



KONICA MINOLTA

MULTIFUNCTION GETS MINIMIZED

Meet the magicolor® 1680MF Konica Minolta's newest and smallest color laser all-in-one. With a height of only 14.8", this compact multitasker features professional-quality printing, copying and scanning all in one small package. Don't let its size fool you, this desktop dynamo delivers 20 ppm B&W and 5 ppm color. It also features 1200 x 600 dpi resolution and Simitri® HD Polymerized toner for bold graphics and crisp text page after page. Designed with the user in mind, supply replenishment is a snap with a convenient front access panel and an easy to read display. Streamline your office by combining three essential business functions—print, copy and scan into one compact solution, the magicolor 1680MF, the smart choice for today's professionals.



DO BUSINESS BETTER

20 PPM 5 PPM

CONNECT

COMMUNICATE

CONTROL

magicolor 1680MF

- ▶ BRILLIANT 1200 X 600 DPI PRINT QUALITY
- ▶ DESKTOP FRIENDLY SIZE SEAMLESSLY FITS INTO ANY WORKSPACE
- ▶ STATE OF THE ART SIMITRI HD POLYMERIZED TONER FOR AMAZING COLOR
- ▶ FAST PRINT SPEEDS OF 20 PPM B&W AND 5 PPM COLOR
- ▶ DEPENDABLE 35,000 PRINT-PER-MONTH DUTY CYCLE
- ▶ LOW ACOUSTIC NOISE LEVELS FOR ZERO DISTURBANCES
- ▶ CONVENIENT FRONT ACCESS PANEL FOR QUICK SUPPLY REPLACEMENT
- ▶ VERSATILE SCAN-TO-FILE FORMATS INCLUDING PDF, TIFF & JPEG
- ▶ MULTIPLE COPY SETTINGS FOR COMPLETE CUSTOMIZATION
- ▶ SIMPLE CONTROL PANEL LAYOUT FOR EASY NAVIGATION

magicolor 1680MF

- FULL COLOR
- PRINTER
- COPIER
- SCANNER



The essentials of imaging



magicolor 1680MF

GENERAL SPECIFICATIONS

PRINT

PRINT METHOD:
Electrophotographic Laser, 4-Cycle Print System

PRINT SPEED*:

Monochrome: 20 ppm
Color: 5 ppm
*Exact print speed differs depending on system configuration, software application, driver and document complexity.

WARM-UP TIME:

Average 30 seconds

FIRST-PAGE OUTPUT TIME:

Monochrome: 11 seconds
Color: 20 seconds

RESOLUTION:

1200 x 600 dpi

MONTHLY DUTY CYCLE:

Maximum: 35,000 prints

COPY

COPY SPEED*:
Monochrome: 21 cpm
Color: 3.5 cpm
*Exact print speed differs depending on system configuration, software application, driver and document complexity.

FIRST-PAGE OUTPUT TIME:

Monochrome: 23 seconds
Color: 52 seconds

RESOLUTION:

600 x 600 dpi
600 x 300 dpi

COPY SETTINGS:

Density (7 Steps)
Reduce/Enlarge (25 - 400%)
Number of copies (1-99)
Quality (Text/Photo/Mix, Normal/Fine)
ID card copy, Poster copy, Repeat copy

SCAN

SCANNER TYPE:
Flatbed

SCAN SPEED:

Monochrome: 20 opm
Color: 3.3 opm

RESOLUTION:

600 x 600 dpi

COLOR DEPTH:

8-bit RGB

SCAN SIZE:

Platen Glass: A4, Letter

SCAN DESTINATION:

USB

SCAN DRIVERS:

TWAIN and WIA (Windows only)
TWAIN (Macintosh only)

SCAN-TO-FILE-FORMATS:

PDF, TIFF, JPEG

SCAN UTILITIES:

LinkMagic (Windows only)
ScanSoft PaperPort 11 SE (Windows only)

HARDWARE AND SOFTWARE CAPABILITIES

PROCESSOR:
ASIC (IALE3)

MEMORY:

64 MB

OPERATING SYSTEM COMPATIBILITY:

Windows Vista
Windows Vista x64
Windows XP
Windows XP x64
Windows Server 2003
Windows Server 2003 x64
Windows 2000
Macintosh OS X 10.2+

PRINTER EMULATIONS:

Host-based, GDI

PRINTER MANAGEMENT:

Local Setup Utility

COLOR SUPPORT:

Quick-click Color Matching

HOST SYSTEM REQUIREMENTS

400 MHz Pentium II with 128 MB RAM
256 MB free disk space
CD-ROM/DVD drive

INTERFACE SUPPORT

USB 2.0

PAPER HANDLING

STANDARD PAPER INPUT:

200-sheet tray*
*Dust cover optional

STANDARD PAPER OUTPUT:

100-sheet face-down output bin

PRINT DUPLEXING:

Manual two-sided printing

PAPER SIZES SUPPORTED*:

200-sheet tray:
Letter
Legal
Executive
Folio
Govt. Letter
Govt. Legal
Letter Plus
Statement
A4, A5, A6
B5, B6
Custom sizes (plain paper):
(W) 3.6"-7.24" to (L) 8.5"-14"
(W) 91-184 mm to (L) 216-356 mm
Envelopes: B5 (ISO), C6, DL

*See Konica Minolta Media Guide for more information

PRINTABLE AREA:

0.16" (4.2 mm) from all edges
0.63" (16 mm) from bottom margin of legal pages when printing color

PAPER WEIGHTS:

Plain paper: 16-24 lb. Bond (60-90 g/m²)
Thick Stock: Up to 110 lb. Index (91-209 g/m²)

PRINT MEDIA:

Plain Paper
Letterhead
Recycled Paper
Thick Stock
Laser Quality Labels
Envelopes
Postcards

PHYSICAL

TYPE:
Laser printer, 4-cycle

DIMENSIONS (WXDXH):

16.0" x 16.9" x 14.8"
(405 x 427 x 375 mm)

WEIGHT:

33 lb. (15 kg) - w/o consumables
42 lb. (19.2 kg) - w/ consumables
50.5 lb. (22.9 kg) - as shipped

ELECTRICAL

POWER REQUIREMENTS:

120 VAC, 50/60 Hz
220/240 VAC, 50/60 Hz

POWER CONSUMPTION:

Operating:
1060 W max.
560 W or less B&W
410 W or less color
Standby: 170 W or less
Sleep Mode: 14 W or less

ENVIRONMENTAL

TEMPERATURE REQUIREMENTS:

Operating: 50° to 95° F (10° to 35° C)
Non-Operating: 32° to 95° F (0° to 35° C)

HUMIDITY:

Operating: 15% to 85% RH
Non-Operating: 30% to 85% RH

NOISE LEVELS:

Operating: ≤52 dB(A)
Standby: ≤32 dB(A)

REGULATORY/SAFETY CONFORMITY:

UL, cUL, CSA, FCC-B, CDRH

CONSUMABLES*:

In-Box Toner-
Cyan, Magenta, Yellow (yield up to 500 pages @ 5% coverage)
Black (yields up to 1,000 pages @5% coverage)
Replacement Toner-
Cyan, Magenta, Yellow (yield up to 1,500 or 2,500 pages @ 5% coverage)
Black (yields up to 2,500 pages @5% coverage)
Drum Cartridge-
Includes OPC Drum and Waste Toner Box (yields up to 45,000 B&W/11,250 color pages - continuous printing)
Fuser Unit-
(yields up to 50,000 pages - continuous printing)

*The stated life expectancy of each consumable is based on printing under specific operating conditions such as page coverage for a particular page size (5% coverage of letter/A4). The actual consumable's life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, and ambient temperature and humidity.

TYPEFACES:

Compatible with all Windows and/or TrueType® fonts printed via Windows GDI

WARRANTY:

1-year

GO GREEN WITH SIMITRI HD.

WHEN PRODUCED, SIMITRI HD EMITS 40% LESS CO₂, NO₂ AND SO₂ THAN CONVENTIONAL PULVERIZED TONERS. IT ALSO OPERATES AT A MUCH LOWER TEMPERATURE – SAVING ENERGIES UP TO 15% MORE ENERGY WHILE DELIVERING SMOOTHER IMAGES AND SHARPER TEXT PAGE AFTER PAGE.



VERSATILE & COMPACT.
DESPITE BEING THE SMALLEST MULTIFUNCTION COLOR LASER EVER OFFERED FROM KONICA MINOLTA THIS COMPACT AIO EASILY SUPPORTS A WIDE VARIETY OF MEDIA SIZES AND TYPES, INCLUDING ENVELOPES AND THICK STOCK UP TO 14".



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Mixed Sources

Product group from well-managed forests and recycled wood or fiber
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