



**HP MFP S956dn**

# QUICK START GUIDE

|  |    |
|--|----|
| BEFORE FIRST USE .....   | 2  |
| OPERATION MANUALS AND HOW TO USE THEM .....                        | 4  |
| USER'S MANUAL DOWNLOAD .....                                       | 5  |
| CAUTIONS .....   | 6  |
| Symbols in this manual .....                                       | 6  |
| Power notes .....  | 6  |
| Installation notes .....   | 7  |
| About consumables .....  | 8  |
| Handling precautions .....   | 8  |
| PART NAMES .....   | 10 |
| TURNING THE POWER ON AND OFF .....                                 | 11 |
| HOME SCREEN (For operating the touch panel and functions) .....    | 12 |
| OVERVIEW OF COPY OPERATION .....                                   | 13 |
| OVERVIEW OF OTHER OPERATIONS (For functions other than copy) ..... | 14 |
| MAINTENANCE .....  | 15 |
| SPECIFICATIONS .....   | 16 |
| SUPPLIES .....   | 22 |
| OTHERS .....   | 23 |
| TO THE ADMINISTRATOR OF THE MACHINE .....                          | 24 |



[www.hp.com](http://www.hp.com)

Keep this manual close at hand for reference whenever needed.

# BEFORE FIRST USE

## For the users of the fax function

### ■ Important safety instructions

- If any of your telephone equipment is not operating properly, you should immediately remove it from your telephone line, as it may cause harm to the telephone network.
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use a telephone to report a gas leak in the vicinity of the leak.
- Do not install or use the machine near water, or when you are wet. Take care not to spill any liquids on the machine.
- Save these instructions.

This equipment connects to the telephone network through a standard USOC RJ-11C network interface jack. If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer. This equipment may not be used on coin service provided by the telephone company. Connection to party lines service is subject to state tariffs.

**NOTE:** This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

This device complies with industry Canada license -exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

Each instruction also covers the optional units used with these products.

### Caution!

For complete electrical disconnection, pull out the main plug.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

## FAX interface cable and Line cable

These special accessories must be used with the device.

To reduce the risk of fire, use only UL-Listed No.26 AWG or larger telecommunication line cord.

## FOR YOUR RECORDS ...

To protect against loss or theft, record and retain for reference the machine's serial number located at the lower left corner of the left side of the machine.

Model Number \_\_\_\_\_

Serial Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Place of Purchase \_\_\_\_\_

Authorized HP Printer \_\_\_\_\_

Service Department Number \_\_\_\_\_

## Notice for Users in U.S.A.

EMC (this machine and peripheral devices)

### ■ Warning:

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

**NOTE:** Shielded interface cables must be used with this equipment to maintain compliance with EMC regulations.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This machine contains the software having modules developed by Independent JPEG Group.

Copyright© 1995-2007 Adobe Macromedia Software LLC. All rights reserved.

This product includes the Adobe® PostScript®3™ of Adobe Systems Incorporated.

This product uses "InstantBoot" provided by IT Access Co., Ltd., Japan.

# BEFORE FIRST USE

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- NOTE:**
- The explanations in this manual assume that you have a working knowledge of your Windows or Macintosh computer.
  - For information on your operating system, please refer to your operating system manual or the online Help function.
  - The explanations of screens and procedures in this manual are primarily for Windows Vista® in Windows® environments. The screens may vary depending on the version of the operating system.
  - This manual contains references to the fax function. However, please note that the fax function is not available in some countries and regions. In this case, please install the English version if you want to use these drivers.
  - Considerable care has been taken in preparing this manual. If you have any comments or concerns about the manual, please contact your HP or 3rd party service and support representative.
  - This product has undergone strict quality control and inspection procedures. In the unlikely event that a defect or other problem is discovered, please contact your HP or 3rd party service and support representative.
  - Aside from instances provided for by law, HP is not responsible for failures occurring during the use of the product or its options, or failures due to incorrect operation of the product and its options, or other failures, or for any damage that occurs due to use of the product.
- 



Products that have earned the ENERGY STAR® are designed to protect the environment through superior energy efficiency. The products that meet the ENERGY STAR® guidelines carry the logo shown above. The products without the logo may not meet the ENERGY STAR® guidelines.

## ■ Warranty

While every effort has been made to make this document as accurate and helpful as possible, HP makes no warranty of any kind with regard to its content. All information included herein is subject to change without notice. HP is not responsible for any loss or damages, direct or indirect, arising from or related to the use of this operation manual.

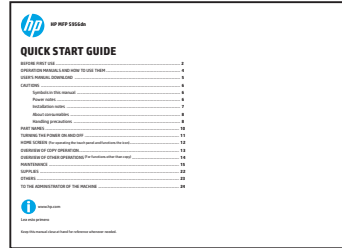
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# OPERATION MANUALS AND HOW TO USE THEM

## Quick Start Guide (this document)

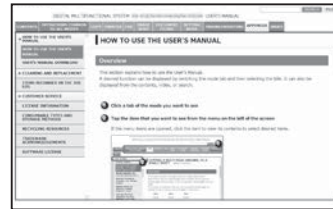
Features important safety notes, names of parts and components, information about the power-on procedure, operation overviews, information for people who manage the machine, and information about other aspects of this machine.

Read this section before using the machine for the first time.



## User's Manual

Can be downloaded from the machine to a computer and viewed. Refer to this document to learn more about printer mode and settings mode, and to learn about the details of each type of mode.



## HP Universal Print Driver (UPD)

The HP Universal Print Driver is the single driver that gives users instant access to a range of HP print products without downloading separate drivers.

For more information on the UPD, go to [www.hp.com/go/upd](http://www.hp.com/go/upd)

## Operation Guide

Can be viewed by touching the operation guide icon on the machine's touch panel. When you are using this machine, use this document to see an overview of a particular mode or when you are having trouble operating the machine.



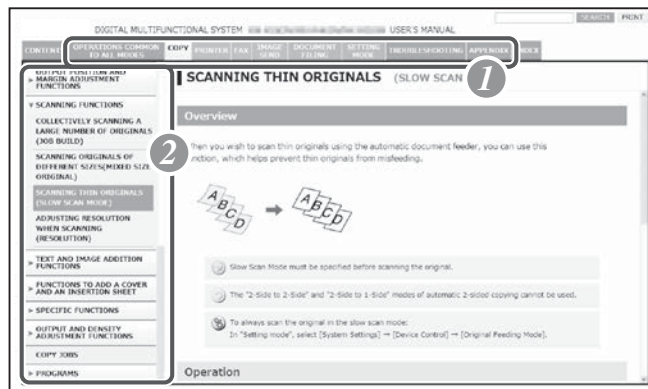
## About the User's Manual

The "User's Manual" describes details of the functions available on this machine.

You can download the User's Manual from this machine to your computer and then view it using a web browser.

For information on how to download the User's Manual, see "USER'S MANUAL DOWNLOAD" on page 8.

Switch the tab and click the menu shown on the left to display the function you require.



1 Click to switch the tab for the mode you want to view.

2 From the left-hand menu, click the item you want to view.

### Tips

You can also look up the function you require using the Contents, Index, or search function. The above will help you locate the page containing the procedure describing what you want to do.

- OPERATIONS COMMON TO ALL MODES
- COPY
- PRINTER
- FAX
- IMAGE SEND

- DOCUMENT FILING
- SETTING MODE
- TROUBLESHOOTING
- APPENDIX

# USER'S MANUAL DOWNLOAD

You can download the User's Manual by accessing the built-in web server of this machine. You can print the All Custom Setting List to check the machine's IP address.

## Checking the IP address

To check the IP address, you can print the All Custom Setting List from the machine.

1 Press the [Home Screen] key.



2 Tap the [Settings] key.



3 Operate the touch panel.

(1) Tap the [System Settings] key in the left menu.

(2) Tap the [List Print: (User)] key in the left menu.

(3) Tap the [Print] key in the [All Custom Setting List].

The All Custom Setting List is printed. You can check the IP address on the printed list.

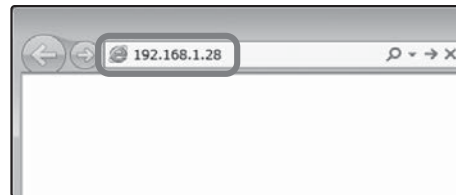
## Downloading the User's Manual

From the web page, download the "User's Manual" that provides more detailed information on this machine.

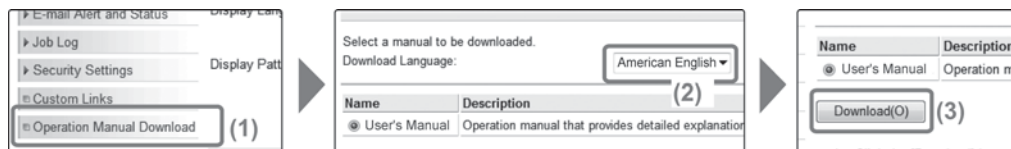
1 In the address bar of a web browser, type the machine's IP address to access the machine.

http://Machine's IP address/ Depending on the machine settings, user authentication may be required. For the account information required for

2 authentication, contact the machine administrator. Download the "User's Manual".



On the page that is displayed, click [Operation Manual Download]. Then, select the language from the "Language" list, and click the [Download] button.



3 Expand the "User's Manual" you have downloaded.

If you are using Windows, right-click the downloaded file and select [Expand All] from the menu.\*

If you are using a Macintosh, double-click the downloaded file.

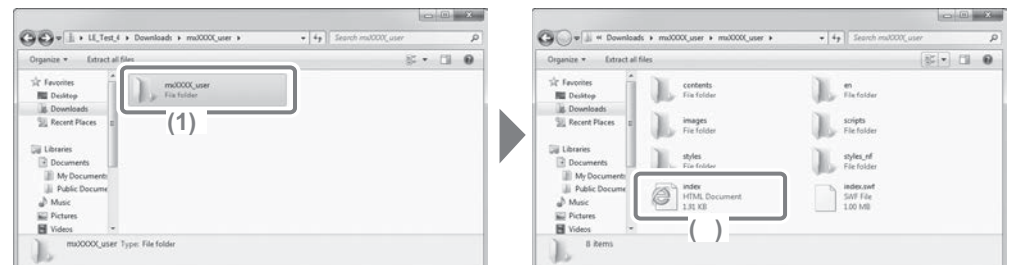
Follow the instructions that appear in the Deployment Wizard.

When the expansion process is completed, the [User's Manual] folder is created.

\* If [Expand All] does not appear in the menu, use any expansion (unzip) application.

4 View the "User's Manual" you have downloaded.

Open the [User's Manual] folder, and double-click "index.htm".



# CAUTIONS

## Symbols in this manual

To ensure safe use of the machine, this manual uses various safety symbols. The safety symbols are classified as explained below. Be sure you understand the meaning of the symbols when reading the manual.



**WARNING**  
Indicates a risk of death or serious injury.



**CAUTION**  
Indicates a risk of human injury or property damage.

Meaning of the symbols



**CAUTION!**  
HOT



**PINCH POINT**  
KEEP CLEAR



**PROHIBITED**  
ACTIONS



**DO NOT**  
DISASSEMBLE



**MANDATORY**  
ACTIONS

## Power notes



### WARNING



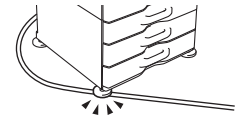
**Be sure to connect the power cord only to a power outlet that meets the specified voltage and current requirements. Also make certain the outlet is properly grounded. Do not use an extension cord or adapter to connect other devices to the power outlet used by the machine. Using an improper power supply may cause fire or electrical shock.**

\* For the power supply requirements, see the name plate in the lower left corner of the left side of the machine.



**Do not damage or modify the power cord.**

Placing heavy objects on the power cord, pulling it, or forcibly bending it will damage the cord, resulting in fire or electrical shock.



**Do not insert or remove the power plug with wet hands.**

This may cause electrical shock.



### CAUTION



**When removing the power plug from the outlet, do not pull on the cord.**

Pulling on the cord may cause damage such as wire exposure and breakage, and may result in fire or electrical shock.



**If you will not use the machine for a long time, be sure to remove the power plug from the outlet for safety.**



**When moving the machine, switch off the main power and remove the power plug from the outlet before moving.**

The cord may be damaged, creating a risk of fire or electrical shock.

# Installation notes

## ⚠ CAUTION

- ⊘ **Do not install the machine on an unstable or slanted surface. Install the machine on a surface that can withstand the weight of the machine.**

Risk of injury due to the machine falling or toppling.  
If peripheral devices are to be installed, do not install on an uneven floor, slanted surface, or otherwise unstable surface. Danger of slippage, falling, and toppling. Install the product on a flat, stable surface that can withstand the weight of the product.

- ⊘ **Do not install in a location with moisture or dust.**

Risk of fire and electrical shock.  
If dust enters the machine, dirty output and machine failure may result.

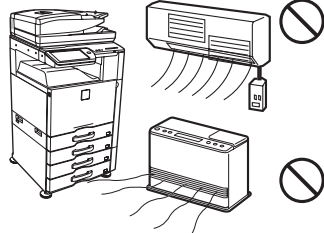


- ⊘ **Locations that are excessively hot, cold, humid, or dry (near heaters, humidifiers, air conditioners, etc.)**

The paper will become damp and condensation may form inside the machine, causing misfeeds and dirty output.

📖 SPECIFICATIONS (page 19)

If the location has an ultrasonic humidifier, use pure water for humidifiers in the humidifier. If tap water is used, minerals and other impurities will be emitted, causing impurities to collect on the inside of the machine and create dirty output.

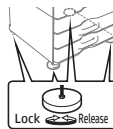


- ⚠ **When the machine is installed, the adjusters (4) must be lowered to the floor to secure the machine (prevent it from moving).**

Rotate the adjusters in the locking direction until they are in firm contact with the floor.

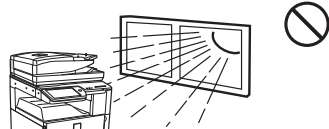
**If you find it necessary to reposition the machine due to rearrangement of your office layout or other reason, retract the adjusters from the floor, turn off the power, and then move the machine.**

(After moving the machine, lower the adjusters again to secure the machine.)



- ⊘ **Locations exposed to direct sunlight**

Plastic parts may become deformed and dirty output may result.



- ⊘ **Locations with ammonia gas**

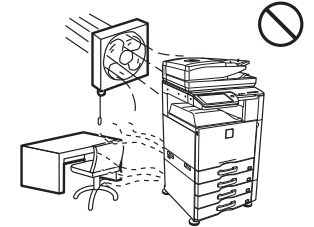
Installing the machine next to a diazo copy machine may cause dirty output.



- ⊘ **Do not install the machine in a location with poor air circulation.**

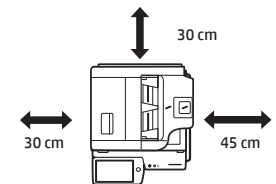
A small amount of ozone is created inside the machine during printing. The amount of ozone created is not sufficient to be harmful; however, an unpleasant odor may be noticed during large copy runs, and thus the machine should be installed in a room with a ventilation fan or windows that provide sufficient air circulation. (The odor may occasionally cause headaches.)

\* Install the machine so that people are not directly exposed to exhaust from the machine. If installed near a window, ensure that the machine is not exposed to direct sunlight.



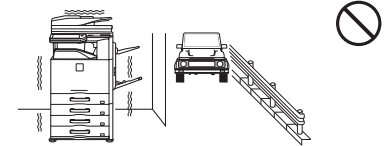
- ⊘ **Near a wall**

Be sure to allow the required space around the machine for servicing and proper ventilation. (The machine should be no closer than the distances indicated below from walls. The indicated distances are for the case when a saddle finisher and large capacity paper tray are not installed.)



- ⊘ **Locations subject to vibration.**

Vibration may cause failure.



## ⚠ CAUTION

The machine includes a built-in hard drive. Do not subject the machine to shock or vibration. In particular, never move the machine while the power is on.

- The machine should be installed near an accessible power outlet for easy connection.
- Connect the machine to a power outlet which is not used for other electric appliances. If a lighting fixture is connected to the same outlet, the light may flicker.

# CAUTIONS

## About consumables

### CAUTION



**Do not throw a toner cartridge into a fire.**

Toner may fly and cause burns.



**Store a toner cartridge out of the reach of children.**

## Handling precautions



**Do not place a container of water or other liquid, or a metal object that might fall inside, on the machine.**

If the liquid spills or the object falls into the machine, fire or electrical shock may result.



**Do not remove the machine casing.**

High-voltage parts inside the machine may cause electrical shock.



**Do not make any modifications to this machine.**

Doing so may result in personal injury or damage to the machine.



**Do not use a flammable spray to clean the machine.**

If gas from the spray comes in contact with hot electrical components or the fusing unit inside the machine, fire or electrical shock may result.



**If you notice smoke, a strange odor, or other abnormality, do not use the machine.**

If used in this condition, fire or electrical shock may result. Immediately switch off the main power and remove the power plug from the power outlet. Contact your HP or 3rd party service and support representative.



**If a thunder storm begins, switch off the main power and remove the power plug from the outlet to prevent electrical shock and fire due to lightning.**




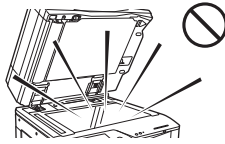
**If a piece of metal or water enters the machine, switch off the main power and remove the power plug from the power outlet.**


Contact your HP or 3rd party service and support representative. Using the machine in this condition may result in electrical shock or fire.

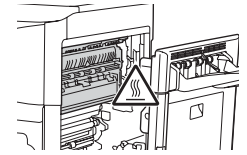



# CAUTION


 **Do not look directly at the light source.**  
Doing so may damage your eyes.

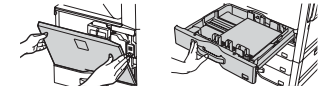


 **The fusing unit and paper exit area are hot. When removing a misfeed, do not touch the fusing unit and paper exit area. Take care not to burn yourself.**



 **Do not block the ventilation ports on the machine. Do not install the machine in a location that will block the ventilation ports.**  
Blocking the ventilation ports will cause heat to build up in the machine, creating a risk of fire.

 **When loading paper, removing a misfeed, performing maintenance, closing the front and side covers, and inserting and removing trays, take care that your fingers are not pinched.**



The machine includes the document filing function, which stores document image data on the machine's hard drive. Stored documents can be called up and printed or transmitted as needed. If a hard drive failure occurs, it will no longer be possible to call up the stored document data. To prevent the loss of important documents in the unlikely event of a hard drive failure, keep the originals of important documents or store the original data elsewhere. With the exception of instances provided for by law, HP bears no responsibility for any damages or loss due to the loss of stored document data.

## Laser information

|              |   |
|--------------|---|
| Wave length  | 792 nm + 8 nm/-12 nm  |
| Pulse times  | Normal paper mode (P/S = 255 mm/s) = 6.16 $\mu$ s $\pm$ 0.019 $\mu$ s / 7 mm<br>Heavy paper mode (P/S = 175 mm/s) = 8.98 $\mu$ s $\pm$ 0.028 $\mu$ s / 7 mm |
| Output power | Max 1.0 mW (LD1+LD2+LD3+LD4)  |

### Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This Digital Equipment is CLASS 1 LASER PRODUCT (IEC 60825-1 Edition 2-2007)

### SAFETY PRECAUTIONS

This Digital Equipment is rated Class 1 and complies with 21 CFR 1040.10 and 1040.11 of the CDRH standards. This means that the equipment does not produce hazardous laser radiation. For your safety, observe the precautions below.

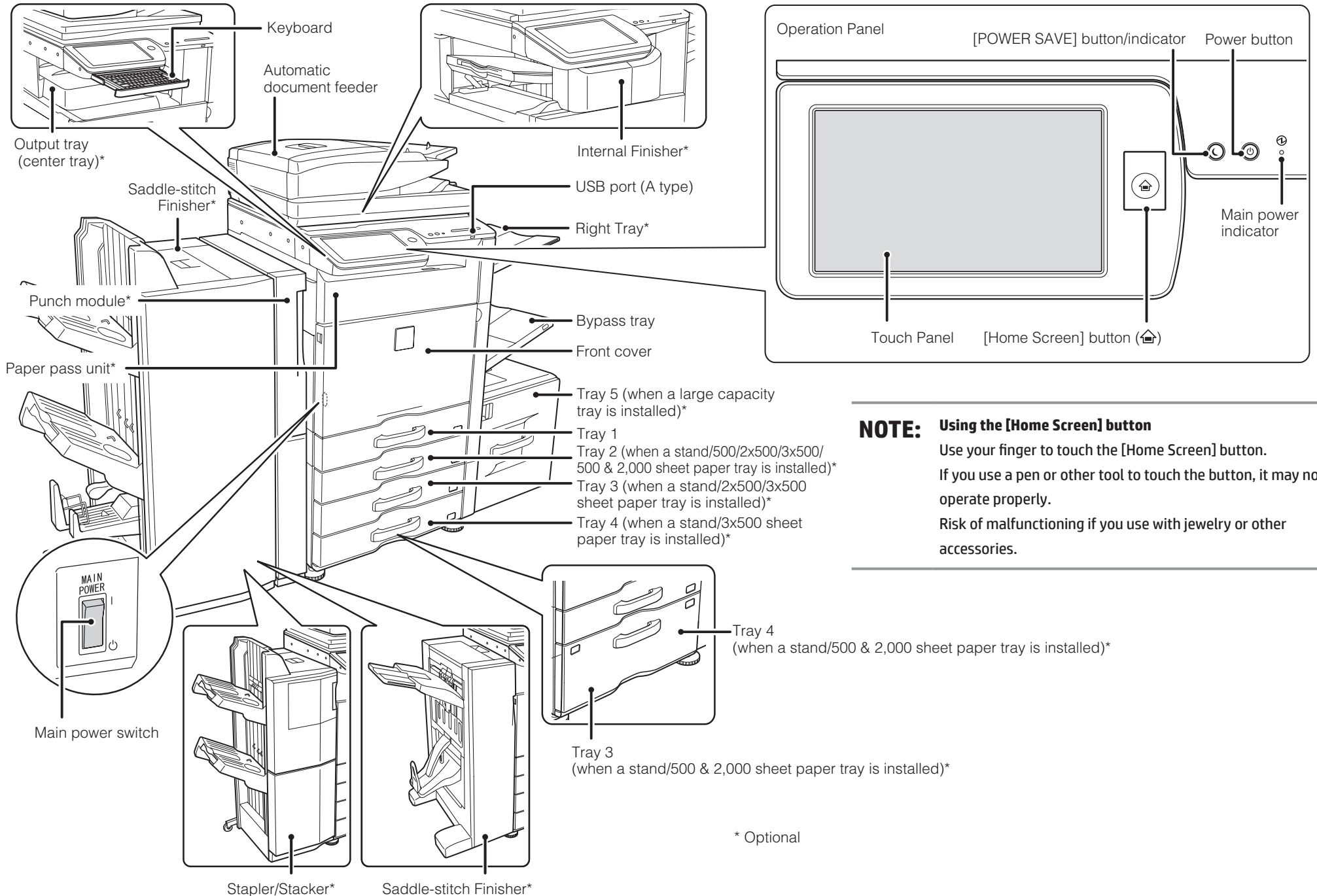
- Do not remove the cabinet, operation panel or any other covers.
- The equipment's exterior covers contain several safety interlock switches. Do not bypass any safety interlock by inserting wedges or other items into switch slots.

### "BATTERY DISPOSAL"

THIS PRODUCT CONTAINS A LITHIUM PRIMARY MEMORY BACK-UP BATTERY THAT MUST BE DISPOSED OF PROPERLY. PLEASE CONTACT YOUR HP OR 3RD PARTY SERVICE AND SUPPORT REPRESENTATIVE FOR ASSISTANCE IN DISPOSING OF THIS BATTERY.

This product utilizes a CR coin Lithium battery which contains a Perchlorate material. Special handling for this material may apply, California residents, See [www.dtsc.ca.gov/hazardouswaste/perchlorate/](http://www.dtsc.ca.gov/hazardouswaste/perchlorate/) Others, consult local environmental officers.

# PART NAMES



**NOTE: Using the [Home Screen] button**  
 Use your finger to touch the [Home Screen] button.  
 If you use a pen or other tool to touch the button, it may not operate properly.  
 Risk of malfunctioning if you use with jewelry or other accessories.

\* Optional

# TURNING THE POWER ON AND OFF

This machine has a main power switch, found at the bottom left after the front cover is opened, and a power button (⏻), located on the operation panel.

## Turning on the power

- Switch the main power switch to the “|” position.
- After the main power indicator lights in green, press the power button (⏻).

## Turning off the power

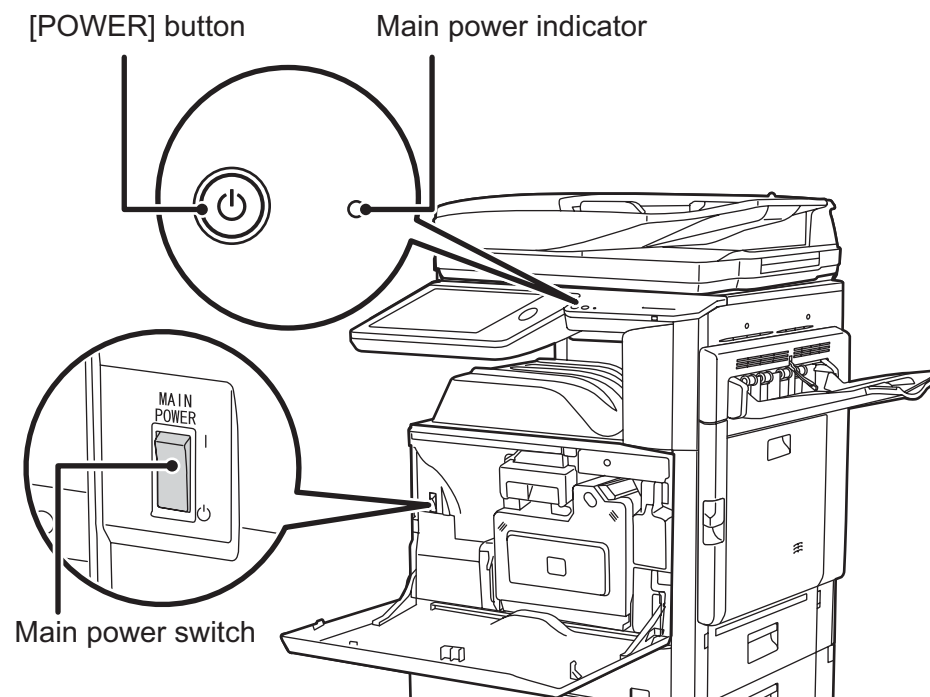
- (1) Press the power button (⏻) to turn off the power.
- (2) Switch the main power switch to the “⏻” position.

## Restarting the machine

In order for some settings to take effect, the machine must be restarted. If a message in the touch panel prompts you to restart the machine, press the power button (⏻) to turn off the power and then press the key again to turn the power back on.


### CAUTION

- When turning off the power, make sure that the indicators on the operation panel turn off as well.
- If the machine suddenly turns off, such as in the event of a power failure, turn the machine on again, and then turn off the machine following the correct procedure for turning off the machine.  
Switching off the main power switch or removing the power cord from the outlet while any of the indicators are lit or blinking may damage the hard drive and cause data to be lost.
- Switch off both the power button (⏻) and the main power switch and unplug the power cord if you suspect a machine failure, if there is a bad thunderstorm nearby, or when you are moving the machine.

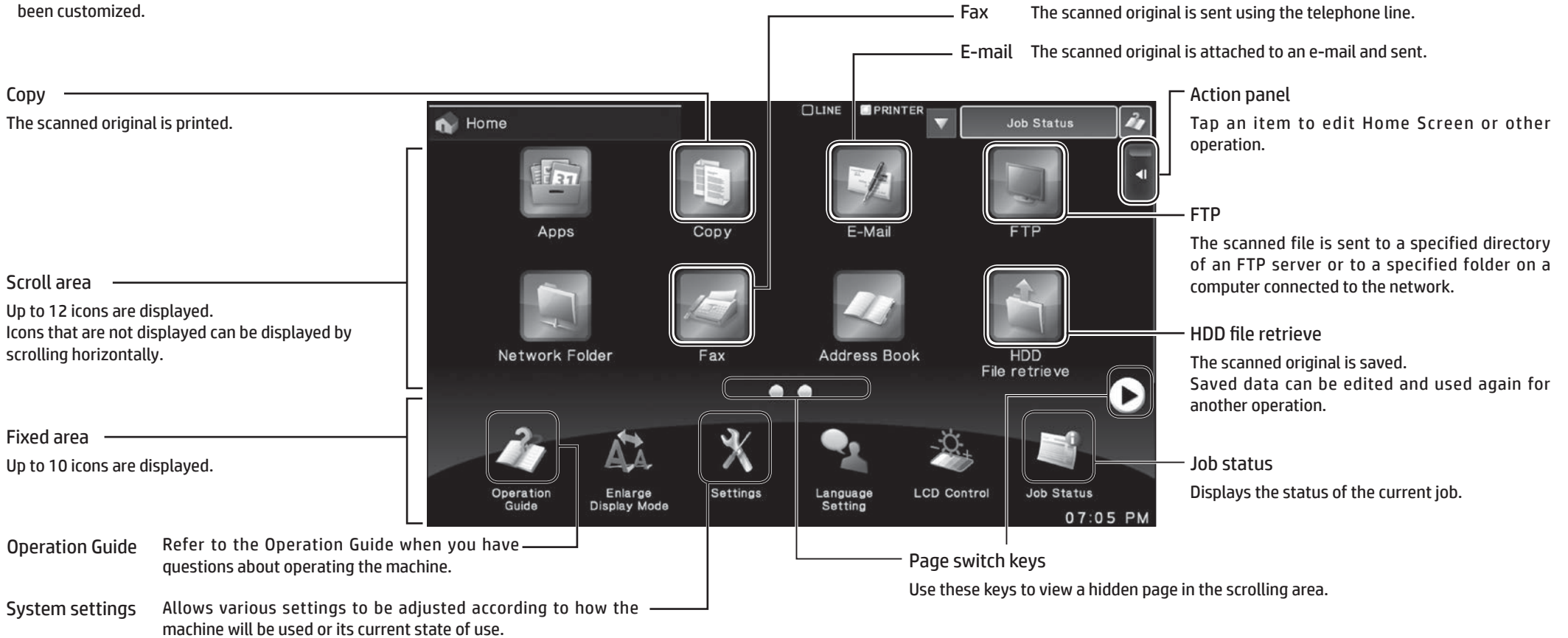


- NOTE:**
- When using the fax always keep the main power switch in the “|” position.
  - In some states of the machine, pressing the power button (⏻) to restart will not make the settings take effect. In this case, use the main power switch to switch the power off and then on.

# HOME SCREEN









The home screen is the first screen to be displayed. Touch an icon to display the corresponding screen. When the  button is touched on the operation panel, this home screen is displayed.

\* The actual screen displayed may vary depending on the model or how the machine has been customized.



## OPERATING THE TOUCH PANEL

In addition to the conventional "single tap" operation, you can also operate the touch panel using presses, flicks, and slides.

|   |   |  |  |   |  |  |   |
|---|---|--|--|---|--|--|---|
| <p><b>Tap</b></p>    | <p>Touch and then quickly release the finger.<br/>Used to select keys, tabs, checkboxes, etc.</p> | <p><b>Double tap</b></p>  | <p>Touch the screen twice.<br/>Use this operation to enlarge or reduce the image in the preview.</p> | <p><b>Drag</b></p>   | <p>Drag (slide the finger in the desired direction) to rotate or delete original pages displayed as a preview.</p> | <p><b>Pinch</b></p>   | <p>Touch the screen with two fingers and move them toward each other.<br/>This is used to reduce the browser and preview display.</p>     |
| <p><b>Press</b></p>  | <p>Touch a key and keep the finger on the key for a short time.</p>                               | <p><b>Flick</b></p>       | <p>Flick (quickly swipe with the finger) to scroll the preview image.</p>                            | <p><b>Slide</b></p>  | <p>Slide the finger on the scroll bar to move up or down through a long list.</p>                                  | <p><b>Spread</b></p>  | <p>Touch the screen with two fingers and move them away from each other.<br/>This is used to enlarge the browser and preview display.</p> |

# OVERVIEW OF COPY OPERATION

Step 1 Select a function

Step 2 Place the original

Step 3 Scan

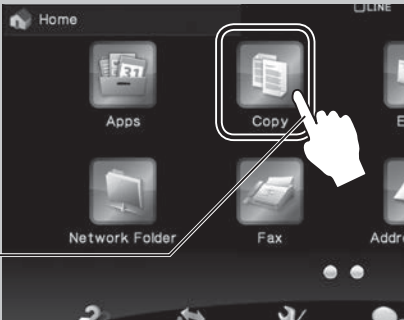
Step 4 Confirming while viewing the preview

Step 5 Start

Select the [Copy] key or Copy icon.

Confirm the results of the scan and any edits or settings.

Enter the number of prints and start printing.



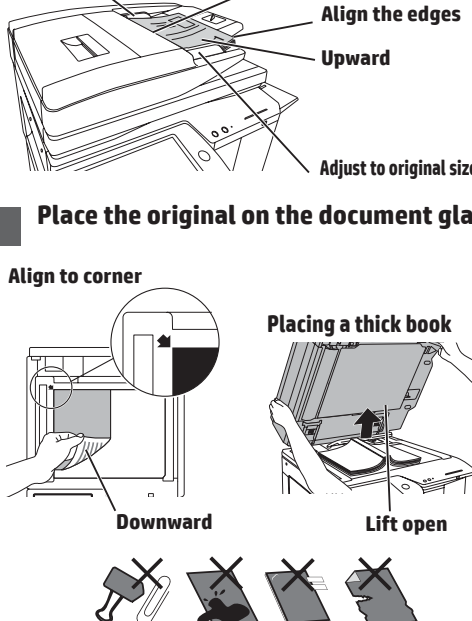
Tap

**Place the original in the automatic document feeder**


- Do not pass this line
- Insert all the way
- Align the edges
- Upward
- Adjust to original size

**Place the original on the document glass**

- Align to corner
- Placing a thick book
- Downward
- Lift open

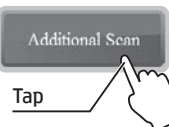


**Scan the original**




Tap

Scan another original



Tap

Print 1 set of copies

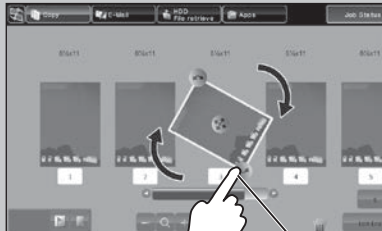


Tap

**Confirmation**  
Face up/down, orientation, missing pages, folded pages

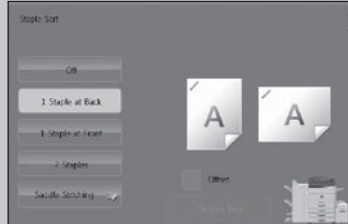



**Editing** Page editing, deleting, etc.



Drag

**Output settings**

Tap

**Print**

**Document filing**

The scanned original and the settings are saved on the hard disk and can be used again.

# OVERVIEW OF OTHER OPERATIONS

For functions other than copy.

Step 1 Select a function

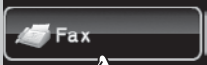
Step 2 Place the original

Step 3 Select the address

Step 4 Confirmation


Step 5 Start

**Fax**



Tap

**E-mail**



Tap

**HDD file retrieve**



Tap

**Place the original in the automatic document feeder**

Do not pass this line

Insert all the way

Align the edges

Upward

Adjust to original size

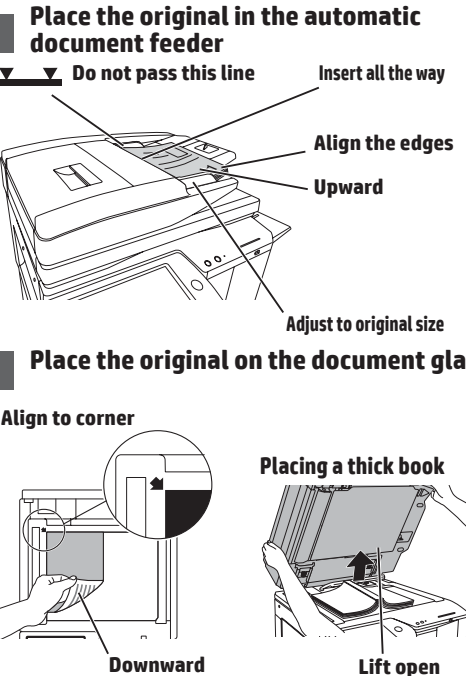
**Place the original on the document glass**

Align to corner

Downward

Placing a thick book


Lift open



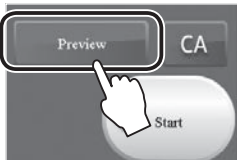
**Select the address**



**Select the folder**



**Scan the original**




**Confirmation**

Face up/down

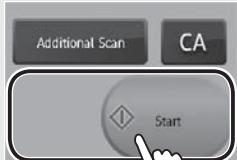
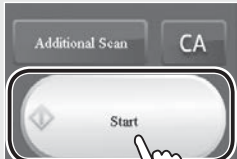
Orientation

Missing pages

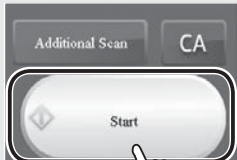
Folded pages



**Transmission**

**Storing**



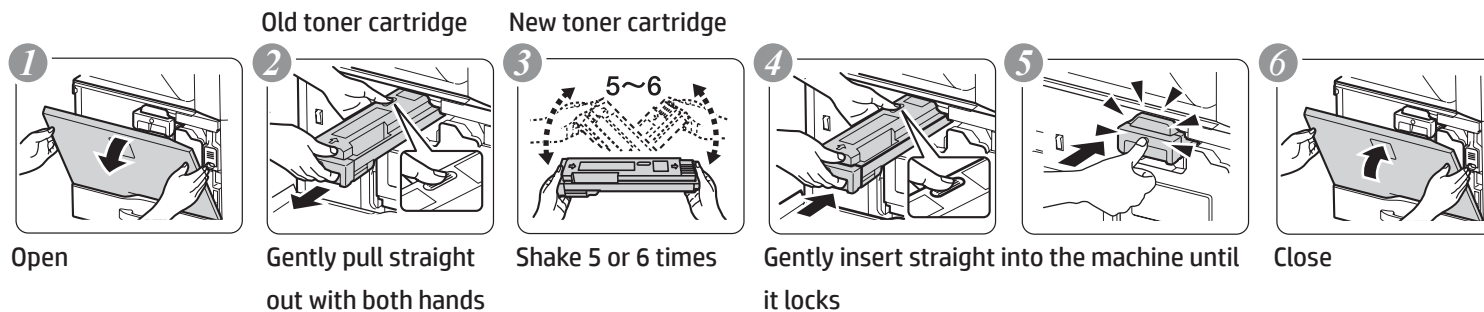
Scan and store the file

## Replacing a toner cartridge

When toner is running low, the message "Toner Low (Do not replace cartridge until requested)" appears. When this message appears, prepare a toner cartridge for replacement.

When the amount of toner decreases further, the message "Ready to scan for copy. (Change the toner cartridge.)" appears. When this message appears, replace the toner cartridge.

When the toner runs out, printing is stopped and the message "Change the toner cartridge." appears.



### Caution

- Do not throw toner cartridges into a fire. Toner may fly and cause burns.
- Store toner cartridges out of the reach of small children.
- Store the toner in a location that is cooler than 104°F (40°C). Storage in a hot location may cause the toner in the cartridge to solidify.
- Always store toner cartridges on their sides. If toner cartridges are stored on end, the toner may harden and become unusable.
- Please use HP-recommended toner cartridges. If toner cartridges other than HP-recommended toner cartridges are used, the machine may not attain full quality and performance and there is a risk of damage to the machine.

- NOTE:**
- Do not dispose of used toner cartridges. HP encourages customers to recycle used toner supplies.
  - To view the approximate amount of toner remaining, continually touch the [Home Screen] key during printing or when the machine is idle. The percentage of toner remaining will appear in the display while the key is touched.
  - Depending on your conditions of use, the image may become faint or the image blurred.

## Removing misfeeds

When a paper misfeed occurs, the message "A misfeed has occurred." will appear in the touch panel and printing and scanning will stop.

In this event, touch the [Check how to remove misfeeds] key in the touch panel.

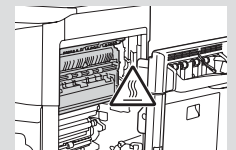
When the key is touched, instructions for removing the misfeed will appear. Follow the instructions.

When the misfeed is cleared, the message will automatically clear.



### Caution

- The fusing unit and the output unit are hot.
- Take care not to touch the fusing unit when removing a misfeed.
- There is a risk of burning.



# SPECIFICATIONS

## Basic / Copier

|   |   |                        |                |
|---|---|------------------------|----------------|
| Name  | HP MFP S956dn (F1J63A)  |                        |                |
| Type  | Desktop   |                        |                |
| Color   | Monochrome  |                        |                |
| Copier system   | Laser electrostatic copier  |                        |                |
| Scanning resolution   | 600 × 600 dpi, 600 × 400 dpi, 600 × 300 dpi<br>Print: 600 × 600 dpi, equivalent to 9,600 dpi × 600 dpi, 1,200 × 1,200 dpi   |                        |                |
| Gradation   | Scan: equivalent to 256 levels / Print: equivalent to 256 levels  |                        |                |
| Original paper sizes  | Max. 11" x 17" (A3) for sheets and bound documents  |                        |                |
| Copy sizes  | <p>12" × 18" (A3 wide) to 5-1/2" × 8-1/2"R (A5R), Transparency film, Heavy paper, Envelopes<br/>           Tray 1-4*: 11" × 17", 8-1/2" × 14", 8-1/2" × 13-1/2", 8-1/2" × 13-2/5",<br/>           8-1/2" × 13", 8-1/2" × 11", 8-1/2" × 11"R, 7-1/4 × 10-1/2"R,<br/>           5-1/2" × 8-1/2"R, A3, B4, A4, A4R, B5, B5R, A5R<br/>           Multi-bypass tray: 12" × 18" (A3 wide) to 5-1/2" × 8-1/2"R (A5R), Transparency film, Heavy paper, Envelopes, Long size paper<br/>           Lost margin (leading edge): 11/64" (4 mm) ± 3/64" (± 1 mm)<br/>           Lost margin (trailing edge): 6/64" (2 mm) - 13/64" (- 5 mm)<br/>           Leading edge / trailing edge: total 21/64" (8 mm) or less<br/>           Near edge / far edge: total 11/64" (4 mm) ± 6/64" (± 2 mm) or less<br/>           * When the Stand/500&amp;2000 sheet paper tray is installed, only 8-1/2" × 11"(A4) can be used in trays 3 and 4.</p> |                        |                |
| Warm-up time  | 12 seconds<br>● This may vary depending on the ambient conditions.  |                        |                |
| First-copy time   | 3.7 seconds<br>● This may vary depending on the state of the machine.<br>* Portrait feeding of 8-1/2" × 11" (A4) sheets.  |                        |                |
| Continuous copying speeds* (when shifter is not in operation) | 8-1/2" × 11", A4  | 7-1/4" × 10-1/2", B5   | 56 copies/min. |
|   | 8-1/2" × 11"R, A4R  | 7-1/4" × 10-1/2"R, B5R | 35 copies/min. |
|   | 8-1/2" × 14", B4  |                        | 30 copies/min. |
|   | 11" × 17", A3   |                        | 26 copies/min. |
|   | * Continuous speed for same original source. Output may be temporarily interrupted to stabilize image quality.  |                        |                |

|                                 |  |  |
|---------------------------------|--|--|
| Copy ratios                     | Same size: 1:1 ± 0.8 %    Enlarge: 121 %, 129 %, 200 %, 400 %<br>Reduce: 25 %, 50 %, 64 %, 77 %, 100 %<br>Zoom range: 25 to 400 % (25 - 200 % using DSPF) in 1 % increments, total 376 increments. Can calculate zoom rate when mm is specified. |  |
| Paper feed / capacity           | 500 sheets in 1 tray plus 100-sheet multi-bypass tray<br>● Using 21 lbs. bond (80 g/m <sup>2</sup> ) weight paper  |  |
| Max. paper feed / max. capacity | 6,600 sheets in 4 trays (500 × 2 + 1,150 + 850) plus 100-sheet multi-bypass tray plus 3,500 sheets in large capacity tray<br>● Using 21 lbs. bond (80 g/m <sup>2</sup> ) weight paper  |  |
| Continuous copy                 | Max. 999 copies  |  |
| Memory                          | Standard: 3 GB    HDD: 320 GB<br>● 1 GB = One billion bytes when referring to hard drive capacity. Actual format capacity is less.   |  |
| Ambient environment             | Operating environment  | 54 °F (10 °C) to 91 °F (35 °C) (20 % to 85 % RH) 590 - 1,013 hpa |
|                                 | Standard environment   | 68 °F (20 °C) to 77 °F (25 °C) (65 ± 5 % RH)                     |
| Required power supply           | AC 120V ±10% 60Hz<br>Power consumption    Max. 1.84 kW (including options)   |  |
| Dimensions                      | 24-11/32" (W) × 28-5/64" (D) × 33-13/64" (H)<br>(618 mm (W) × 713 mm (D) × 843 mm (H))   |  |
| Weight                          | Approx. 172 lbs. (78 kg)   |  |
| Overall dimensions              | With multi-bypass tray extended  | 36-27/64" (W) × 28-5/64" (D) (925 mm (W) × 713 mm (D))           |
|                                 | With right side exit tray extended   | 39-3/16" (W) × 28-5/64" (D) (995 mm (W) × 713 mm (D))            |



## Automatic Document Feeder (standard equipment)

|                        |   |
|------------------------|---|
| Document feeder types  | Duplex Single Pass Feeder (DSPF)  |
| Original paper sizes   | 11" × 17" (A3) to 5-1/2" × 8-1/2" (A5)  |
| Original paper types   | Paper weight  |
|                        | Thin paper 9 lbs. (35 g/m <sup>2</sup> ) to 13 lbs. (49 g/m <sup>2</sup> )<br>Plain paper 13 lbs. (50 g/m <sup>2</sup> ) to 34 lbs. (128 g/m <sup>2</sup> ) |
|                        | Two-sided   |
|                        | 13 lbs. (50 g/m <sup>2</sup> ) to 34 lbs. (128 g/m <sup>2</sup> )   |
| Paper storage capacity | 150 sheets (21 lbs. (80 g/m <sup>2</sup> ))<br>(or maximum stack height of 50/64" (19.5 mm))  |
| Scan speed (copy)      | 85 sheets/minute (600 × 300 dpi)<br>● When scanning one-sided, 8-1/2" × 11" (A4) vertical documents   |

## Tray 2 / 3 / 4 / 5

| Name           | Tray 2<br>(F2A22A)*1   | Tray 2/3<br>(F2A23A)*2     | Tray 2/3/4<br>(F2A24A)*3   | Tray 5<br>(F1Z74A)*4  |
|----------------|--|----------------------------|----------------------------|---|
| Paper sizes    | 11" × 17" (A3) to 5-1/2" × 8-1/2"R (A5R)   |                            |                            | 8-1/2" × 11" (A4)   |
| Usable paper   | 16 lbs. bond (60 g/m <sup>2</sup> ) to 110 lbs. index (220 g/m <sup>2</sup> )          |                            |                            | 16 lbs. bond (60 g/m <sup>2</sup> ) to<br>28 lbs. bond (105 g/m <sup>2</sup> )                |
| Paper capacity | 500 sheets   | 1,000<br>(500 × 2)         | 1,500<br>(500 × 3)         | 3,500   |
| Dimensions     | 22-61/64" (W) × 22-46/64" (D) × 15-3/64" (H)<br>(583 mm (W) × 577 mm (D) × 382 mm (H)) |                            |                            | 14-53/64" (W) × 20-19/32"<br>(D) × 22-41/64" (H)<br>(376 mm (W) × 523 mm (D) ×<br>575 mm (H)) |
| Weight         | Approx. 46 lbs.<br>(21 kg)   | Approx. 51 lbs.<br>(23 kg) | Approx. 62 lbs.<br>(28 kg) | Approx. 66 lbs.<br>(30 kg)  |

\*1: Stand/500 sheet paper tray (F2A22A)

\*2: Stand/2x500 sheet paper tray (F2A23A)

\*3: Stand/3x500 sheet paper tray (F2A24A)

\*4: Large capacity tray (F1Z74A)

## Stand / 500 and 2,000-sheet paper tray (Tray 2 / 3 / 4)

|                |  |
|----------------|--|
| Name           | Stand / 500 & 2,000-sheet paper tray (F2A25A)  |
| Paper sizes    | Tray 2: 11" × 17" (A3) to 5-1/2" × 8-1/2"R (A5R)<br>Tray 3/4: 8-1/2" × 11" (A4)  |
| Usable paper   | Tray 2: 16 lbs. bond (60 g/m <sup>2</sup> ) to 110 lbs. index (220 g/m <sup>2</sup> )<br>Tray 3/4: 16 lbs. bond (60 g/m <sup>2</sup> ) to 28 lbs. bond (105 g/m <sup>2</sup> ) |
| Paper capacity | Tray 2: 500<br>Tray 3: 1,150<br>Tray 4: 850  |
| Dimensions     | 22-61/64" (W) × 22-23/32" (D) × 15-3/64" (H)<br>(583 mm (W) × 577 mm (D) × 382 mm (H))   |
| Weight         | Approx. 66.2 lbs. (30 kg)  |

# SPECIFICATIONS

## Internal Finisher

|  |   |  |
|--|---|--|
| Name   | Internal Finisher (F2A29A)  |  |
| Paper sizes  | Depends on feeder specifications  |  |
| Usable paper   | Paper weight  | 13 lbs. bond (55 g/m <sup>2</sup> ) to 110 lbs. Cover (300 g/m <sup>2</sup> )  |
| No. of trays   | 1   |  |
| Tray capacity<br>(21 lbs. (80g/m <sup>2</sup> ))               | Non-stapled   | 12" × 18" (A3 wide) / 11" × 17" (A3) /<br>8-1/2" × 14" (B4): 250 sheets<br>8-1/2" × 11" (A4) / 8-1/2" × 11"R (A4R, B5) /<br>7-1/4" × 10-1/2"R (B5R) / 5-1/2" × 8-1/2"R (A5R):<br>500 sheets  |
|  | Staple function   | 11" × 17" (A3) / 8-1/2" × 14" (B4): 30 units or 250 sheets<br>8-1/2" × 11" (A4) / 8-1/2" × 11"R (A4R, B5) /<br>30 units or 500 sheets<br><br>● Offset output is not available for 12" × 18" (A3 wide) /<br>7-1/4" × 10-1/2"R (B5R) / 5-1/2" × 8-1/2"R (A5R). |
| Max. no. of stapled sheets<br>(24 lbs. (90 g/m <sup>2</sup> )) | Max. no. of 50 sheets (8-1/2" × 11" (A4), 8-1/2" × 11"R (A4R, B5))  | Max. no. of 30 sheets (11" × 17" (A3), 8-1/2" × 14" (B4))  |
| Staple position  | 1 bottom, 1 top, 2 middle   |  |
| Required power supply  | Supplied from this machine  |  |
| Weight   | Approx. 26.5 lbs. (12 kg)   |  |
| Dimensions   | When output paper tray is stored<br>16-55/64" (W) × 23-11/32" (D) × 7-51/64" (H)<br>(428 mm (W) × 593 mm (D) × 198 mm (H))  |  |
|  | When output paper tray is extended<br>24-3/32" (W) × 23-11/32" (D) × 7-51/64" (H)<br>(612 mm (W) × 593 mm (D) × 198 mm (H)) |  |

## Saddle-stitch Finisher 4,000-sheet

|  |  |   |
|--|--|---|
| Name   | Saddle-stitch Finisher 4,000-sheet (F1Z79A)  |   |
| Paper sizes  | Depends on feeder specifications   |   |
| Usable paper   | Paper weight   | 13 lbs. bond (55 g/m <sup>2</sup> ) to 110 lbs. Cover (300 g/m <sup>2</sup> )   |
| No. of trays   | 2 (Upper tray / Lower tray) + Saddle stitch tray   |   |
| Tray capacity<br>(21 lbs. (80 g/m <sup>2</sup> ))              | Upper tray   |   |
|  | Non-stapled  | 12" × 18" (A3 wide) / 11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R) / 7-1/4" × 10-1/2"R (B5R): 650 sheets<br>5-1/2" × 8-1/2"R (A5R): 8-1/2" × 11" (A4) / B5: 1,550 sheets                      |
| Tray capacity<br>(21 lbs. (80 g/m <sup>2</sup> ))              | Staple function  | 8-1/2" × 11" (A4) / B5: 100 units or 1,550 sheets<br>11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R):<br>50 units or 650 sheets  |
|  | Lower tray   |   |
| Tray capacity<br>(21 lbs. (80 g/m <sup>2</sup> ))              | Non-stapled  | 12" × 18" (A3 wide) / 11" × 17" (A3) / 8-1/2" × 14" (B4) /<br>8-1/2" × 11"R (A4R) / 7-1/4" × 10-1/2"R (B5R): 650 sheets<br>8-1/2" × 11" (A4) / B5: 2,450 sheets<br>5-1/2" × 8-1/2"R (A5R): 1,700 sheets   |
|  | Staple function  | 8-1/2" × 11" (A4) / B5: 100 units or 1,550 sheets<br>11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R):<br>50 units or 650 sheets  |
| Tray capacity<br>(21 lbs. (80 g/m <sup>2</sup> ))              | Saddle stitch tray   | 10 units (11 to 15 sheets), 15 units (6 to 10 sheets),<br>25 units (1 to 5 sheets)<br><br>● Offset output is not available for 12" × 18" (A3 wide) / 7-1/4" × 10-1/2"R (B5R) /<br>5-1/2" × 8-1/2"R (A5R). |
|  | Required power supply  | Supplied from this machine  |
| Weight   | Approx. 160.9 lbs. (73 kg)   |   |
| Dimensions   | When output paper tray is stored<br>24-39/64" (W) × 25-1/4" (D) × 43-19/64" (H)<br>(640 mm (W) × 641.5 mm (D) × 1100 mm (H))   |   |
|  | When output paper tray is extended<br>29-1/32" (W) × 25-1/4" (D) × 43-19/64" (H)<br>(753 mm (W) × 641.5 mm (D) × 1100 mm (H))  |   |
| Max. no. of stapled sheets<br>(24 lbs. (90 g/m <sup>2</sup> )) | Max. no. of 50 sheets (8-1/2" × 11" (A4), B5)  | Max. no. of 30 sheets (11" × 17" (A3), 8-1/2" × 14" (B4), 8-1/2" × 11"R (A4R))  |
| Staple position  | 1 bottom, 1 top, 2 middle  |   |
| Staple method (for saddle stitch)                              | Centered fold with stapling in 2 center places   |   |
| Saddle stitch fold position                                    | Centered fold  |   |
| Saddle usable sizes  | 11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R) / 12" × 18" (A3 wide)<br>16 lbs. (60 g/m <sup>2</sup> ) to 80 lbs. Cover (220 g/m <sup>2</sup> )  |   |
| Saddle usable paper weight                                     | Paper weighting 28 lbs. (106 g/m <sup>2</sup> ) to 80 lbs. Cover (220 g/m <sup>2</sup> ) is only able to be used<br>in cover mode and for single sheet fold.   |   |
| Max. no. of saddle-stitched sheets                             | Max. no. of 15 sheets (21 lbs. (80 g/m <sup>2</sup> )):  |   |
|  | 14 sheets (21 lbs. (80 g/m <sup>2</sup> )) + 1 sheet (80 lbs. Cover (220 g/m <sup>2</sup> ))<br>Max. no. of 10 sheets (24 lbs. (90 g/m <sup>2</sup> )):<br>9 sheets (24 lbs. (90 g/m <sup>2</sup> )) + 1 sheet (80 lbs. Cover (220 g/m <sup>2</sup> )) |   |

## Saddle-stitch Finisher 1,000-sheet

|   |   |  |
|---|---|--|
| Name  | Saddle-stitch Finisher 1,000-sheet (F1Z78A)   |  |
| Paper sizes   | Depends on feeder specifications  |  |
| Usable paper  | Paper weight  | 13 lbs. bond (55 g/m <sup>2</sup> ) to 110 lbs. Cover (300 g/m <sup>2</sup> )  |
| No. of trays  | 2 (Upper tray / Lower tray)   |  |
| Tray capacity (21 lbs. (80 g/m <sup>2</sup> ))              | Upper tray  |  |
|   | Non-stapled   | 12" × 18" (A3 wide) / 11" × 17" (A3) / 8-1/2" × 14" (B4) / 5-1/2" × 8-1/2"R (A5R): 500 sheets<br>8-1/2" × 11" (A4) / 8-1/2" × 11"R (A4R, B5) / 7-1/4" × 10-1/2"R (B5R): 1,000 sheets   |
|   | Staple function   | 11" × 17" (A3) / 8-1/2" × 14" (B4): 50 units or 500 sheets<br>8-1/2" × 11" (A4) / 8-1/2" × 11"R (A4R, B5, B5R): 50 units or 1,000 sheets (For 8-1/2" × 11" (A4, B5), 50 sets only when stapled in a single location on the far side) |
|   | Lower tray  | 10 units (11 to 15 sheets), 15 units (6 to 10 sheets), 20 units (1 to 5 sheets)<br>● Offset output is not available for 12" × 18" (A3 wide) / 5-1/2" × 8-1/2"R (A5R).  |
| Required power supply                                       | Supplied from this machine  |  |
| Weight  | Approx. 88.2 lbs. (40 kg)   |  |
| Dimensions  | When output paper tray is stored<br>19-9/16" (W) × 24-27/32" (D) × 38-57/64" (H)<br>(497 mm (W) × 631 mm (D) × 988 mm (H))                                |  |
|   | When output paper tray is extended<br>25-53/64" (W) × 24-27/32" (D) × 38-57/64" (H)<br>(656 mm (W) × 631 mm (D) × 988 mm (H))                             |  |
| Max. no. of stapled sheets (24 lbs. (90 g/m <sup>2</sup> )) | Max. no. of 50 sheets (8-1/2" × 11" (A4), 8-1/2" × 11"R (A4R, B5, B5R))<br>Max. no. of 25 sheets (11" × 17" (A3), 8-1/2" × 14" (B4))                      |  |
| Staple position   | 1 bottom, 1 top, 2 middle   |  |
| Staple method (for saddle stitch)                           | Centered fold with stapling in 2 center places  |  |
| Saddle stitch fold position                                 | Centered fold   |  |
| Saddle usable sizes   | 11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R)<br>16 lbs. (60 g/m <sup>2</sup> ) to 80 lbs. Cover (220 g/m <sup>2</sup> )                       |  |
| Saddle usable paper weight                                  | Paper weighting 28 lbs. (106 g/m <sup>2</sup> ) to 80 lbs. Cover (220 g/m <sup>2</sup> ) is only able to be used in cover mode and for single sheet fold. |  |
| Max. no. of saddle-stitched sheets                          | Max. no. of 15 sheets (21 lbs. (80 g/m <sup>2</sup> )):   |  |
|   | 14 sheets (21 lbs. (80 g/m <sup>2</sup> )) + 1 sheet (80 lbs. Cover (220 g/m <sup>2</sup> ))  |  |
|   | Max. no. of 10 sheets (24 lbs. (90 g/m <sup>2</sup> )):<br>9 sheets (24 lbs. (90 g/m <sup>2</sup> )) + 1 sheet (80 lbs. Cover (220 g/m <sup>2</sup> ))    |  |

## Stapler / Stacker 4,000-sheet

|   |  |   |
|---|--|---|
| Name  | Stapler / Stacker 4,000-sheet (F1Z80A)   |   |
| Paper sizes   | Depends on feeder specifications   |   |
| Usable paper  | Paper weight   | 13 lbs. bond (55 g/m <sup>2</sup> ) to 110 lbs. Cover (300 g/m <sup>2</sup> )   |
| No. of trays  | 2 (Upper tray / Lower tray)  |   |
| Tray capacity (21 lbs. bond (80g/m <sup>2</sup> ))          | Upper tray   |   |
|   | Non-stapled  | 12" × 18" (A3 wide) / 11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R) / 7-1/4" × 10-1/2"R (B5R): 650 sheets<br>5-1/2" × 8-1/2"R (A5R): 8-1/2" × 11" (A4) / B5: 1,550 sheets                                |
|   | Staple function  | 8-1/2" × 11" (A4) / B5: 100 units or 1,550 sheets<br>11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R): 50 units or 650 sheets   |
|   | Lower tray   | Non-stapled<br>12" × 18" (A3 wide) / 11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R) / 7-1/4" × 10-1/2"R (B5R): 650 sheets<br>8-1/2" × 11" (A4) / B5: 2,450 sheets<br>5-1/2" × 8-1/2"R (A5R): 1,700 sheets |
| Dimensions  | Staple function<br>8-1/2" × 11" (A4) / B5: 100 units or 1,550 sheets<br>11" × 17" (A3) / 8-1/2" × 14" (B4) / 8-1/2" × 11"R (A4R): 50 units or 650 sheets<br>● Offset output is not available for 12" × 18" (A3 wide) / 7-1/4" × 10-1/2"R (B5R) / 5-1/2" × 8-1/2"R (A5R). |   |
|   | Required power supply<br>Supplied from this machine  |   |
| Weight  | Approx. 97 lbs. (44 kg)  |   |
| Dimensions  | When output paper tray is stored<br>20-9/32" (W) × 25-25/64" (D) × 43-19/64" (H)<br>(515 mm (W) × 645 mm (D) × 1100 mm (H))  |   |
|   | When output paper tray is extended<br>25-25/64" (W) × 25-25/64" (D) × 43-19/64" (H)<br>(645 mm (W) × 645 mm (D) × 1100 mm (H))   |   |
| Max. no. of stapled sheets (24 lbs. (90 g/m <sup>2</sup> )) | Max. no. of 50 sheets (8-1/2" × 11" (A4), B5)<br>Max. no. of 30 sheets (11" × 17" (A3), 8-1/2" × 14" (B4), 8-1/2" × 11"R (A4R))  |   |
| Staple position   | 1 bottom, 1 top, 2 middle  |   |

# SPECIFICATIONS

## Punch Module (for Finisher)

|                             |   |  |
|-----------------------------|---|--|
| Name                        | Punch module for F2A29A                     | Punch module for F1Z80A                |
|                             | F2A38A 2 hole                               | F2A42A 2 hole                          |
|                             | F2A39A 3 hole                               | F2A43A 3 hole                          |
|                             | F2A40A 4 hole                               | F2A44A 4 hole                          |
|                             | F2A41A 4 hole wide                          | F2A45A 4 hole wide                     |
| Paper size for punch module | 11" × 17" (A3) to 7-1/4" × 10-1/2"R (B5R)   |  |
| Holes                       | 2 hole, 3 hole, 4 hole, and 4 hole wide     |  |
| Required power supply       | Supplied from Finisher                      |  |
| Dimensions                  | 3-55/64" (W) × 18-25/32" (D) × 5-13/32" (H) | 4-39/64" (W) × 24 (D) × 39-13/16" (H)  |
|                             | (98 mm (W) × 477 mm (D) × 137 mm (H))       | (115 mm (W) × 600 mm (D) × 995 mm (H)) |
| Weight                      | Approx. 6.6 lbs. (3 kg)                     | Approx. 17.6 lbs. (8 kg)               |

## Punch Module (for Saddle-Stitch Finisher)

|                             |  |   |
|-----------------------------|--|---|
| Name                        | Punch module for F1Z79A                    | Punch module for F1Z78A                     |
|                             | F2A42A 2 hole                              | F2A34A 2 hole                               |
|                             | F2A43A 3 hole                              | F2A35A 3 hole                               |
|                             | F2A44A 4 hole                              | F2A36A 4 hole                               |
|                             | F2A45A 4 hole wide                         | F2A37A 4 hole wide                          |
| Paper size for punch module | 11" × 17" (A3) to 8-1/2" × 11" (A4)        |   |
| Holes                       | 2 hole, 3 hole, 4 hole, and 4 hole wide    |   |
| Required power supply       | Supplied from saddle finisher              |   |
| Dimensions                  | 4-17/32" (W) × 23-5/8" (D) × 39-11/64" (H) | 4-13/16" (W) × 23-25/32" (D) × 9-49/64" (H) |
|                             | (115 mm (W) × 600 mm (D) × 995 mm (H))     | (122 mm (W) × 604 mm (D) × 248 mm (H))      |
| Weight                      | Approx. 17.6 lbs. (8 kg)                   | Approx. 7.7 lbs. (3.5 kg or less)           |

## Fax

|                                       |  |  |
|---------------------------------------|--|--|
| Name                                  | Fax Expansion kit (F2A55A)   |  |
| Usable lines                          | General phone lines (PSTN), private branch exchange (PBX)  |  |
| Connection speed                      | Super G3: 33.6 kbps, G3: 14.4 kbps   |  |
| Coding method                         | MH, MR, MMR, JBIG  |  |
| Connection mode                       | Super G3 / G3  |  |
| Original paper sizes for transmission | 11" × 17" (A3) to 5-1/2" × 8-1/2" (A5) (Paper with a max. length of 1,000 mm can be transmitted (one-sided only).) |  |
| Registered paper size                 | 11" × 17" (A3) to 5-1/2" × 8-1/2" (A5)   |  |
| Transmission time                     | Approx. 2 seconds *1 (8-1/2" × 11" (A4) HP standard paper, normal characters, Super G3 (JBIG))                     |  |
|                                       | Approx. 6 seconds (G3 ECM)   |  |
| Memory                                | 1 GB   |  |
|                                       | Touch dial memory  | Max. of 2,000 entries (Including group dialing for fax, scanner, and Internet fax) |
| Notes                                 | Entries per group  | Max. of 500 entries  |
|                                       | Mass transmissions   | Max. of 500 recipients   |

\*1 Complies with the 33.6 kbps transmission method for Super G3 facsimiles standardized by the International Telecommunications Union (ITU-T). This is the speed for when sending an 8-1/2" × 11" (A4) size piece of paper of around 700 characters at standard image quality (8 × 3.85 chars/mm) in Hi-speed mode (33.6 kbps). This is the transmission speed for image information only and does not include time for transmission control. The actual time needed for a transmission depends on the content of the text, type of receiving fax machine, and telephone line conditions.

## Network Printer

|                           |  |
|---------------------------|--|
| Type                      | Built-in type  |
| Continuous print speed    | Same as continuous copy speed  |
| Resolution                | Data processing: 600 × 600 dpi, 1,200 × 1,200 dpi  |
|                           | Print: 600 × 600 dpi, equivalent to 9,600 dpi × 600 dpi, 1,200 × 1,200 dpi                                     |
| Page description language | Standard: PCL6 emulation, Adobe® PostScript®3™   |
| Compatible protocols      | TCP/IP (IPv4/IPv6), IPX/SPX, IPP, EtherTalk  |
| Compatible OS             | Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7, Windows 8, Windows Server 2012 |
|                           | Macintosh (Mac OS X 10.4, 10.5, 10.6, 10.7, 10.8)*   |
| Internal fonts            | 80 fonts for PCL, 136 fonts for Adobe® PostScript®3™   |
| Memory                    | Machine system memory and hard disk  |
| Interface                 | 10BASE-T/100BASE-TX/1000BASE-T, USB 2.0 (high speed mode)  |

## Network Scanner

|                                   |  |   |
|-----------------------------------|--|---|
| Type                              | Color scanner  |   |
| Scan resolution (main × vertical) | 100 × 100 dpi, 150 × 150 dpi, 200 × 200 dpi, 300 × 300 dpi,<br>400 × 400 dpi, 600 × 600 dpi (push scan)<br>50 to 9,600 dpi *1 (pull scan)  |   |
| Scan speed<br>(8-1/2" × 11" (A4)) | B/W:   | Duplex Single Pass Feeder (DSPF)<br>85 sheets/minute (200 × 200 dpi) (one-sided)  |
|                                   | Color:   | 85 sheets/minute (200 × 200 dpi) (one-sided)<br>● When in standard mode using HP standard paper (8-1/2" × 11" (A4) size with 6% coverage) and the auto color detector is turned off. The speed varies depending on the data volume of the original. |
| Interface                         | 10BASE-T/100BASE-TX/1000BASE-T,<br>USB 2.0 (when an external memory device is used)  |   |
| Compatible protocols              | TCP/IP (IPv4)  |   |
| Compatible OS *2                  | Pull scan (TWAIN)  | Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7, Windows 8, Windows Server 2012  |
| Output format                     | (B/W)<br>TIFF, PDF, PDF/A, encrypted PDF, XPS<br>Compression method: decompression, G3 (MH), G4 (MMR)<br>(Gray scale/color)<br>TIFF, JPEG, PDF, PDF/A, encrypted PDF, high compression PDF*4, XPS*3<br>Compression method: JPEG (high, mid, and low compression) |   |
| Driver                            | TWAIN compliant  |   |

\*1: You must decrease the scan size when increasing the resolution.

\*2: There are cases when a connection cannot be established.  
Please contact your HP or 3rd party service and support representative.

\*3: XPS stands for XML Paper Specification.

## Wireless LAN

|  |   |
|--|---|
| Type   | Built-in type   |
| Compliance standards                         | IEEE802.11n/g/b   |
| Transmission method                          | OFDM (IEEE 802.11n/g), DS-SS (IEEE 802.11b)                                       |
| Frequency band / channels                    | IEEE802.11n/g/b: 2.4 GHz (1 - 11 ch)  |
| Transmission speed<br>(value of standard) *1 | IEEE802.11n max. 150 Mbps<br>IEEE802.11g max. 54 Mbps<br>IEEE802.11b max. 11 Mbps |
| Security                                     | WEP, WPA Personal, WPA Enterprise*2, WPA2 Personal, WPA2 Enterprise*2             |

\*1: The indicated values are maximum theoretical values for the Wireless LAN Standard. The values do not indicate actual data transmission speeds.

\*2: Cannot be used in Access Point mode.

# SUPPLIES

Standard supplies for this product that can be replaced by the user include paper, toner cartridges, and staple cartridges for the finisher.

Be sure to use only HP-compatible products for the toner cartridges, finisher staple cartridge, and transparency film.



For best copying results, be sure to use only HP Supplies which are designed, engineered, and tested to maximize the life and performance of HP products. Look for the Supplies label on the toner package.

## Storage of supplies

### ■ Proper storage

1. Store the supplies in a location that is:
  - clean and dry,
  - at a stable temperature,
  - not exposed to direct sunlight.
2. Store paper in the wrapper and lying flat.
3. Paper stored in packages standing up or out of the wrapper may curl or become damp, resulting in paper misfeeds.

### ■ Storing toner cartridges

Store a new toner cartridge box horizontally with the top side up. Do not store a toner cartridge standing on end. If stored standing on end, the toner may not distribute well even after shaking the cartridge vigorously, and will remain inside the cartridge without flowing out.

### ■ Staple cartridge

The finisher and saddle finisher require the following staple cartridge:

F5A43A (for finisher and saddle finisher)

Approx. 5000 per cartridge x 3 cartridges

F5A45A (for finisher (large stacker) and saddle stitch finisher (large stacker))

Approx. 5000 per cartridge x 3 cartridges

F5A46A (for saddle stitch of saddle stitch finisher and saddle stitch finisher (large stacker))

Approx. 2000 per cartridge x 3 cartridges

## Supply of spare parts and consumables

The supply of spare parts for repair of the machine is guaranteed for at least 7 years following the termination of production. Spare parts are those parts of the machine which may break down within the scope of the ordinary use of the product, whereas those parts which normally exceed the life of the product are not to be considered as spare parts. Consumables too, are available for 7 years following the termination of production.

## Noise emission

### Noise emission values

The following shows noise emission values as measured according to ISO7779.

#### Sound power level $L_{WAd}$

|                                    | F1J63A |
|------------------------------------|--------|
| Operating<br>(continuous printing) | 7.7 B  |
| Standby<br>(low power level mode)  | -      |

#### Sound pressure level $L_{pAm}$

|                                    |                     | F1J63A |
|------------------------------------|---------------------|--------|
| Operating<br>(continuous printing) | Bystander positions | 60 B   |
| Standby<br>(low power level mode)  | Bystander positions | 18 B   |

- NOTE:**
- Operating: With options F2A24A, F2A33A, F1Z80A.
  - Standby: “-” = less than background noise.

# TO THE ADMINISTRATOR OF THE MACHINE

## Forwarding all transmitted and received data to the administrator (document administration function)

This function is used to forward all data transmitted and received by the machine to a specified destination (Scan to E-mail address, Scan to FTP destination, or Scan to Network Folder destination).

This function can be used by the administrator of the machine to archive all transmitted and received data.

To configure the document administration settings, click [Application Settings] and then [Document Administration Function] in the [Settings mode] (Administrator-level access privileges are required.)

- NOTE:**
- The format, exposure, and resolution settings of transmitted and received data remain in effect when the data is forwarded.
  - When forwarding is enabled for data sent in fax mode,
    - The [Direct TX] key does not appear in the touch panel.
    - Quick online transmission and dialing using the speaker cannot be used.

## Settings mode password

The administrator password is required to change the machine's settings mode.


Settings mode can be changed from either the operation panel or using a computer web browser. After setting up the machine, refer to [Settings mode] in the User's Manual to set a new password.

- NOTE:** The same passwords are used for logging in from the operation panel and from a web browser. If the administrator changes a password, that password will be effective when logging in from both the operational panel and a web browser.


## Password for logging in from a computer

There are three accounts that can log in from a web browser: "Administrator", "System Administrator" and "User". The factory default passwords for each account are shown on the below. Logging in as an "Administrator" or "System Administrator" will allow you to manage all the settings available via web browser.

(Cut along the dotted line and keep in a safe place.)



|                      | Account  | Password |
|----------------------|----------|----------|
| User                 | users    | users    |
| Administrator        | admin    | admin    |
| System Administrator | sysadmin | sysadmin |



- NOTE:** Please take care not to forget newly set administrator passwords.



