1. SPECIFICATIONS

Type	:	Desktop
PC Drum Type	:	OPC (organic photoconductor)
Copying System	:	Electrostatic dry-powdered image transfer to plain paper
Print Density	:	Equivalent to 600 dpi in main scanning direction x 1800 dpi in sub-scanning direction
Paper Feeding System (Standard)	:	Two-way system 1st Drawer.....250 sheets (plain paper 80 g/m^2) 2nd Drawer....500 sheets (plain paper 80 g/m^2)
Printing Process	:	Tandem-type indirect electrostatic recording system
Exposure System	:	LED Unit exposure for each of Y, M, C, and Bk
Developing System	:	NMT system
Charging System	:	DC comb electrode Scorotron system
Ozone Removal System	:	Ozone Filters
Image Transfer System	:	Intermediate transfer belt system
Paper Separating System	:	Selecting either nonwoven fabric float or ground
Transfer Belt Cleaning	:	Blade cleaning
Fusing System	:	Belt fusing
Paper Charge Neutralizing	:	Charge Neutralizing Brush

Print Paper Type :

Paper Source		1st Drawer	2nd Drawer
Paper type	Plain paper (64 to 90 g/m^2)	❍	❍
	Translucent paper	-	-
	OHP transparencies (dedicated)	❍ 20 sheets or less	-
	Thick paper (91 to 163 g/m^2)	❍ 20 sheets or less	-
	Thick paper (164 to 209 g/m^2)	-	-
	Postcards	❍ 20 sheets or less	-
Paper dimensions	Max. (width × length)	311 × 457 mm	Metric A3L Inch 11 × 17
	Min. (width × length)	90 × 140 mm	Metric B5L/C Inch 8-1/2 × 11

❍: Reliably fed -: Feeding prohibited

Warming-up Time : 5 min. or less (at ambient temperature of 20 °C and rated source voltage)

Print Speed :

Full Color	Less than 15 sec. (A4C)
Black	Less than 12 sec. (A4C)

(1st Drawer, full size)

Power/Current Consumption (printer only):

Roller Heater Lamps H1, 2, and 3 (rating)	Max. Power Consumption
110 V, 120 V, 127 V, 220-240 V, 650 W	US:Less than 1.3 kW Europe:Less than 1.5 kW

Power Requirements : 110 V, 120 V, 127 V:15 A, 60 Hz
220 to 240 V:10 A, 50/60 Hz

Environmental Conditions:

Temperature	10 to 30 °C (with a fluctuation of 10 °C or less per hour)
Humidity	25 to 85 % (with a fluctuation of 20 % or less)
Ambient Illumination	3,000 lux or less
Levelness	1° (1.75/100 or less)

Dimensions : Printer + 2nd Drawer
Width ..... 596 mm(23-1/2 inch)
Depth ..... 730 mm(28-3/4 inch)
Height..... 523 mm(20-1/2 inch)

Weight : Printer + 2nd Drawer: 85 kg(187-1/2 lbs)

2. PRECAUTIONS FOR INSTALLATION

2-1. Installation Site

To ensure safety and utmost performance of the printer, the printer should NOT be used in a place:

- Where it will be subjected to extremely high or low temperature or humidity.
- Where it will be subjected to sudden fluctuations in either temperature or humidity.
- Which is exposed to direct sunlight.
- Which is in the direct air stream of an air conditioner, heater or ventilator.
- Which has poor ventilation or is dusty.
- Which does not have a stable, level floor or where it will receive undue vibration.
- Which is near any kind of heating device.
- Which is near volatile flammables (thinner, gasoline, etc.).
- Where it may be splashed with water.
- Which puts the operator in the direct stream of exhaust from the printer.
- Where ammonia gas might be generated.

2-2. Power Source

- If any other electrical equipment is sourced from the same power outlet, make sure that the capacity of the outlet is not exceeded.
- Use a power source with little voltage fluctuation.
- Never connect by means of a multiple socket any other appliances or machines to the outlet being used for the printer.
- Ensure that the printer does not ride on the power cord or communications cable of other electrical equipment, and that it does not become wedged into or underneath the mechanism.
- Make the following checks at frequent intervals:

✻ Is the power plug abnormally hot?
✻ Are there any cracks or scrapes in the cord?
✻ Has the power plug been inserted fully into the outlet?
✻ Does something, including the printer itself, ride on the power cord?

Use an outlet with a capacity of 110/120/127 V, 15 A or more. 220-240 V, 10 A or more.

2-3. Grounding

- Always ground the printer to prevent receiving electrical shocks in the case of electrical leakage.
- Connect the ground wire to the ground terminal of the outlet or a grounding contact which complies with the local electrical standards.
- Never connect the grounding wire to a gas pipe, the ground wire for a telephone, lightning arrester, or a water pipe for fear of fire and electrical shock.

3. PRECAUTIONS FOR USE

3-1. To ensure that the printer is used in an optimum condition

- Never place a heavy object on the printer or subject the printer to shocks.
- Insert the power plug all the way into the outlet.
- Do not attempt to remove any panel or cover which is secured while the printer is making prints.
- Do not turn OFF the printer while it is making prints.
- Provide good ventilation when making a large number of prints continuously.
- Never use flammable sprays near the printer.
- If the printer becomes inordinately hot or produces abnormal noise, turn it OFF and unplug it.
- Do not turn ON the power switch at the same time when you plug the power cord into the outlet.
- When unplugging the power cord, do not pull on the cord; hold the plug and pull it out.
- Do not bring any magnetized object near the printer.
- Do not place a vase or vessel containing water on the printer.
- Be sure to turn OFF the power switch at the end of the workday or upon power failure.
- Use care not to drop paper clips, staples, or other small pieces of metal into the printer.

3-2. Operating Environment

The operating environmental requirements of the printer are as follows.

- Temperature: 10 to 30 °C
- Humidity: 25 to 85 %
- Rate of temperature change: 10 °C/h
- Rate of humidity change: 20 %/h

3-3. Power Requirements

The power source voltage requirements are as follows.

- Voltage fluctuation: AC 110, 120, 220, 240 V
  ± 10 % (printing performance assured)
  (127 V areas only; between -10 % and +6 %)
  +10 %
  -15 % (paper feeding performance assured)
- Frequency fluctuation: 50/60 Hz ± 0.3 %

4. HANDLING OF THE CONSUMABLES

Before using any consumables, always read the label on its container carefully.

- Paper can be easily damaged by dampness. To prevent absorption of moisture, store paper, which has been removed from its wrapper but not loaded in the drawer, in a sealed plastic bag in a cool, dark place.
- Keep consumables out of the reach of children.
- Do not touch the PC Drum with bare hands.
- The same sized paper is of two kinds, short grain and long grain. Short grain paper should only be fed through the printer crosswise, long grain paper should only be fed lengthwise.
- If your hands become soiled with toner, wash them with soap and water.
- Do not throw away any used consumables (PC Drum, starter, toner, etc.). They are to be collected.
- Do not burn, bury in the ground, or throw into the water any consumables (PC Drum, starter, toner, etc.).
- Do not store consumables in a place which:

✻ Is hot and humid.
✻ Is subject to direct sunlight.
✻ Has an open flame nearby.

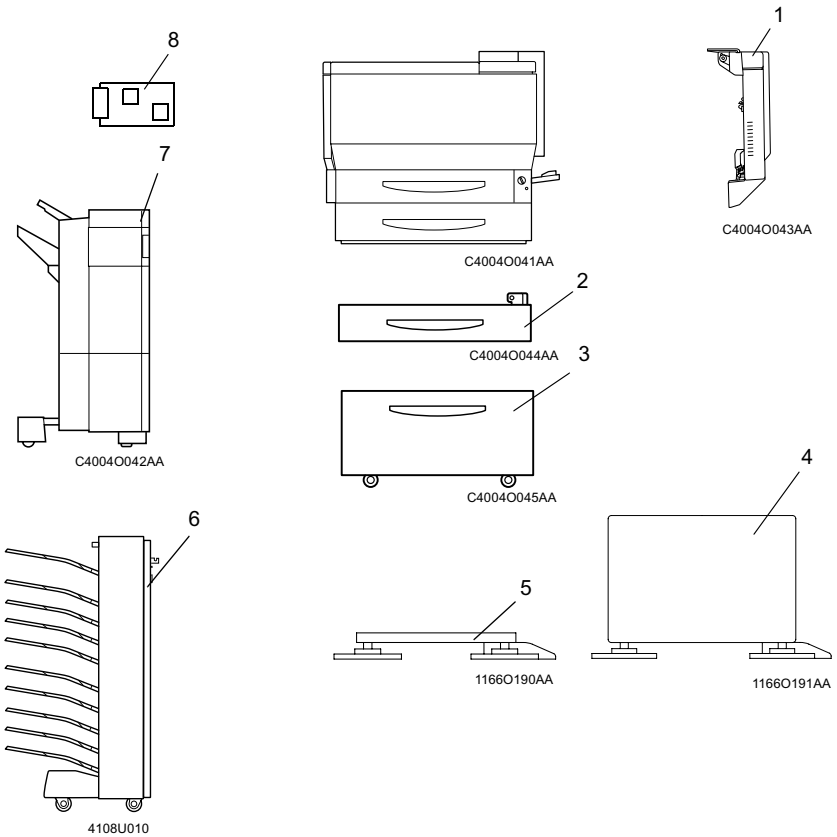
5. OTHER PRECAUTIONS

Use the following precautions when performing service jobs for a printer that uses a laser.

- When a service job needs to be performed in the laser beam path, such as when working around the printer head or PC Drum, be sure first to unplug the power cord of the printer from the outlet.
- If the job requires that the power cord be left plugged in, observe the following precautions.

1. Take off your watch, ring and any other reflective object and wear laser protective goggles.
2. Keep users away from the job site.
3. Do not bring a highly reflective tool into the laser beam path during the service job.

6. SYSTEM OPTIONS



1. Duplex Unit AD-14
2. Paper Feed Unit PF-118
3. Large Capacity Cabinet PF-117
4. Copy Desk
5. Copy Table
6. 10-Mailbin Sorter JS-1002
7. Finisher FN-107, FN-108
8. Data Terminal DT-105 (USA, Canada Only)