

# imagePROGRAF iPF840



## Large Format Print Solutions for CAD/GIS, Poster & Production printing

The imagePROGRAF iPF840 is a 44" printer delivering class leading productivity, exceptional quality, accuracy and an advanced set of features to ensure an excellent return on investment.



### Key features:

- Continuous productivity with high capacity 330 ml and 700 ml "hot swap" ink tanks - replaceable during production
- Clear drawings and more vibrant posters with latest magenta ink
- Highly accurate with 0.02 mm minimum line width and +/-0.1 % line accuracy
- Dual roll to handle large print runs with different types and sizes of media plus a large capacity basket
- Improved device management and security for large workgroups with eMaintenance connectivity, locking control panel and SNMP v3 Protocol
- Easily print PDF, TIFF, JPEG and HP-GL/2 files, from general graphics to CAD and GIS drawings, with bundled Direct Print & Share Utility
- Create powerful large format posters with ease using the bundled PosterArtist Lite software and Print Plug-in for Microsoft Office
- Easy printing from an iPad of PDF, JPEG and PNG data with Canon's especially designed free application imagePROGRAF Print Utility for iPad
- Intuitively create, print and manage jobs with Océ Publisher Select (autumn 2015) - productive, Windows based, large format printer job submission software
- HP-GL/2 and HP-RTL compatible

iPF840

**44**  
INCH

DUAL PAPER ROLL

HIGH CAPACITY  
BASKET

2,400 X 1,200 DPI

5 COLOURS WITH  
NEW MAGENTA

A0 42 SECONDS

A1 22 SECONDS

15,360 NOZZLES

320 GB HDD

ECONOMY PRINTING  
MODE

BORDERLESS  
PRINTING

**Canon**

# Specifications

# imagePROGRAF iPF840

## TECHNOLOGY

|                                      |                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Printer Type</b>                  | 5 Colour - 44"/1117.6 mm                                                                                                                                                                                                                                                                                                             |
| <b>Print Technology</b>              | Canon BubbleJet on Demand 6 colours integrated type (6 chips per print head x 1 print head)                                                                                                                                                                                                                                          |
| <b>Number of Nozzles</b>             | Total: 15,360 MBK: 5,120 nozzles<br>C, M, Y, BK: 2,560 nozzles each colour                                                                                                                                                                                                                                                           |
| <b>Print Resolution</b>              | 2,400 x 1,200 dpi                                                                                                                                                                                                                                                                                                                    |
| <b>Nozzle Pitch</b>                  | 1,200 dpi x 2 includes Non-firing nozzle detection and compensation system                                                                                                                                                                                                                                                           |
| <b>Guaranteed Minimum Line Width</b> | 0.02 mm                                                                                                                                                                                                                                                                                                                              |
| <b>Line Accuracy</b>                 | ±0.1 % or less                                                                                                                                                                                                                                                                                                                       |
| <b>Ink Droplet Size</b>              | 4 Picoliter per colour                                                                                                                                                                                                                                                                                                               |
| <b>Ink Capacity</b>                  | Bundled Starter Ink: 330 ml<br>Sales ink: 330 ml or 700 ml                                                                                                                                                                                                                                                                           |
| <b>Ink Type</b>                      | Dye / Pigment Reactive Ink<br>Dye: Cyan, Magenta, Yellow, Black<br>Pigment: Matte Black                                                                                                                                                                                                                                              |
| <b>OS Compatibility</b>              | <b>Windows 32 bit</b> - XP, Vista, 7, 8, 8.1, Server 2003/2003R2, Server 2008<br><b>Windows 64 bit</b> - Vista, 7, 8, 8.1, Server 2003/2003R2, Server 2008/2008R2, Server 2012/2012R2<br><b>Mac: OSX</b> - 10.6.8 - 10.10.x                                                                                                          |
| <b>Printer Languages</b>             | GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL                                                                                                                                                                                                                                                                 |
| <b>Standard Interfaces</b>           | USB 2.0 High-Speed Full Speed (12 Mbit/sec),<br>High Speed (480 Mbit/sec), Bulk transfer<br>IEEE 802.3 10base-T<br>IEEE 802.3u 100base-TX/Auto-Negotiation<br>IEEE 802.3ab 1000base-T/Auto-Negotiation<br>IEEE 802.3x Full Duplex<br>IEEE 802.3az EEE                                                                                |
| <b>Standard Memory</b>               | 32 GB (512 Mbyte)                                                                                                                                                                                                                                                                                                                    |
| <b>Hard Drive</b>                    | 320 GB                                                                                                                                                                                                                                                                                                                               |
| <b>Software Included</b>             | Canon Printer Driver, Status Monitor/Print Monitor, ExtraKit - Free Layout and IR enlargement Copy, Printer Driver Optimization Module for AutoCAD, Media Configuration Tool, PosterArtist Lite (PC only), Print Plug-in for Microsoft® Word/Excel/PowerPoint (PC only) Direct Print & Share utility, Custom Installer Creation Tool |

## PRINT SPEED

|                              |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------|
| <b>AO Size, Plain Paper</b>  | 0:42 min (Fast Economy Mode)<br>0:45 min (Fast Mode)<br>1:12 min (Standard Mode) |
| <b>AO Size, Coated Paper</b> | 1:12 min (Fast Mode)<br>2:19 min (Standard Mode)<br>3:37 min (High Quality Mode) |

## PAPER HANDLING

|                                             |                                                                                                                               |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Media Feed and Output</b>                | Roll: Two Roll, front loading, front output<br>Cut Sheet: Front-loading, Front Output (Manual feed using media locking lever) |
| <b>Paper path switch (roll / cut sheet)</b> | Roll / cut sheet manually switchable by user;<br>Upper / Lower roll automatically switchable                                  |
| <b>Delivery direction</b>                   | Face-up, front side                                                                                                           |
| <b>Media Width</b>                          | Roll Paper: 254 - 1118 mm<br>Manual Feed Cut Sheet: 203 - 1118 mm                                                             |
| <b>Media Thickness</b>                      | Roll Unit: 0.07 - 0.8 mm<br>Front Loading Manual Feed: 0.07 - 0.8 mm                                                          |
| <b>Maximum Printable Length</b>             | Roll: 18 m (varies according to the OS and application)<br>Cut Sheet: 1.6 m                                                   |

|                                              |                                                                                                                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Media Roll Diameter</b>           | 150.0 mm                                                                                                                                                                    |
| <b>Media Core Size</b>                       | Internal diameter of roll core: 2" / 3"                                                                                                                                     |
| <b>Margins Recommended area</b>              | Roll Paper: Top: 20 mm, Bottom: 5 mm, Side: 5 mm<br>Cut Sheet: Top: 20 mm, Bottom: 23 mm, Side: 5 mm                                                                        |
| <b>Margins Printable area</b>                | Roll Paper: Top: 3 mm, Bottom: 3 mm, Side: 3 mm<br>Roll Paper (Borderless Printing): Top: 0 mm, Bottom: 0 mm, Side: 0 mm<br>Cut Sheet: Top: 3 mm, Bottom: 23 mm, Side: 3 mm |
| <b>Borderless Printing Width (Roll Only)</b> | 1,030 mm (JIS B0), 841 mm (ISO A0), 594 mm (ISO A1),<br>515 mm (JIS B2), 42", 36", 24", 17", 14", 10"                                                                       |

## DIMENSIONS AND WEIGHT

|                                                                              |                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical Dimensions, Weight (Net)</b><br><b>W x D x H (mm), (Kg)</b>      | Main unit with printer stand, lower roll, lower rail, and portable basket:<br>1893 (W) x 1291 (D) x 1144 (H) mm<br>Weight: approx.189 kg (roll holder included, no inks, no print heads)                                                                           |
| <b>Physical Dimensions, Weight (Packaged)</b><br><b>W x D x H (mm), (Kg)</b> | Main unit (with printer stand, and palette and packaging included):<br>2080 (W) x 1060 (D) x 1220 (H) mm<br>Weight: approx.174 kg<br>Lower roll unit, portable basket(palette and packaging included):<br>1660 (W) x 938 (D) x 905 (H) mm<br>Weight: approx.115 kg |

## POWER AND OPERATING REQUIREMENTS

|                              |                                                                                                                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Supply</b>          | AC 100 - 240V (50 - 60 Hz)                                                                                                                                                                                                      |
| <b>Power Consumption</b>     | Operation: 190 W or less<br>Standby power consumption (At the low power mode): 5 W or less<br>Default setting for the time to enter the Sleep mode: Approx. 5 Minutes<br>Power Off Standby: 0.5 W or less (Corresponds to LOT6) |
| <b>Operating Environment</b> | 15 - 30°C, 10 - 80 % (Condensation free)                                                                                                                                                                                        |

## Acoustic Noise (Power/Pressure LWA d)

|                                 |                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Regulations</b>              | Operation: 52 dB (A) or less<br>Standby: 35 dB (A) or less<br>Measured in the above conditions, based on ISO 7779<br>Operation: 6.8 Bels or less<br>Measurement Conditions : Plain paper, standard mode (1pass / 25ips) / Normal temperature and normal humidity<br>Europe: CE mark, Germany: TUV, Russia: EAC,<br>Other Countries: CB Certification |
| <b>Environment Certificates</b> | ENERGY STAR, RoHS directive                                                                                                                                                                                                                                                                                                                          |

## WHAT'S INCLUDED

|                           |                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>What's in the Box?</b> | 1 print head, 1 set of starter ink tanks, 3 inch core adapters, Set up guide, User software CD-ROM (Mac & Win), A2 calibration sheet, PosterArtist Lite software CD-ROM, Announcement of LFP Survey Program, EAC leaflet, Quick guide, PRINTER STAND, Product security / environmental regulation manual, Printer Stand Setup Guide, EU/UK Power cord |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## OPTIONS

|                       |                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Optional Items</b> | Roll Holder Set (for both 2-inch and 3-inch core roll media): RH2-44<br>Roll Unit & Basket (Mandatory): RB-01 |
|-----------------------|---------------------------------------------------------------------------------------------------------------|

## CONSUMABLES

### User Replaceable Items

|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| <b>Ink Tanks:</b>             | PFI-307 BK / MBK / C / M / Y (330 ml)<br>PFI-707 BK / MBK / C / M / Y (700 ml) |
| <b>Print Head:</b>            | PF-04                                                                          |
| <b>Maintenance Cartridge:</b> | MC-10                                                                          |

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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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