



RISO *ME* 9450

Streamline your work with the benefits of two-color, single pass printing



Make your **ideas** stand out

Communicate with more clarity

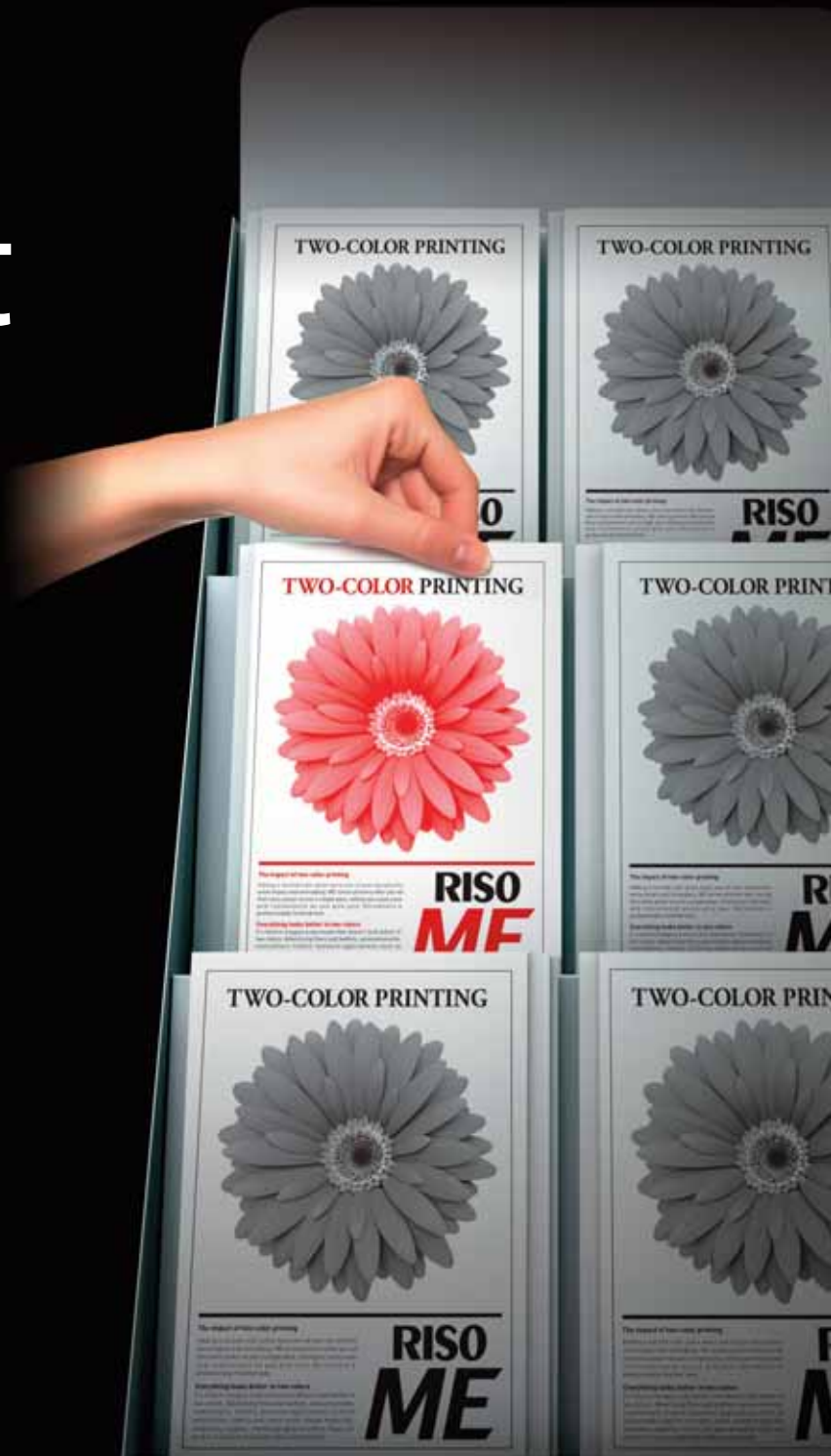
Double your colors for double the impact and immediacy in your documents. ME series printers provide the power of two-color printing at just a single pass, making it easy and convenient to give your documents a professionally finished look.

RISO quality lets you communicate your ideas quickly, beautifully, easily, and usefully. And the highly reliable ME series takes various types of paper, making them more versatile than ever.



RISO ME 9450

High-quality, ultra-high-speed
1 or 2 color printing for everyone:
RISO's revolutionary ME series



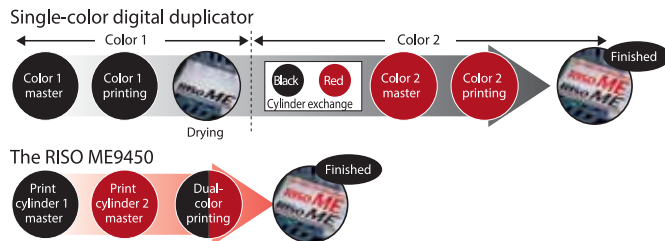
High Productivity

Print more copies,
in less time, at less cost



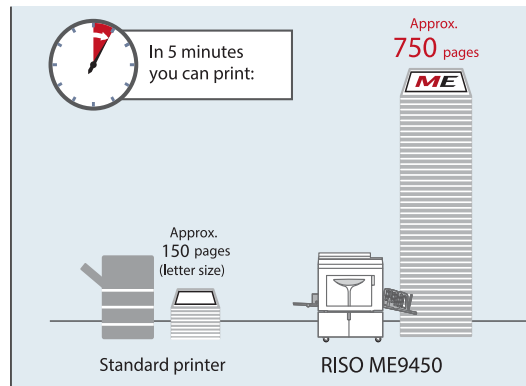
A single pass process for high-speed two-color printing

The RISO ME9450 digital duplicator comes with dual color cylinders. Compared to using single-color digital duplicators for two-color output, this reduces ink-drying time and the tasks of reinserting paper and changing cylinders. One simple action gives you the high-speed color printing you need. (Single-color printing using one cylinder is also possible.)



Up to 150 pages a minute in two crisp colors

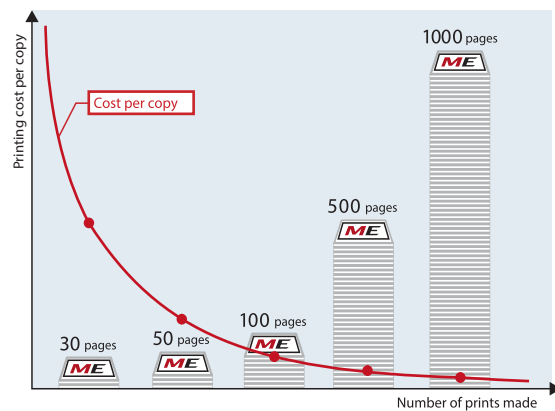
The RISO ME9450 features an adjustable five-speed function for printing between 60 and 120 pages per minute. It also has a high-speed mode that prints at a maximum speed of 150 pages per minute, saving time and increasing your office's productivity and efficiency.



Note: Comparison of the RISO ME9450 (150 pages per minute) and a standard printer (30 letter-size pages per minute).

The larger the job size, the lower the running cost

The RISO ME9450 first creates a master copy of the original document, from which prints are made. The printing cost per copy of a document goes down with every print, making the RISO ME9450 highly economical for large-volume printing. Optional "A4/letter" cylinders can be used to print more popular paper sizes even more efficiently to save master usage, holding down running costs to a minimum.



High Quality

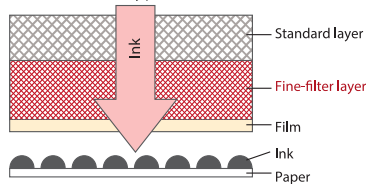
Sharp, rich images give your ideas impact on the page



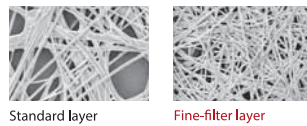
High-resolution 600 dpi scanning and printing gives clear output

The RISO ME9450 digital duplicator both scans and prints information at a high resolution level of 600 dpi, producing sharp, clear images of even fine lines and small characters. The model uses the newly developed RISO Master E Type HG with a two-layer ink-permeable sheet adding an extra fine-filter layer to the standard layer, enabling even ink transfer to the paper. It can also reproduce subtle color gradations, enabling users to print clear copies of photos, shaded areas of images, and documents written in pencil.

RISO Master E Type HG cross-section



Magnified view of master



A rainbow of variety for your work

The machine's swappable color cylinder accommodates a wide variety of inks in a range of standard colors, as well as additional special edition and custom colors that can give corporate logos an extra-special look. This huge selection of colors lets you add powerful impact to your documents. And because the ink is made by RISO, you're assured of the highest quality results. Front panel access makes switching the cylinder quick and easy to change color, too.

Red	Bright Red	RISO-Marine Red	Burgundy	
Brown	Yellow	Green	Teal	
Blue	Medium Blue	RISO-Fed. Blue	Purple	
Flat Gold	Orange	Crimson	Hunter Green	
Gray	Light Gray	Fluorescent Pink	Fluores. Orange	Gold

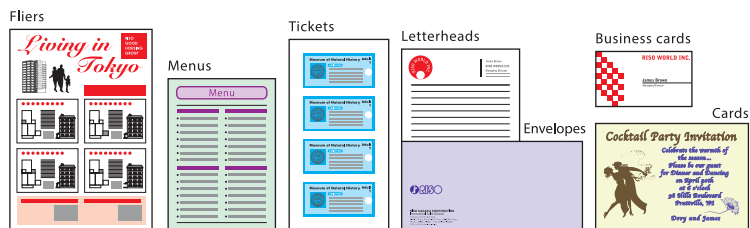
[Custom colors]

Note: The actual colors may differ from the samples shown above.



Versatile printing on different paper types

The RISO ME9450 lets you use a wide range of paper types, giving you the perfect option for your job every time. Advertising fliers and leaflets, announcements, newsletters, tickets, business applications such as letterheads, reports, and business cards, lesson materials, invitations, coupons; the list just goes on and on. If you can print it, it's sure to look better with a second color.



Ease of Operation

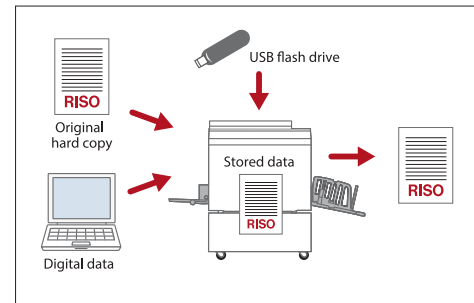
A simple, intuitive design enhances the ease of use



Print from hard copy, electronic file, external memory, or stored data

For users who create originals on a PC, the printer driver software automatically handles color separation when the data is sent to the printer. The RISO can print your documents from a variety of sources:

- Original hard copy
- Networked computer/data file
- USB flash drive
- Stored data within the unit



Easier master-making with “Easy 2-color” for original hard copy

The ME series “Easy 2-color” process not only makes it quick and easy to create two-color masters, it also offers you a choice of how to do it so you can select the method you find easiest or the one that’s most suitable for your print job.

Red and black original

A red and black original gives the simplest master-making process. Just set your original and scan—the ME series automatically does the color separation for you.

Handwritten separation

With a one-color original, you can write the data you want printed in the second color in pencil. Then you simply scan and the colors are separated automatically.

Area separation

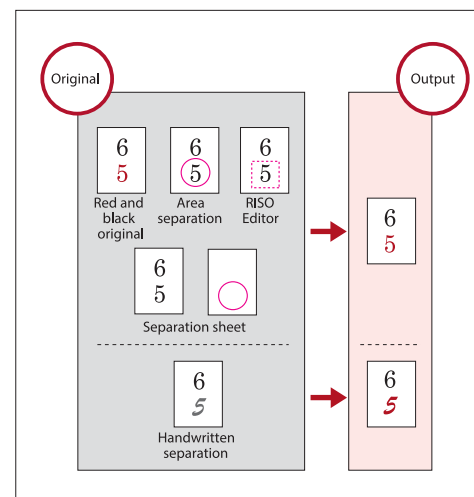
On a one-color original you just circle the areas for printing in the second color. Then scan your marked original and the color separation process happens automatically.

Separation sheet

With area separation, you have to mark your original. If you don’t wish to write on your original, simply circle the area for printing in the second color on a separate sheet of paper and scan twice for color separation.

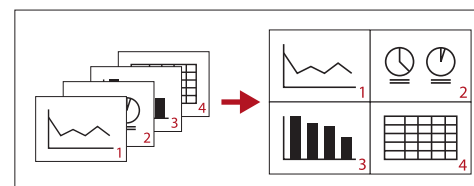
RISO Editor

The RISO Editor lets you directly specify on the touch panel which areas should be in which color, or even move photos, illustrations, or blocks of text.



Save paper by consolidating information on a single page

Documents that run into several pages can be consolidated into fewer pages and in an easier-to-read format, reducing the amount of paper required for printing.



Convenient Functionality

The features you need to make your job even easier



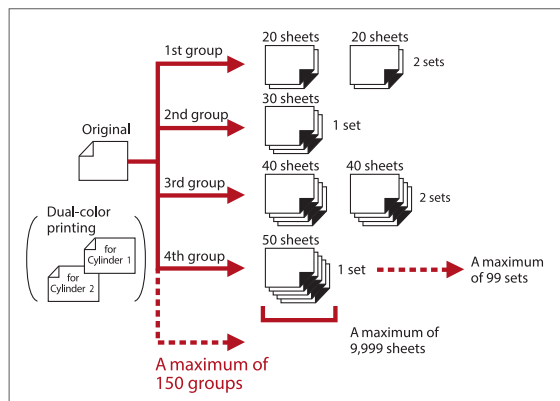
Advanced print functions for even more convenient use

The "Programmed printing" feature saves you from repeatedly having to enter how many copies to print by assigning the number of copies per set in advance. Previous models allowed separation of printed copies into 50 groups, but with the ME9450, you can set up to 150 groups for your print jobs. Operation stops after printing each set of copies.

The RISO Job Separator IV:NIII, an optional feature on the RISO ME9450 digital duplicator, enables tape to be inserted between printing jobs even during high-speed printing and speedily separates the printed paper into lots of specified numbers, all without interrupting the printing process.

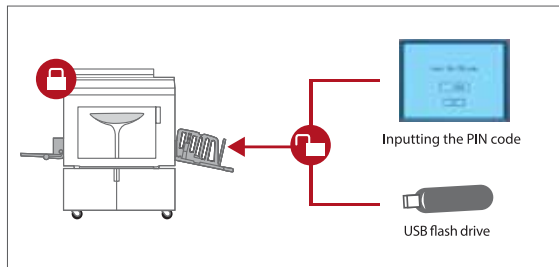


The RISO Job Separator IV:NIII
When combined with the "Programmed printing" function, it distinguishes between different printing jobs and separates the printed paper into groups accordingly.



Reliable security features for your peace of mind

By registering the names and PIN codes of authorized users, access can be restricted and misuse prevented. Instead of a PIN code, a USB flash drive*1 can also be used for authentication and registration.*2 The Protect function displays a message asking the user to transfer the master to the Master Disposal Box after printing is completed. For additional security, it is also possible to use a padlock to secure the Master Disposal Box.*3



Note: A maximum of 100 users, including the administrator, can be registered.



Master Disposal Box

- *1 Please contact a RISO sales executive for the kinds of USB flash drives that may be used.
- *2 Either a PIN code or a USB flash drive can be selected as the authentication method.
- *3 A padlock is not provided with the main unit. Please use a commercially available padlock.

Keep track of the unit's usage stats with accurate monitoring functions

The "RISO Copy Count Viewer" manages the counter data (number of prints, masters, etc.) output to a USB drive from your computer.



Smart, easy, and versatile: Two-color printing the way you want it

Full expandability to give you the functions you need



Color cylinder

A wide variety of colors is available. Cylinders can be stored in their own cases.



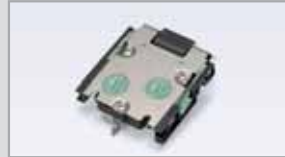
Auto document feeder AF-VI:II

Automatic feed of up to 50 sheets of originals.



Auto document feeder DX-1

Automatic scanning of both sides of originals and automatic feeding. 50-sheet capacity.



Card feed kit

Allows use of thicker stock such as cards and envelopes.



Job Separator IV:N III

Allows the machine to print and sort into groups separated by tape.



RISO controller IS300

Provides compatibility with Adobe® PostScript®3™.

Network card

Gives the printer a network connection. Comes bundled with RISO-MONITOR remote printer-monitoring software.

Wide-stacking tray

Allows use of paper up to 555 mm from top to bottom.

Envelope feeder

Compatible with paper weight 50 gsm to 120 gsm.

*Please contact a RISO sales executive for the kinds of envelope that may be used.

RISO Printer driver for Macintosh

Printer driver on CD for Mac OS.

A complete range of RISO ME Series supplies



RISO Ink

You can choose from a range of standard colors, as well as additional special edition colors, or even special order custom colors—ideal for applications such as specific corporate colors. Consult your RISO sales associate for information on custom inks.

Ink

RISO INK ETYPE HD BLACK
RISO INK ETYPE COLOR



RISO Master

High-quality RISO masters provide the best performance match with ME series printers, giving a sharp, clear image to all your documents.

Master

RISO MASTER ETYPE HG 97
RISO MASTER ETYPE HD 87

RISO i QualitySystem™

The RISO i Quality System™ offers a large number of quality and convenience benefits.

Among them are:

- Automatic assurance of optimum print quality.
- Prevention of operator error.
- Warning of shortages in remaining ink/master volume.
- Minimized paper waste.



The RISO i Quality mark indicates a RISO product compatible with the RISO i Quality System.

Helps to save both energy and resources

Recycled materials

Ink tubes and some parts for the ME series are made of PET 5 recyclable plastic, and include material made from recycled components.

ENERGY STAR® Program



RISO is compliant with an international program that promotes energy saving in printing machines. The program sets standards in terms of the power consumption of printing machines.

RoHS Directive

RISO machines are also compliant the world over, meeting the stringent conditions of the EU's directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Energy-efficient printing

The digital duplicator uses no toner, and therefore needs no heat source to affix the toner during the print process. Turn the duplicator on and it's ready to go in an instant, letting you save energy whenever it's not in use. And high-speed printing means your job is done sooner, so you can turn it off that much more quickly.

RISO Ink is made of eco-friendly soy oil

One of the ingredients of RISO INK is soy oil, making it a high-quality, eco-friendly product. It meets the soy oil content standards specified by the American Soybean Association and is certified to use the "CONTAINS SOYOIL" trademark.



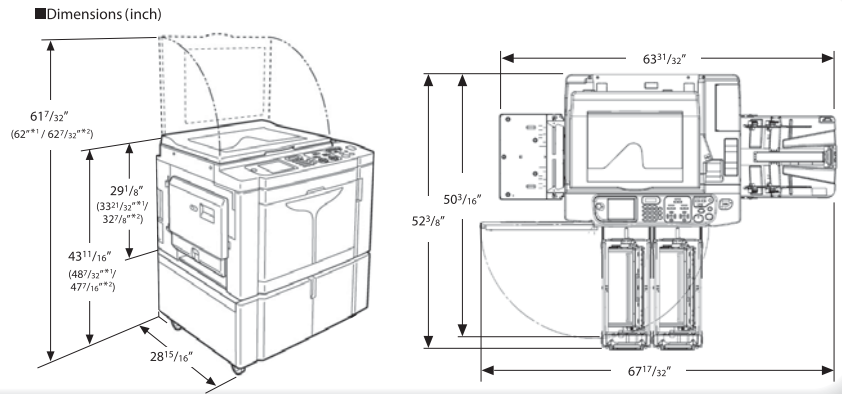
Note: Order-made colors may not be available in soy-oil-based inks.

RISO ME 9450

Specifications are subject to change without notice. Details may vary depending on the region.

- *1 When installed with RISO Auto document feeder DX-1.
- *2 When installed with RISO Auto document feeder AF-VI.II.

Note: All dimensions are when installed with RISO stand D type (II).



RISO ME9450 Specifications


Master-making/printing methods	High-speed digital master-making/full automatic stencil printing
Original Type	Book (22 lb (10 kg) or less), sheet
Resolution	Scanning resolution: 600 dpi × 600 dpi Printing image resolution: 600 dpi × 600 dpi
Original Size (min./max.)	When using the Glass Platen: 13 ¹ / ₃₂ " × 31 ⁷ / ₃₂ " (50 mm × 90 mm) - 12 ⁷ / ₃₂ " × 17" (310 mm × 432 mm) When using the Auto Document Feeder AF-VI.II (option): 3 ¹⁵ / ₁₆ " × 5 ¹³ / ₁₆ " (100 mm × 148 mm) - 12 ⁷ / ₃₂ " × 17" (310 mm × 432 mm) When using the Auto Document Feeder DX-1 (option): 4 ¹ / ₈ " × 5 ¹ / ₃₂ " (105 mm × 128 mm) - 11 ¹¹ / ₁₆ " × 17" (297 mm × 432 mm)
Original Paper Weight	When using the Auto Document Feeder AF-VI.II (option): 13-lb bond (50 gsm) - 34-lb bond (128 gsm) When using the Auto Document Feeder DX-1 (option): Single-sided feeding: 11-lb bond (40 gsm) - 34-lb bond (128 gsm) Duplex-sided feeding: 14-lb bond (52 gsm) - 28-lb bond (105 gsm)
Printing Paper Size (min./max.)	Minimum size - Dual-Color Print 7 ⁵ / ₃₂ " × 10 ¹ / ₈ " (182 mm × 257 mm) - Mono-Color Print (with Print Cylinder 1) 3 ¹⁵ / ₁₆ " × 5 ¹³ / ₁₆ " (100 mm × 148 mm) - Mono-Color Print (with Print Cylinder 2) 7 ⁵ / ₃₂ " × 10 ¹ / ₈ " (182 mm × 257 mm) Maximum size 12 ¹⁹ / ₃₂ " × 17" (320 mm × 432 mm)* <small>*Paper up to 21²⁷/₃₂" (555 mm) from top to bottom may be used in the Extended Paper mode. If Print Cylinder 1 is removed and Mono-Color printing is performed with Cylinder 2 at a print speed of "High Speed", paper of 14¹¹/₃₂" (364 mm) to 17" (432 mm) in the vertical paper dimension can be used.</small>
Paper Supply Capacity	Approx. 1000 sheets (21-lb bond (80 gsm) /Maximum Height 4 ¹¹ / ₃₂ " (110 mm)
Paper Receiving Capacity	Approx. 1000 sheets (21-lb bond (80 gsm) /Maximum Height 4 ¹¹ / ₃₂ " (110 mm)
Printing Paper Weight	12-lb bond (46 gsm) - 110-lb index (210 gsm)
Image Processing Mode	Line, Photo (Standard/Portrait/Group), Duo (Line/Photo/Shadow off), Pencil (Darker/Lighter)
Master-making Time (for A4/short edge feed/ 100% reproduction ratio)	Approx. 57 seconds (for Dual-Color print) Approx. 24 seconds (for Mono-Color print (Cylinder 1)) Approx. 34 seconds (for Mono-Color print (Cylinder 2)) (when Print Cylinder 1 is not set)
Printing Area (max.)	A3/Ledger Cylinder: 11 ¹⁵ / ₃₂ " × 16 ²³ / ₃₂ " (291 mm × 425 mm) A4/Letter-R Cylinder: 11 ¹⁵ / ₃₂ " × 8" (291 mm × 203 mm)
Print Reproduction Ratio	Zoom: 50 - 200% Standard reproduction ratio (enlargement): 200%, 154%, 129%, 121% Standard reproduction ratio (reduction): 78%, 65%, 61%, 50% Margin+: 90 - 99%
Print Speed	60 - 120 sheets per minute (Control panel: five steps variable) 150 sheets per minute (Touch panel: "High Speed")
Print Position Adjustment	Vertical: ±1 ⁹ / ₃₂ " (±15 mm) Horizontal: ±2 ⁵ / ₆₄ " (±10 mm)
Ink Supply	Fully automatic (1000 ml per cartridge)
Master Supply/Disposal	Fully automatic Approx. 215 sheets per roll with A3/Ledger Cylinder Approx. 373 sheets per roll with A4/Letter-R Cylinder
Master Disposal Capacity	80 sheets each
User Interface	LCD Touch Panel with Progress Arrow indicators
Optional Accessories	Auto Document Feeder AF-VI.II, Auto Document Feeder DX-1, Color Cylinder, Key Card Counter, Job Separator, RISO Network Card, RISO Controller IS300, RISO Stand, Wide Stacking Tray, Cover Kit: Paper Feed/Ejection, Card Feed Kit, Envelope Feed Kit, RISO Printer Driver for Macintosh
Operating Noise	Max. 66 dB(A) (when printing 100 sheets per minute)
Power Source	AC 100-240 V, 50-60 Hz <7.3-3.0 A>
Power Consumption (without accessories)	Max. 600 W (100 V) / 580 W (220 V) At Ready: approx. 55 W (100 V, 220 V) At Sleep: approx. 2.5 W (100 V, 220 V)
Functions	Print Mode (Dual-color/Mono-color), Auto Document Feeder (optional), Direct Print, Scanning Contrast (Manual/Auto), Paper Size detection, Auto-Process, Dot Process (4 types), Contrast Adjustment, Tone Curve, Ink Saving, Multi-Up Print (2 up/Single-Original/Multiple-Original / Multi-Up Tickets), Layout, Book Shadow, Top Margin, Binding Margin, Max. Scan, Easy 2Color, Preview, OneSide MasterMake, Print Speed Adjustment, Print Density Adjustment, Print Position Adjustment, 1=2 Alignment, Proof, Double Feed Check, Interval Printing, Jump Wing Control, Special Paper Control, User Management, Programmed Printing (3 types), Job Memory, Confidential mode, Reservation, Idling, Renew Page, Output Reversal, ADF Semi-Auto (with optional ADF unit installed), Scanning Side (with optional ADF DX-1), Rotate, ID Counter Report, My Direct Access, Admin. Mode, Auto 90° Rotation, SW. Color, Energy Saving Mode (Auto Sleep, Auto Power-OFF), Editor, Direct Access Entry, Selections Entry, Custom Paper Entry, Protect, Scan Mode (with optional memory card or USB Flash Drive), Storage memory (with optional memory card), USB Job List (with USB Flash Drive), Overlay (with optional memory card or USB Flash Drive), Stamp, Management of Consumables, RISO i Quality System™
Dimensions	When in use: 63 ³¹ / ₃₂ " (W) × 28 ¹⁵ / ₁₆ " (D) × 29 ¹ / ₈ " (H) (1,625 mm (W) × 735 mm (D) × 740 mm (H)) When in storage: 39 ⁹ / ₁₆ " (W) × 28 ¹⁵ / ₁₆ " (D) × 29 ¹ / ₈ " (H) (1,005 mm (W) × 735 mm (D) × 740 mm (H))
Required Space*1	67 ¹⁷ / ₃₂ " (W) × 5 ²³ / ₈ " (D) × 61 ⁷ / ₃₂ " (H) (1,715 mm (W) × 1,330 mm (D) × 1,555 mm (H))
Weight*2	Approx. 375 lb (170 kg)
Safety Standard	IEC-60950-1 compliant, Indoor, pollution degree 2*3, At altitudes of 6,500 feet or lower

Note: • Please note that due to improvements and changes to the machine, some images and explanations in this brochure may not correspond to your machine.
• The specifications are subject to change without prior notice.

*1 The height includes the height of the dedicated stand.

*2 The weight does not include Ink and Master.

*3 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to general indoor environment.

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