

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 prints 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

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|-------------------|------------------------------------|----------------|---------------------|-------------------------|-------------------------|--------------------------|
| 44 inch | 2400 x 1200dpi | 4 pl | 5 colours | A1 24 seconds | A0 47 seconds | 15,360 nozzles |
|-------------------|------------------------------------|----------------|---------------------|-------------------------|-------------------------|--------------------------|

- 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.

We Speak Image

| | |
|-------------------------------|--|
| 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 | 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 |
| 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 |

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|---|--|
| 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 Diameter of Roll Paper | 150.0 mm |
| Media Core Size | Internal diameter of roll core: 2" / 3" |
| Media Width | Roll paper: 254 - 1118 mm, Cut sheet: 203 - 1118 mm |
| Minimal Printable Paper Length | 203 mm |
| Maximum Printable Paper Length | |
| Paper Length | 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 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 515mm (JIS B2), 1,030mm (JIS B0), 594mm (ISO A1), 841mm (ISO A0), 10", 14", 17", 24", 36", 42" |
| Printable area | |
| Media width for borderless printing | |
| OPTION | |
| 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 |
| 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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