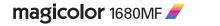KONICA MINOLTA

magicolor 1680MF
magicolor 1690MF
Your smart colour **all-in-one**

The magicolor 1680MF and magicolor 1690MF are Konica Minolta's compact colour all-in-ones and the perfect communication wizards for your home office or small business. Much more affordable than separate devices, each gives you everything you need in a single space-saving system. Both are Windows and Mac compatible, and thanks to their low operating noise are ideal desktop devices that you can comfortably work side by side with.

■ **Versatile configurations –** Select the system of your choice from four different configurations: The magicolor 1680MF provides printing, copying and scanning. The magicolor 1690MF combines network printing, copying, scanning, and fax capabilities and features a standard automatic document feeder. All this plus double-sided printing is available with the magicolor 1690MF-d. As a comprehensive network colour printer, copier, scanner and fax the magicolor 1690MF-dt also offers duplex plus an extended paper capacity for bigger jobs and higher volumes.

■ **Powerful printing –** With 5 colour and 20 b/w pages per minute, the magicolor 1680/1690MF capably handle all your office documents, including presentations as well as business cards, signs and sales support items. Simitri ® HD polymerised toner and the resolution of 600 x 600 dpi x 1 bit ensure a consistently high print quality. Flexible media processing includes paper weights between 60 and 209 gsm as well as thick paper, labels, envelopes, and recycled paper. Double-sided printing helps you save paper and reduces filing space. If you need to produce bigger volumes, simply extend the standard 200 sheet paper capacity with the lower paper feeder to a generous 700 sheets.

■ **Flexible copying and scanning –** Different copy modes for text, photos and mixed originals always ensure optimal quality. Two separate start buttons provide an instant choice between colour and b/w copying. You can flexibly select up to 99 copies and reduce or enlarge pages in convenient 1% steps from 50 % to 200 %. In addition to convenient scanning to PC, take advantage of the standard LinkMagic software to scan images and save them to any directory on the hard disk of your computer. With its full network compatibility the magicolor 1690MF also lets you can scan originals directly to e-mail or a shared folder on your PC.

■ **Extended capabilities –** For convenient fax communication, go for the magicolor 1690MF. 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. At the same time the magicolor 1690MF features Ethernet and is fully network compatible.

■ **High user comfor**t – The magicolor 1680MF and magicolor 1690MF are experts in ease of use. With their compact design and small footprint, they easily integrate into any office setting, even where space is limited. 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.

magicolor 1680MF   **magicolor** 1690MF   **All-in-one** 5/20 ppm

Technical specifications

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 *

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
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/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.
▪ Konica Minolta does not warrant that any prices or specifications mentioned will be error-free.
▪ Microsoft, Windows and the Windows logo are trademarks, or registered trademarks, of Microsoft Corporation in the United States and/or other countries.
▪ All other brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.

For extra information, go to www.konicaminolta.eu

Your Konica Minolta Business Solutions Partner: