KONICA MINOLTA

magicolor 1680MF
magicolor 1690MF

Compact A4 colour laser all-in-ones

All-in-one 5/20 ppm

Compact all-in-one
A4 colour laser printers

The magicolor 1680MF and magicolor 1690MF are the ideal compact colour all-in-ones for a small office network or a single user. Much more affordable than separate devices, the four pre-configured models are sure to meet all your printing requirements in a single space-saving system. Both models are Windows and Mac compatible and with their low operating noise and small footprint they make ideal desktop 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

Easy to use and flexible, these all-in-ones are the ideal choice to produce and manage the diverse document and communication requirements of a small or home office. With their compact size, speed of five colour or 20 black and white pages per minute, and their comfortably low operating noise they are the ideal choice for small networks or single users. Four pre-configured models cater for every combination of requirements:

- For printing, copying and scanning choose the magicolor 1680MF.

- The magicolor 1690MF combines network printing, copying and scanning with a fax. It also features a standard Automatic Document Feeder (ADF) for effortless handling of originals.

- All this plus double-sided printing is offered by the magicolor 1690MF-d.

- The magicolor 1690MF-dt offers a comprehensive solution: network colour printer, copier, scanner and fax with double-sided printing, plus an extended paper capacity for high volume print jobs.

magicolor 1680MF
standard

magicolor 1690MF
standard

magicolor 1690MF-d
with duplex unit

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

→ Completely multifunctional

Whether you want to print, copy, scan or fax, you will find it easier to accomplish with the magicolor 1680MF and magicolor 1690MF.

These versatile all-in-ones impress with highly flexible media handling, enabling you to print what you require. They process paper weights between 60 and 209 gsm, easily handling thick paper, labels, envelopes, and recycled paper. You can create your own presentations, posters, signs and point of sale materials, print double-sided leaflets, and for bigger print jobs extend the paper capacity with a lower paper feeder to a generous 700 sheets. Use the **poster function** for special effects, enlarging images onto 4, 9, 16 or even 25 A4 sheets. For reducing paper, you can combine up to 16 pages onto a single A4 sheet.

Different copy modes on the magicolor 1680MF and magicolor 1690MF ensure optimal quality and include text-only, image-only and text-with-image modes. Two separate start buttons allow economical instant copying in colour or black and white.

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

The magicolor 1690MF brings you the convenience of communication by fax. It has a transmission speed of just 3 seconds per page, with 220 speed dials, and it lets you define up to 20 groups with a maximum 50 stations in each group.

→ Convenient to use

The magicolor 1680MF and magicolor 1690MF are designed with ease of use in mind. With their compact design and small footprint they are effortlessly integrated into any office setting with limited space. Both feature a large, easy-to-read display and convenient access from the front for straightforward replacing of consumables. The Automatic Document Feeder on the magicolor 1690MF makes copying or faxing multi-page documents fast and smooth.

→ Quality and economy

Whether printing in colour or black and white, the magicolor 1680MF and magicolor 1690MF impress with their brilliant image quality. This is achieved with Konica Minolta's Simitri ® HD polymerised toner, which produces vibrant colour and sharp definition in even the tiniest detail. At the same time the Toner Save Mode allows you to reduce toner consumption and save costs when printing drafts or internal documents.

→ Clean Planet programme for the environment

Konica Minolta takes the responsibility to the environment seriously, and strives to reduce the impact of its products at each stage of the product lifecycle. The Clean Planet programme gives you the opportunity to recycle your used toner cartridges for free. Cartridges are recycled efficiently, 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

Designed for
Microsoft®
Windows® XP
Windows® 2000

Mac   Universal

Works with
Windows
Vista™

CLEAN PLANET PROGRAM
Konica Minolta printer supplies return program

ProtectPack

ENERGY STAR

Technical specifications

Print process

Print method
Tandem full colour A4 laser printer

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
•
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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
Windows WIA scan

magicolor 1690MF:
Scan-to-Email
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

Duplexer 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
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):
Black yield up to 45,000 pages
Cyan, magenta and yellow 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):
Black yield up to 45,000 pages
Cyan, magenta and yellow 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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