

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)	
W x D x H (mm), (kg)	iPF810: Main Unit with Printer Stand and Basket 1,893 (W) x 975 (D) x 1,144 (H) mm; Weight: approx. 141 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	
Input power	AC 100 - 240 V (50/60 Hz)
Power consumption	190 W or less
Standby power consumption	
(At the low power mode)	6 W or less (when IEEE1394 is mounted, 11 W or less) 5 W or less (when IEEE1394 is mounted, 10 W or less) 1 W or less (In compliance with Executive Order of the President of the United States of America)
Operational Environment	Temperature: 15 - 30°C, Humidity: 10 - 80% (Condensation free)
Acoustic Noise	
Acoustic pressure	Operation: 52 dB (A) or less, Standby: 35 dB (A) or less
Acoustic power	Operation: 6.8 Bels or less
Minimal Line Width	0.02mm (Theoretical value)
Line Accuracy	±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.)
Operation Panel Display	Large LCD: 160 x 128 dots, Key x 12, LED x 5
Language on operation panel	US-English, Japanese
Displayable Language on LCD	US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Japanese (Kanji), Russian
Printer Language	GARO, HP-GL/2, HP RTL
Interface	
USB2.0 Hi-Speed	
Type	Built-in
Mode	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer
Connector type	Series B (4 pins)
Ethernet	
Type	Built-in
Standard	IEEE 802.3 10base-T IEEE 802.3u 100base-TX / Auto-Negotiation IEEE 802.3x 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
HARD DISK DRIVE	
Capacity	80 GB
MEMORY	
Standard Memory	384 Mb
PRINT HEAD	
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
Cut sheet	Roll paper & Cut sheet: 0.07 - 0.8 mm
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"
OPTION	
Media Take-up Unit (iPF810 only)	TU-06
Portable Media Basket (iPF810 only)	BU-03
Roll Holder Set	RH2-44
(2-inch core spindle with 3-inch media tube attachment and borderless printing space)	
IEEE1394 Expansion Board	EB-05
CONSUMABLES	
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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