VERSATILITY THAT **GROWS** WITH YOUR **BUSINESS**

IMAGEPROGRAF IPF670



The imagePROGRAF iPF670 Large Format Printer for CAD and graphics

Now you can produce consistently impressive quality output up to 24" (A1) with speed and precision. These versatile, easy-to-use models offer a range of clever features designed to enhance productivity for an excellent return on your investment.

At a glance

- 24 inch
- 2400 x 1200dpi
- Min line width 0.02mm
- 5 colour reactive ink
- 4pl ink droplet
- Borderless printing
- Economy printing mode

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Poster Artist
Design and print your own posters and signs with ease

Flat stacker/basket
Neatly stacks up to 20 A1 prints

Top Loading Media
Space saving design with convenient operation and easy to use

Sub-ink tank system
Ink can be changed without interrupting a print job

Accounting Manager
Software helps keep track of printing costs

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General	
Model	iPF670
Class	24-inch
Ink Type	Dye and pigment reactive ink: BK, MBK , C, M, Y
Maximum Print Resolution	2,400 x 1,200dpi
Installation	User installation
Printer Stand	Assembly type
Dimensions, Weight (Net) W x D x H (mm), (Kg)	
Main unit + Printer Stand ST-26 (with a basket open)	W997 x D870 x H1062mm (ST-26: When with basket open) Weight: 52.5kg (ST-26, roll holder included, no inks, no print heads)
Main unit + Printer Stand ST-27 (with a basket open)	W997 x D887 x H1062mm (ST-27: When with basket open) W997 x D1100 x H1062mm (ST-27:When a basket is at the extended position for flatbed stacking) Weight: 53.7kg (ST-27, roll holder included, no inks, no print heads)
Main unit (with a basket open)	W997 × D698 × H507mm Weight: 43.0kg
Dimensions, Weight (Packaged) W x D x H (mm), (Kg)	
Main unit (with a palette included)	W1127 x D830 x H773mm, Weight: 72.0kg
Printer Stand (ST-26)	W1073 x D766 x H263mm, Weight: 15.0kg
Printer Stand (ST-27)	W1083 x D766 x H350mm, Weight: 19.0kg
Power Supply	
Input power	AC 100 - 240V (50-60 Hz)
Power consumption	Operation: 140W or less
Standby power consumption 100 V - 120V	5W or less
At the low power mode 220 V - 240 V	5W or less
Default setting for the time to enter the Sleep mode	approx. 5min
Power off (standby)	0.5W or less
Operational Environment	
Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
Acoustic Noise	
Acoustic pressure	Operation: approx. 47dB (A) (Plain paper, Standard printing mode. Line Drawing/Text). Standby: 35 dB (A) or less. Measured in the above conditions, based on ISO 7779
Acoustic power (LWAd)	Operation: approx. 6.4 Bels (Plain paper, Standard printing mode. Line Drawing/Text). Measured in the above conditions, based on ISO 7779
Minimal Line Width	
0.02mm (Theoretical value)	
Line Accuracy	
±0.1 % or less. User adjustments necessary. Printing environment and media must match those used for the adjustments. CAD paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only.	
Detector and Adjustment	
Registration adjustment	Automatic / Manual
Banding adjustment (Line Feed adjustment)	Automatic / Manual
Line length adjustment	Manual
Head slant adjustment	Automatic / Manual
Colour calibration	No
Head gap adjustment	Automatic / Manual (6 levels)
Non-firing detection	Yes
Non-firing compensation	Yes
Roll media remaining detection function	Yes
Memory	
Standard memory	256 Mbyte
Expansion slot	No
Firmware	
Languages - Printer Language	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL
Languages - Job Control	CPCA
Languages - Status Reply	CPCA, SNMP-MIB, Standard MIB, Canon-MIB
Type	Flash ROM
Update	Updated from USB, Ethernet port (Utility use)
Operation Panel	
Display	Large LCD: 160 x 128 dots; Key x 13, LED x 5
Language on operation panel	US-English, Japanese
Languages	US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Russian, Brazilian portuguese language, Japanese (Kanji)
Hard Disk Drive	
No	
Interface	
USB - Type	Built-in
USB - Type	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer
USB - Connector Type	Series B (4 pins)
Ethernet - Type	Built-in
Ethernet - Standard	IEEE 802.3 10base-T, IEEE 802.3u 100base-TX / Auto-Negotiation, IEEE 802.3ab 1000base-T / Auto-Negotiation, IEEE 802.3x Full Duplex, IEEE 802.3az EEE
Ethernet - Protocol	SNMP (Canon-MIB supported), HTTP, TCP/IP (IPv4/IPv6)
Expansion Slot	
No	
Print Head	
Model	PF-04
Type	Bubble-jet on demand
Head configuration	6 colours integrated type (6 chips per print head x 1 print head)
Nozzle pitch	600dpi x 2 lines = 1200dpi
Nozzle per chip	MBK: 5, 120 nozzles, each other colour: 2, 560 nozzles
Droplet size	Minimum 4pl (per colour)
Head replacement	User replacement

Ink Tank	
Model	MBK/BK/C/M/Y - PFI-107 (130ml per ink tank)
Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)
Colours	BK/MBK/C/M/Y
Capacity	Bundled starter ink : 90ml, sales ink : 130ml
Level detection	Detected by dot count and electrode (Empty)
Smart chip	Each ink tank is equipped with EEPROM which stores its ink level
Cutter	
Model	-
Type	Standard: Automatic horizontal cutting (Rotary cutter)
Cutter durability (cuts)	Adhesive media: 25,000 cuts Non-adhesive media: 100,000 cuts
Replacement	Service replacement
Media Feed and Output	
Roll paper	One Roll, top loading, front output
Cut sheet	Top-feeding, font output (Manual feed using media locking lever)
Paper path switch (roll/cut sheet)	Manually switchable by user
Delivery direction	Face-up, front side
Maximum stacking number of delivered print	1 sheet: In case of the regular basket position. Approx. 20 sheets: In case the basket is at the extended positions. (Except for the cases where delivered prints are rolled in because of environmental impact and media curls.)
Types of media stackable on the extended basket	One Roll, top loading, front output
Usage environment of the extended basket /Image	At normal temperature and normal humidity (15°C 30% - 30°C 60%) / Image: Line drawing (images equivalent to the Cottage.)
Sizes of media stackable on the extended basket	Extended position A: A1 portrait or Width 24" x Length 36" Extended position B (Flatbed stacking): A2 landscape or Width 24" x Length 18"
Media Size - Roll paper (width)	
ISO	A3, A2, A2+, A1
JIS	B4, B2
ARCH	24"
Others	10", 14", 16", 17", Banner (300mm)
Media Size - Cut Sheet	
ISO	A4, A3, A3+, A2, A2+, A1, A0 B4, B3, B2"
DIN	C4, C3, C2,
JIS	B4, B3, B2
ANSI	8.5 x 11", 8.5 x 14", 11 x 17", 13 x 19", 17 x 22", 22 x 34"
ARCH	9 x 12", 12 x 18", 18 x 24", 24 x 36"
Photo	20 x 24", 18 x 22", 14 x 17", 12 x 16", 10 x 12", 10 x 15", 16 x 20" (US Photo size)
Poster	20 x 30", 300 x 900mm
Others	13 x 22"
Media Thickness	
Roll paper	0.07 - 0.8mm
Cut sheet	
Maximum Outside Diameter of Roll Paper	150mm or less
Media Core Size	Internal diameter of roll core: 2" / 3"
Media Width	
Roll paper	254 (10") - 609.6 (24")mm
Cut sheet	203.2 (8") - 609.6 (24")mm
Minimum Regular Format Size (Vertical)	
Roll paper	203.2mm (8")
Cut sheet	279.4mm (11"): Letter size (long side)
Maximum Printable Paper Length	
Roll paper	18m (Varies according to the OS and application)
Cut sheet	1.6m (Varies according to the OS and application)
Margins - Recommended area	
Roll paper	Top: 20mm, Bottom: 5mm, Left and Right: 5mm
Cut sheet	Top: 20mm, Bottom: 23mm, Left and Right: 5mm
Margins - Printable area	
Roll paper	Top: 3mm, Bottom: 3mm, Left and Right: 3mm
Roll paper (borderless printing)	Top: 0mm, Bottom: 0mm, Left and Right: 0mm
Cut sheet	Top: 3mm, Bottom: 23mm, Left and Right: 3mm
Borderless Printing	
Media width	10" (254mm), B4 (257mm), A3 (297mm), Banner (300mm), 14" (356mm), A2 (420mm), A2+/17" (432mm), B2 (515mm), A1 (594mm), 24" (610mm)

Regulations	Electrical safety regulations	Electromagnetic interface regulations	Other regulations
Australia	RCM	RCM	
New Zealand		RCM	
Environment certifications			
ENERGY STAR, RoHS directive			
Option			
Roll Holder Set (for both 2-inch and 3-inch core roll media)		RH2-26	
Stand Basket		ST-27	
Consumables			
Ink Tank		PFI-107 MBK / BK / C / M / Y	
Print Head		PF-04	
Maintenance Cartridge		MC-10	

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