
Recommended area	Roll paper: Top: 20 mm, Bottom: 5 mm, Side: 5 mm Cut sheet: Top: 20 mm, Bottom: 23 mm, Side: 5 mm
Printable area	Roll paper: Top: 3 mm, Bottom: 3 mm, Side: 3 mm Roll paper (borderless print): Top: 0 mm, Bottom: 0 mm, Side: 0 mm Cut sheet: Top: 3 mm, Bottom: 23 mm, Side: 3 mm
Media width for borderless printing	515mm (JIS B2), 1,030mm (JIS B0), 594mm (ISO A1), 841mm (ISO A0), 10", 14", 17", 24", 36", 42"
<b>OPTION</b>	
Media Take-up Unit (iPF810 only)	TU-06
Portable Media Basket (iPF810 only)	BU-03
Roll Holder Set (2-inch core spindle with 3-inch media tube attachment and borderless printing space)	RH2-44
IEEE1394 Expansion Board	EB-05
<b>CONSUMABLES</b>	
Ink Tank	PFI-303: BK, MBK, C, M, Y (330 ml) PFI-703: BK, MBK, C, M, Y (700 ml)
Print Head	PF-03
Maintenance Cartridge	MC-09
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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.	

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**Canon**

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English-UK Edition 0127W496 -  
5026173428682  
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