

Dual roll

The iPF820 comes with a dual roll to handle large print runs with different types and sizes of media.

The iPF810 has a single roll with an optional take-up unit for consecutive printing on large print jobs.

Print fine lines accurately

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

Speed to satisfy the most demanding client

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

The perfect mix of quality and economy

Superb graphics with vivid colours and solid image consistency as well as economy printing mode for lower running costs. Nesting and auto rotation minimises paper wastage.

Minimal print interruption

Continuous productivity with high capacity 330ml and 700ml "Hot Swap" ink tanks – replaceable during printing.

Hard disk drive

With the 80GB hard disk drive multiple users in medium to large workgroups can save print jobs directly on the printer. The HDD enables the user to utilise mailboxes to store and print large files and allows the printer to speak to medium-to-large workgroups with multiple users printing from several workstations. The perfect solution for any technical document printing environment.



imagePROGRAF iPF810/iPF820

Designed for high volume CAD & GIS printing

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.

At a glance...

- Dual roll to handle different types and sizes of media
- 80GB Hard disk drive
- Supports HP-GL/2 & HP-RTL and includes HDI Driver for CAD applications as standard
- Large LCD with graphics for easy operation
- Accurate line reproduction
- "Hot Swap" ink tanks
- Incredibly fast A1 in 24 seconds and A0 prints in 47 seconds.
- Superb graphics with vivid colours and solid image consistency.



imagePROGRAF iPF810/iPF820

Large Format Printer

Model	Canon Large Format Printer imagePROGRAF iPF810/iPF820	
Class	44-inch	
Ink Type	Dye and pigment reactive ink: BK, MBK, C, M, Y	
Maximum Print Resolution	2400 x 1200 dpi	
Print 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)		
iPF810	Main unit with pallet: 2,080 (W) x 1,060 (D) x 865 (H) mm – Weight: approx. 165 kg Printer stand: 1,782 (W) x 863 (D) x 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 Printer stand: 1,782 (W) x 863 (D) x 368 (H) mm – Weight: approx. 40 kg Lower roll paper unit and a portable media 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 (50/60Hz)	
Power consumption Operation	190 W or less	
Standby power consumption (At the low power mode)	220 V - 240 V: 6.0 W or less (11 W or less when IEEE1394 is mounted)	
Power off (standby)	1 W or less	
Operational Environment	Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
OPERATION PANEL		
Display	Large LCD: 160 x 128 dots, LED x 5, Key x 12	
Languages	US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Russian, Japanese (Kanji)	
PRINTER LANGUAGE	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL	
INTERFACE: HI-SPEED USB		
Type	Built-in	
Mode	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer	
Connector type	Series B (4 pins)	
Ethernet	Built-in	
Type	IEEE 802.3 10base-T	
Standard	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	
INTERFACE: IEEE1394		
Type	Slot card type (Optional)	
Standard	IEEE1394 - 1995, P1394a (Based on Draft 2.0), 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	
Expansion Slot	1	
HARD DISK		
Capacity	2.5-inch, 80 GB, 5400 rpm, S-ATA Interface	
MEMORY		
Standard memory	384 MB	
PRINT HEAD		
Model	PF-03	
Type	Bubble-jet on demand	
Head configuration	6 colors integrated type (6 chips per print head x 1 print head)	
Nozzle pitch	1200 dpi x 2	
Nozzle per chip	MBK: 5,120 nozzles, each other color: 2,560 nozzles	
Droplet size	4 pl per color	
Head replacement	User replacement	
INK TANK		
Model	PFI-303: BK, MBK, C, M, Y (330 ml) PFI-703: BK, MBK, C, M, Y (700 ml)	
Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)	
Colors	BK, MBK, C, M, Y	
Capacity	Starter use: 330 ml, Sales use: 330/700 ml	
Level detection	Detected by dot count and electrode (Empty)	
Smart chip	Each ink tank is equipped with EEPROM which stores its ink level.	
MEDIA HANDLING IPF810 MEDIA FEED AND OUTPUT		
Roll paper	1 roll (Front-loading, Front Output)	
Cut sheet	Front-loading, Front Output (Manual feed using media locking lever)	
Paper path switch (roll/cut sheet)	Manually switchable by user	
Delivery direction	Face-up, front side	
Media Take-Up Unit	Optional	
Maximum stacking number of delivered prints	1 sheet (in case of using a standard basket); 20 sheets (in case of using a portable media basket and with conditions)	
MEDIA HANDLING IPF820 MEDIA FEED AND OUTPUT		
Roll paper	2 rolls (Front-loading, Front Output)	
Cut sheet	Front-loading, Front Output (Manual feed using media locking lever)	
Paper path switch	Manually switchable by user (roll/cut sheet), auto changeover (upper/lower roll)	
Delivery direction	Face-up, front side	
Maximum stacking number of delivered prints	20 sheets (in case of using a portable media basket and with conditions)	
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", 12 x 16", 10 x 12", 10 x 15", 8 x 10", 16 x 20" (US Photo size)	
Poster	20 x 30", 30 x 40", 42 x 60", 44 x 62", 300 x 900 mm	
Others	13 x 22"	
MEDIA THICKNESS		
Roll paper and Cut sheet	0.07 - 0.8 mm	
Maximum Outside Diameter of Roll Paper	150.0 mm	
Media Core Size	Internal diameter of roll core: 2" / 3"	
Media Width	Roll paper: 254 - 1,118 mm Cut sheet: 203 - 1,118 mm	
Minimal Printable Paper Length	203 mm	
Maximum Printable Paper Length	Roll paper: 18 m (Varies according to the OS and application) Cut sheet: 1.6 m	
MARGINS		
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	
Borderless Printing	Media Width: 515mm (JIS B2), 1,030 mm (JIS B0), 594mm (ISO A1), 841mm (ISO A0), 10", 14", 17", 24", 36", 42"	
CUTTER		
Type Standard:	Automatic horizontal cutting (independent rotary cutter)	
Cutter durability (cuts)	35,000 cuts (A0 size) (under the condition 2 of the Product Durability in this spec sheet)	
OPTION		
Media Take-Up Unit (iPF810 only)	TU-06	
Portable Media Basket (iPF810 only)	BU-03	
Roll Holder Set		
(2-inch core roll holder with 3-inch paper tube attachment and borderless print spacer)	RH2-44	
IEEE1394 Expansion Board	EB-05 (The same as that for iPF9000)	
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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iPF 810 single roll with optional take up unit.



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