



KONICA MINOLTA

Giving Shape to Ideas



magicolor 1680MF magicolor 1690MF

Your smart colour all-in-one

All-in-one 5/20 ppm

magicolor 1680MF and 1690MF



One compact system for your every need

As compact multifunctionals the magicolor 1680MF and magicolor 1690MF are perfect communication wizards for your home office or small business: With the magicolor 1680MF you get printing, copying and scanning in a single system, while the magicolor 1690MF gives you faxing and full network capabilities on top. Not only does that save you space, it is also much more affordable than buying four separate devices!

Configuration	magicolor 1680MF	magicolor 1690MF	magicolor 1690MF-d	magicolor 1690MF-dt
Print/Copy/Scan	x	x	x	x
Fax		x	x	x
Network capability		x	x	x
Automatic document feeder		x	x	x
Duplex			x	x
200 sheet paper feeder	x	x	x	x
500 sheet lower paper feeder				x

Uncomplicated to use, these flexible all-in-ones for Windows and Mac are your perfect choice to produce and manage the diverse documents and communication you have to deal with every day. With their speed of 5 colour or 20 b/w pages per minute and their comfortably quiet operation, they are just right for the small or home office. One of four preconfigured models is sure to satisfy your specific needs:

- For printing, copying and scanning choose the magicolor 1680MF.
- The magicolor 1690MF combines network printing, copying, scanning, and fax capabilities. It also features a standard automatic document feeder for easier handling of originals.
- If you want all this plus double-sided printing, go for the magicolor 1690MF-d.
- Finally, the magicolor 1690MF-dt is your comprehensive network colour printer, copier, scanner and fax with duplex capability and extended paper capacity for bigger jobs and higher volumes.



magicolor 1680MF
standard



magicolor 1690MF
standard



magicolor 1690MF-d
with duplex unit



magicolor 1690MF-dt
with duplex unit and
lower paper feeder

→ Completely multifunctional

Whatever you want to do in your office – printing, copying, scanning or possibly faxing – you will find it easier to accomplish it with the magicolor 1680MF and magicolor 1690MF!

These versatile all-in-ones impress with highly flexible media handling and let you print what you like. They process paper weights between 60 and 209 gsm, including thick paper, labels, envelopes, and recycled paper. You can create your own presentations, posters, signs and other sales support items with them; print double-sided leaflets; and for higher volumes extend the paper capacity with the lower paper feeder to a generous 700 sheets. Use the poster function for special effects, blowing up photos on 4, 9, 16 or up to 25 A4 sheets. For downsizing, use the n-up function to combine between two and up to 16 pages on a single sheet!

Different copy modes on the magicolor 1680MF and magicolor 1690MF ensure optimal quality and include a text, a photo and a mixed mode. Two separate start buttons allow instant copying in colour or b/w – simply press the appropriate one and start saving money!

Both the magicolor 1680MF and 1690MF offer convenient scanning to PC. In addition, the standard LinkMagic software provides easy access to the most frequently used scanning applications. Scan images with LinkMagic and save them to any directory on the hard disk of your computer. With its full network compatibility the magicolor 1690MF also lets you scan originals directly to e-mail or a shared folder on your PC.

On top, the magicolor 1690MF gives you the convenience of communication by fax. It boasts a fast transmission speed of just 3 seconds per page, has 220 speed dials and lets you define up to 20 groups with max. 50 stations each.

→ Ease of use

The magicolor 1680MF and magicolor 1690MF are both big on user comfort. With their compact design and small footprint, they are easily integrated into any office setting with limited space. Both feature a large, easy to read display and convenient access from the front for the straightforward exchange of consumables. The automatic document feeder on the magicolor 1690MF makes copying or faxing multi-page documents fast and smooth.

→ Quality and economy

Whether in colour or black & white – the magicolor 1680MF and magicolor 1690MF impress with their brilliant image quality. This is ensured with Konica Minolta's Simitri® HD polymerised toner, which adds clarity and definition to the tiniest detail. At the same time their toner save mode lets you reduce toner consumption and save costs for example for test prints.

→ Clean Planet programme for the environment

In the interest of environmental conservation, Konica Minolta strives to reduce the impact of its products at each stage of the product lifecycle. As one aspect the Clean Planet programme gives you the opportunity to recycle your used toner cartridges for free. Cartridges are recycled efficiently and cleanly, preserving precious resources. Returning the cartridges is quick, easy and completely free for you!

magicolor 1680MF 

magicolor 1690MF 





KONICA MINOLTA

Simitri HD
High Definition Polymerised Toner



Technical specifications

Print process

Print method
Desktop full colour, A4 laser beam

Print speed A4
Up to 20 ppm monochrome
Up to 5 ppm colour

First page out
14 seconds monochrome
23 seconds colour

Warm-up time
Average 30 seconds

Max. resolution
1,200 dpi x 600 dpi x 1 bit

Print volume
550 pages per month (average)

Print functions

Autozoom, N-up, poster mode, booklet, watermark, quality adjustment, overlay, collating

Copy process

Copy speed
Up to 20 cpm monochrome
Up to 5 cpm colour

First copy out
23 seconds monochrome
52 seconds colour

Copy resolution
600 dpi x 600 dpi x 1 bit

Copies
1–99

Zoom range
50–200% (by 1% step)

Copy functions
magicolor 1680MF: ID card copy
magicolor 1690MF: ID card copy, 2in1, collate, duplex copy

Scan process

Scan technology
CIS image sensor, flat bed

Scan speed
Up to 20 opm monochrome
Up to 3.3 opm colour

Resolution
600 x 600 dpi

Scan size
Max. A4, custom formats

Scan Modes
magicolor 1680MF: TWAIN scan
magicolor 1690MF: Windows WIA scan

magicolor 1690MF:

Scan-to-E-mail
Scan-to-FTP
Scan-to-USB
Scan-to-SMB
TWAIN scan
Windows WIA scan

File Formats
PDF, TIFF, JPEG

Fax process*

Send and receive with internal fax module

Modem speed

33.6 Kbps V.34

Transmit speed

3 sec/page (at V.34)

Fax compression

MH, MR, MMR, JBIG

Speed dial

220

Group dial

20 groups
(max. 50 stations for one group)

Fax functions

Receipt to e-mail, auto redial, broadcast (maximal 236 destinations), timer transmission, PC-Fax

Hardware and software capabilities

Memory
magicolor 1680MF: 64 MB
magicolor 1690MF: 128 MB

Interface support

magicolor 1680MF: USB 2.0 (high-speed)
magicolor 1690MF: 10-Base-T/100-Base-TX Ethernet, USB 2.0 (high-speed)

Operating system compatibility

Windows
2000, Server 2003 (32/64), XP (32/64), Vista (32/64)

Macintosh
OSX 10.2 or later

Paper handling

Standard paper input magicolor 1680MF, 1690MF & 1690MF-d
200 sheet multi manual feed tray

Standard paper input magicolor 1690MF-dt
200 sheet multi manual feed tray
500 sheet lower paper feeder

Standard paper output

100 sheet face down output tray

Optional paper handling
500 sheet lower paper feeder (only for magicolor 1690MF)

Media sizes supported
A4, A5, B5, letter, legal, envelope C6, envelope DL, custom size 92–216 mm x 184–356 mm

Duplex sizes supported
A4

Printable area
Approx. 4 mm from all edges

Paper weights
Plain paper (60–90 gsm)
Recycled paper (60–90 gsm)
Thick paper 1 (91–163 gsm)
Thick paper 2 (164–209 gsm)

Print media
Plain paper, recycled paper, envelope, labels, postcard, thick paper, letterhead

Physical

Dimensions (W x D x H in mm)

magicolor 1680MF:
405 mm x 427 mm x 375 mm

magicolor 1690MF:
405 mm x 427 mm x 432 mm

magicolor 1690MF-d:
405 mm x 451 mm x 493 mm

magicolor 1690MF-dt:
405 mm x 565 mm x 548 mm

Weight
magicolor 1680MF:
19.2 kg with consumables

magicolor 1690MF:
20.8 kg with consumables

magicolor 1690MF-d:
24 kg with consumables

magicolor 1690MF-dt:
26.3 kg with consumables

Electrical

Input voltage range

220 ~ 240 V (± 10%)

Frequency
50 ~ 60 Hz (± 3%)

Power consumption

410 W or less
(average colour printing)
560 W or less
(average monochrome printing)
170 W or less
(stand by)
14 W or less
(energy save mode)

Environmental

Temperature
10 ~ 35 °C

Humidity
15 ~ 85% RH

Noise levels
magicolor 1680MF:
50 dB or less printing/copying
38 dB or less standby

magicolor 1690MF:
49 dB or less printing
52 dB or less copying
38 dB or less standby

Regulatory/Safety conformity

Doc, CE Marking, GS, EMC, WEEE, Energy Star (magicolor 1690MF)

Consumables

Pre-installed

Toner:
Cyan, magenta and yellow toner yield up to 500 pages
Black toner yield up to 1,000 pages
Imaging Unit
(waste toner bottle included):
Monochrome yield up to 45,000 pages
Colour yield up to 11,250 pages

Replacements

Toner:
Standard: Cyan, magenta and yellow toner yield up to 1,500 pages
High capacity: Cyan, magenta, yellow and black toner yield up to 2,500 pages
Imaging unit
(waste toner bottle included):
Monochrome yield up to 45,000 pages
Colour yield up to 11,250 pages

Maintenance parts

Fuser unit
Yield up to 50,000 sheets

2nd transfer unit
Yield up to 50,000 sheets

Warranty period and conditions

1 year on-site warranty (within EU; local law applies)

* For magicolor 1690MF

- All specifications relating to paper capacity refer to A4-size paper of 80 gsm quality.
- All specifications relating to printing speeds refer to A4-size paper that is printed in multipage, simplex mode.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications, network protocols as well as network and system configurations.
- The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4). The actual consumables life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.
- Some of the product illustrations contain optional accessories.
- Specifications and accessories are based on the information available at the time of printing, and are subject to change without notice.
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