

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
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- 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 Ink Type	44-inch Pigment and Dye reactive ink, 5 colours (MBK, BK, C, M, Y)
Maximum Print Resolution	2,400 x 1,200 dpi
Printing Speed Plain paper (Full Colour CAD Drawing)	Economy Mode – A0: 0.47, A1: 0.24 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 Standby power consumption (At the low power mode)	190 W or less
Power off (standby)	220 V - 240 V 100 V - 120 V
Operational Environment Acoustic Noise Acoustic pressure	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)
Acoustic power	Temperature: 15 - 30°C, Humidity: 10 - 80% (Condensation free)
Minimal Line Width	Operation: 52 dB (A) or less, Standby: 35 dB (A) or less
Line Accuracy	Operation: 6.8 Bels or less 0.02mm (Theoretical value) ±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 Language on operation panel Displayable Language on LCD	Large LCD: 160 x 128 dots, Key x 12, LED x 5 US-English, Japanese US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Japanese (Kanji), Russian GAR0, HP-GL/2, HP RTL
Printer Language Interface	Built-in Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer Series B (4 pins)
USB2.0 Hi-Speed Type Mode Connector type Ethernet Type Standard	Built-in IEEE 802.3 10base-T IEEE 802.3u 100base-TX / Auto-Negotiation IEEE 802.3 x Full Duplex
Protocol	IPX/SPX (Netware 4.2(I), 5.1(I), 6.0(I)) SNMP (Canon-MIB), HTTP, TCP/IP, AppleTalk
IEEE1394 Type Standard Data-transfer time Connector type Operating Systems supported Regulations	Slot card type IEEE1394 - 1995, P1394a, Half duplex, Data/Strb differential serial 100 / 200 / 400 Mbit/sec. In compliance with IEEE1394 - 1995, 6 pins, No power supply Windows 2000, XP, Server 2003, Vista / Macintosh OS 9, OS X 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 Type Head configuration Nozzle pitch Nozzle per chip Droplet size	PF-03 Bubble-jet on demand 6 colours integrated type (6 chips per print head) 1,200 dpi x 2 MBK: 5,120 nozzles, Other Colours: 2,560 nozzles each 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 Paper path switch	Front-loading, Front Output (Manual feed using media locking lever) 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"
Cut sheet	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
Media Thickness Maximum Outside Diameter of Roll Paper Media Core Size Media Width	150.0 mm Internal diameter of roll core: 2" / 3" Roll paper: 254 - 1118 mm, Cut sheet: 203 - 1118 mm
Minimal Printable Paper Length Maximum Printable Paper Length	203 mm Roll paper: 18 m (Varies according to the OS and application) 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) Portable Media Basket (iPF810 only) Roll Holder Set (2-inch core spindle with 3-inch media tube attachment and borderless printing space) IEEE1394 Expansion Board	TU-06 BU-03 RH2-44 EB-05
CONSUMABLES Ink Tank Print Head Maintenance Cartridge	PFI-303: BK, MBK, C, M, Y (330 ml) PFI-703: BK, MBK, C, M, Y (700 ml) PF-03 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.



Canon Inc.
www.canon.com

Canon Europa N.V.
www.canon-europe.com

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Canon (UK) Ltd
Woodhatch, Reigate
Surrey RH2 8BF
Telephone No: 01737 220000
Facsimile No: 01737 220022
www.canon.co.uk

Canon Ireland
Arena Road, Sandyford Industrial Estate
Dublin 18, Ireland
Telephone No: 01-2052400
Facsimile No: 01-2958141
www.canon.ie

