**SPECIFICATIONS**

**Print-Head**
PF-04

**Technology**
FINE (FiNE-Photostylography Inket Nozzle Engineering)

**Print Resolution (Max.)**
2400 dpi x 1200 dpi

**Line Accuracy**
±1.0% or Less

**Minimum Line Weight**
0.02 mm

**Number of Nozzles**
Matte Black: 5,120 Nozzles
Other Colors: 2,560 Nozzles per Color

**Drop Size**
4 Picoliter

**Nozzle Pitch (Head Resolution)**
1200 dpi x Two Rows

**Print-Head Swath**
1.07 inch

**Ink Type**

<table>
<thead>
<tr>
<th>Color</th>
<th>Dye</th>
<th>Pigment</th>
<th>Matte Black (MBK)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyan</td>
<td>Cyan (C)</td>
<td>Magenta (M), Yellow (Y), Black (K)</td>
<td></td>
</tr>
<tr>
<td>Magenta</td>
<td>PF-107: C, M, Y, BK, MBK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>PF-207: C, M, Y, BK, MBK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>PF-207: C, M, Y, BK, MBK</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ink Tank Capacity**
Start: 130 ml (MBK), 90 ml (All other colors)
Replacement: 130 ml or 300 ml

**Ink Supply Method**
Tubing System with Sub-Ink-Tanks for Continuous Ink Supply

**Nozzle Recovery System**
Non-firing Nozzle Detection and Compensation

**Print Controller**
LCO-Processor

**Print Memory**
268 MB

**Hard Drive (IPF785/780S only)**
320 GB
32 GB Dedicated File Processing Memory

**Mail Boxes (User Job Storage) (IPF785/780S only)**
1 Common Inbox, 29 User Inboxes (Password-protected)

**Media Feed**

| Roll Feed | One Roll, Top-loading, Front Output |
| Square Cut | One Sheet, Top-loading, Front Output |

**Media Width**

| Roll Feed | 10” – 36” (254 mm – 914 mm) |
| IPF785/780S | 10” – 24” (254 mm – 610 mm) |
| IPF785/780S | 8” – 36” (203 mm – 914 mm) |
| IPF785/780S | 8” – 24” (203 mm – 610 mm) |

**Printable Margins**

| Roll Feed | All Sides: 0.12” (3 mm) or 0” for Borderless Cut Sheet (Left and Right): 0.12” (3 mm) |
| Square Cut | Width: 0” or Less |
| IPF785/780S | 140 W or Less |
| IPF785/780S | 1 W or Less (Executive Order Compliance) |

**Electrical Safety Regulations**
TUV (USA), TÜV (USA), TUV (Canada), CB certification (China)

**Electromagnetic Interface Regulations**
FCC Class B (USA), IC Class B (Canada)

**Environmental Certifications**
ENERGY STAR® (Worldwide), RoHS Directive

**Operational Environment**
Temperature
59° – 99° F (15° – 37° C)

**Relative Humidity**
10% – 80% (No Condensation)

**Printer Dimensions (H x W x D) and Weight** (with Stand and Basket)

| IPF785/780S | 42” x 31” x 35” (1067.8 x 801.2 x 889 mm) |
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**Options**
PostScript
IPF785/780S: Roll Holder Set (RH-33)
IPF785/780S: Roll Holder Set (RH-26)

**Use-Replaceable Items**

| Ink Tank | PF-107 MBK, BK, C, M, Y (IPF-107) |
| IPF785/780S | 295.2 GB (92.9 GB) |

**Print-Head (IPF-04)**
Maintenance Cartridge (MC-10)

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As an ENERGY STAR® Partner, Canon U.S.A., Inc. has qualified this model as meeting the ENERGY STAR® energy efficiency criteria through an EPA-recognized certification body. ENERGY STAR® and the ENERGY STAR® mark are registered U.S. trademarks. Canon, imagePROGRAF, imageRUNNER, and the E美丽LOGO are registered trademarks of Canon Inc. in the United States and may also be registered trademarks in other countries. Apple, iTunes, and iPad are registered trademarks of Apple Inc. All other names and product names are trademarks or registered trademarks of their respective owners. All printer output and images are simulated. Specifications and availability subject to change without notice. Not responsible for typographical errors.

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TECHNICAL DOCUMENTS
LARGE-FORMAT PRINTING
Simplify your workflow with the 36” imagePROGRAF iPF785/iPF780 and 24” iPF685/iPF680 Large-Format Printers

The newest additions to Canon’s technical document large-format printer line-up.

These printers aim to boost productivity while staying true to some of their great legacy features. Faster draft printing, increased ink tank sizes, a new magenta ink, and software enhancements help make printing easier and more convenient than ever before, while the sub-ink-tank system, large on-board hard drive,* and user-friendly assembly all carry over to help ensure the printer operates seamlessly into your workflow.

NEW FEATURES

HIGH PRODUCTIVITY
• Print speeds are capable of producing a 24” x 36” Arch D-sized print in approximately 21 seconds in Economy Mode!*

LARGE-CAPACITY INK TANKS
• In addition to the 130 ml ink tanks, 300 ml ink tanks are compatible with these solutions to help lower ink costs per print. Users also have the option to mix and match ink tank sizes.

NEW MAGENTA INK
• A newly formulated Magenta ink helps improve the clarity and vibrancy of red fine lines, text, and images.

SUB-INK-TANK SYSTEM
• Allows for ink tanks to be changed on the fly, without interrupting the print job.

SOFTWARE
• Canon workflow solutions feature familiar and new favorites, such as a new mobile printing app,** Direct Print & Share, Status Monitor, Media Configuration Tool, Print Plug-in for Microsoft® Office, and more!

*Hard drive included only with iPF785 and iPF685 models.

**App can be downloaded from iTunes®.
ADVANTAGES

SPEED
The imagePROGRAF iPF785/780 and iPF685/680 printers offer speeds that have never been seen before on previous Canon large-format printer models. In their fastest mode (Economy Mode), the 36” iPF785/780 printers are capable of reproducing 24” x 36” Arch D-sized prints in approximately 21 seconds! The 24” iPF685/680 printers can reproduce 24” x 36” Arch D-sized prints in approximately 25 seconds!

INK
A newly formulated Magenta ink helps improve the clarity and vibrancy of red fine lines, text, and images in many technical and poster prints. The color gamut has also increased in the orange to red areas when compared to previous models. From a productivity perspective, the printers now support ink tank sizes of 300 ml to help lower the cost per print. The included sub-ink-tank system allows for users to use all the ink that’s available in a tank before replacement is needed. It also allows for on-the-fly swapping of ink tanks, should one run out during the middle of a print job.

Also included on the iPF785 and iPF685 models is a 320 GB hard drive, allowing for the storage of up to 500 print jobs, the creation of individual user mailboxes, and improved print processing while falling under U.S. Department of Defense requirements (DoD 5220.22-M).

SOFTWARE
Enhancements to the line-up of imagePROGRAF software solutions will help improve printing workflow and management.

imagePROGRAF Print Utility*
For the first time, a mobile app has been made available for imagePROGRAF large-format printers. This iOS-based app allows users to print PDF files from their iPad®.

Direct Print & Share 2.0**
Canon’s cloud-based portal solution has been updated to support additional WebDAV-compliant cloud servers, along with HP-GL/2 data to allow for the printing of JPG, TIFF, PDF, and HP-GL/2 files from almost anywhere in the world! Also, a new “shortcut print” button has been added. With this additional functionality, hot folders can be created and set up on your desktop. You can drag and drop your files into the folders and your jobs will begin printing automatically! Multiple folders can be set up for shortcut printing, each with their own print settings for custom printing applications!

PosterArtist
Canon’s optional, added-value poster-creation software has been upgraded for use with Direct Print & Share. Various software improvements with variable data printing and file structure have also been made for easier use.

Status Monitor
This software can be used with all imagePROGRAF devices and has been updated to include an “ink purchase notification” function. This notifies users when their ink supply is low and a purchase is needed.

ADDED FEATURES
All four models include the flat stacker/basket, previously seen on only the iPF76x Series models. This feature provides the capability to neatly stack up to twenty 24” x 36” plain paper prints and can be enabled or disabled based on user preference.

* Available at the App Store. Compatible with iPad® 2 or later, running iOS 8.1 or later. Data charges may apply. Printed output will be the same size as original file. Mobile device and large-format printer must utilize the same network. Printer must be connected to the same router that the mobile device is connected to via wireless capability. Wireless performance may vary based on terrain and distance between the printer and wireless network clients. In order to print from imagePROGRAF Print Utility, user must open his/her PDF file in another, supported iPad app. Then, the user would select “Open In” and choose the Print Utility app.

** Your server must be compatible with a WebDAV-enabled cloud account, including, but not limited to, Google, Carbonite, or Recospace to take advantage of the cloud functionality. Storage capacity, and any pricing thereof, is based on the third-party cloud provider’s current offering, at its sole discretion. Your cloud account is subject to the third-party cloud provider’s terms and conditions. Neither Canon Inc. nor Canon U.S.A., Inc. represents or warrants any third-party product, service, or feature referenced hereunder.