# Model No.

# SP C231N/C232DN

# Information

## Introduction

This manual contains detailed instructions and notes on the operation and use of this machine. For your safety and benefit, read this manual carefully before using the machine. Keep this manual in a handy place for quick reference.

# **Important**

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Do not copy or print any item for which reproduction is prohibited by law.

Copying or printing the following items is generally prohibited by local law:

bank notes, revenue stamps, bonds, stock certificates, bank drafts, checks, passports, driver's licenses.

The preceding list is meant as a guide only and is not inclusive. We assume no responsibility for its completeness or accuracy. If you have any questions concerning the legality of copying or printing certain items, consult with your legal advisor.

## **Notes**

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

Depending on which country you are in, certain units may be optional. For details, please contact your local dealer.

# **Laser Safety:**

This equipment complies with requirements of IEC60825-1:2001 for class 1 laser products.

This equipment contains four AlGaAs laser diodes, 6.2 milliwatt, 770 - 795 nanometer wavelength for each emitter.

This equipment does not emit hazardous light, since the beam is totally enclosed during all customer modes of operation and maintenance.

Direct (or indirect reflected) eye contact with the laser beam might cause serious eye damage.

### **Caution:**

Use of controls or adjustments or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

For good print quality, the supplier recommends that you use genuine toner, maintenance kits and parts from the supplier.

The supplier shall not be responsible for any damage or expense that might result from the use of consumables (toner, maintenance kits and parts) other than genuine consumables from the supplier with your office products.

## **Power Source**

120 V, 60 Hz, 11 A or more

Please be sure to connect the power cable to a power source as above.

# **Safety Information**

When using your printer, the following safety precautions should always be followed.

In this manual, the following important symbols are used:

#### **!** WARNING:

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

## **CAUTION:**

Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

## **Environments Where the Machine Can be Used**

#### ⚠ WARNING:

Keep the machine away from flammable liquids, gases, and aerosols.
 A fire or an electric shock might occur.

#### **↑** CAUTION:

- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur. Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.
- Keep the machine in an area that is within optimum environmental conditions. Operating the machine in an environment that is outside the recommended ranges of humidity and temperature can cause an electrical fire hazard. Keep the area around the socket free of dust. Accumulated dust can become an electrical fire hazard.
- Make sure the room where you are using the machine is well ventilated and spacious. Good ventilation is especially important when the machine is used heavily.

## Note

☐ When you use this machine for a long time in a confined space without good ventilation, you may detect an odd smell. To keep the workplace comfortable, we recommend that you keep it well ventilated.

# **Handling Power Cords and Power Plugs**

#### **∴** WARNING:

- The supplied power cord is for use with this equipment only. Do not use with other appliances. Doing so may result in fire, electric shock, or injury.
- The wall outlet shall be installed near the machine and shall be easily accessible.
- Connect the machine to the power source specified in this manual and do not use any other power sources. Connect the power cord directly to a wall outlet and do not use an extension cord. Power sources not specified in this manual and extension cords are electric shock or fire hazards.
- Power cords that are damaged, broken, modified, trapped under heavy objects, pulled hard, or bent severely are electric shock and fire hazards.
- Plug and unplug the power cable with dry hands, or an electric shock could occur.

#### **A CAUTION:**

- When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).
- It is dangerous to handle the plug with wet hands. Doing this may result in receiving an electric shock.

# **Handling the Machine**

#### **⚠ WARNING:**

 Wait for 30 minutes or more after disconnecting the power plug before removing the transfer unit.

#### **∴** CAUTION:

- Before moving the machine, unplug the power cord from the wall outlet. If the cord is unplugged abruptly, it could become damaged. Damaged plugs or cords can cause an electrical or fire hazard.
- Unplug the power cord from the wall outlet before you move the machine.
  While moving the machine, you should take care that the power cord will not be damaged under the machine.
- Do not connect the Ethernet port of the machine to a network that may supply excess voltage, such as a telephone line. Doing so may result in fire or electric shock.
- The printer weighs approximately 23 kg (50.6 lb.). When moving the printer, use the inset grips on both sides, and lift slowly in pairs. The printer will break or cause injury if dropped.
- When moving the printer after use, do not take out any of the toners, nor the waste toner bottle to prevent toner spill inside the machine.
- When moving the printer, use the inset grips on both sides. The printer will break or cause injury if dropped.
- Be careful not to trap your fingers when opening or closing the top cover.

# **Handling the Machine's Interior**

#### **∴ WARNING:**

- Do not attempt any maintenance or troubleshooting other than that mentioned in this manual. This machine contains a laser beam generator and direct exposure to laser beams can cause permanent eye damage.
- Do not put your hands inside the printer when the input tray is removed. Some internal parts become hot and are a burn hazard.

#### **A CAUTION:**

- The inside of this printer becomes very hot. Do not touch parts labelled "\(\triangle \)" (indicating a hot surface).
- The fusing section of this machine might be very hot. Caution should be taken when removing misfed paper.
- Lifting the paper feed unit carelessly or dropping it may cause injury.
- Do not pull out the paper tray forcefully. If you do, the tray might fall and cause an injury.
- Before installing the memory unit, turn off the printer's power switch and unplug the power cable. After installing the memory unit, be sure to close the memory unit cover, and then turn the machine back on. Do not turn on the machine before closing the memory unit cover.
- Take care to avoid cutting your hands when loading paper.

# **Handling the Consumables**

#### **⚠ WARNING:**

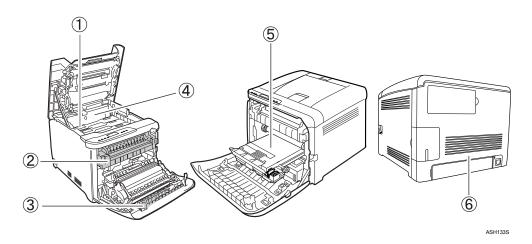
- Do not incinerate used toner or toner containers. Toner dust might ignite when exposed to an open flame. Dispose of used toner containers in accordance with local regulations.
- Do not store toner, used toner, or toner containers in a place with an open flame. The toner might ignite and cause burns of a fire.
- Do not incinerate spilled toner or used toner. Toner dust might ignite when exposed to an open flame.

#### **A** CAUTION:

- Keep toner (used or unused) and toner containers out of reach of children.
- If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.
- If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.
- If toner or used toner is swallowed, dilute by drinking a large amounts of water. Consult a doctor if necessary.
- Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.
- If toner gets on your clothing, wash with cold water. Hot water will set the toner into the fabric and may make removing the stain impossible.
- Our products are engineered to meet high standards of quality and functionality, and we recommend that you use only the expendable supplies available at an authorized dealer.

# Positions of **MARNING** and **MCAUTION** Labels

This machine has labels for <u>AWARNING</u> and <u>ACAUTION</u> at the positions shown below. For safety, please follow the instructions and handle the machine as indicated.



(1)



Do not incinerate used toner or toner containers. Toner dust might ignite when exposed to an open flame. Dispose of used toner containers in according with local regulations.

Keep toner (used or unused) and toner containers out of reach of children.

2



Do not touch labelled gray areas.

The areas can get very hot.

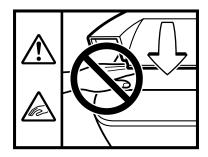
(3)



Do not touch labelled gray areas.

The areas can get very hot.

4



Be careful not to trap your fingers when opening or closing the top cover.

(5)



Do not incinerate used toner or toner containers. Toner dust might ignite when exposed to an open flame. Dispose of used toner containers in according with local regulations.

Keep toner (used or unused) and toner containers out of reach of children.

6



The machine weighs approximately 23 kg (50.6 lb.). When moving the machine, use the inset grips on both sides, and lift slowly in pairs.

# **ENERGY STAR Program**

## **#Important**

☐ The SP C231N model printer is not compliant with ENERGY STAR Program.

ENERGY STAR® Program Requirements for Imaging Equipment



The ENERGY STAR® Program Requirements for Imaging Equipment encourage energy conservation by promoting energy efficient computers and other office equipment.

The program backs the development and dissemination of products that feature energy saving functions.

It is an open program in which manufacturers participate voluntarily.

Targeted products are computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Energy Star standards and logos are internationally uniform.

## Low-power Mode (Energy Saver mode)

This printer automatically lowers its power consumption 15 minutes after the last operation has been completed. To exit Low-power (Energy Saver) mode, press any key on the control panel. For more information about how to configure Energy Saver mode, see "Making Printer Settings Using the Control Panel", Software Guide as a HTML file on the CD-ROM.

## Specifications

Energy Saver mode	Power Consumption	15 W or less
	Default Interval	15 minutes
	Recovery Time	48 seconds or less

## ❖ Recycled Paper

We recommend use of recycled paper which is environmentally friendly. Please contact your sales representative for recommended paper.

# **Others**

## **Symbols**

The meanings of the symbols for the switches on this machine are as follows:

- POWER ON.
- O:POWER OFF.

## Note to users in the United States of America

#### Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio /TV technician for help.

#### Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# **Declaration of Conformity**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- ① This device may not cause harmful interference, and
- ② this device must accept any interference received, including interference that may cause undesired operation.

Responsible party: Ricoh Americas Corporation Address: 5 Dedrick Place, West Caldwell, NJ 07006

Telephone number: 973-882-2000 Product Name: Laser Printer

Model Number: SP C231N / Aficio SP C231N, SP C232DN / Aficio SP C232DN

Properly shielded and grounded cables and connectors must be used for connections to a host computer (and/or peripheral) in order to meet FCC emission limits.

## Note to users in Canada

#### Note

This Class B digital apparatus complies with Canadian ICES- 003.

# Remarque concernant les utilisateurs au Canada

#### **Avertissement**

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.