LAUNCH PLAN
d-COPIA1801MF
d-COPIA2201MF
d-COPIA1801MF^{plus}
d-COPIA2201MF^{plus}

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olivetti

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1   General Information

Introduction and product concept

d-Copia 1801MF, **d-Copia 2201MF**, **d-Copia 1801MF plus**, **d-Copia 2201MF plus**, are the new names for the new A3 entry level monochrome MFP series with a speed of 18 ppm and 22 ppm. They are the second generation devices of the equivalent successful 18-22 ppm models launched in the second half of 2009, namely d-Copia 1800, d-Copia 2200, d-Copia 1800MF, d-Copia 2200MF.

Many are the improvements introduced in order to satisfy the request of an more demanding market as well as to maintain a good position vs the competition.

To maintain and increase the market share of in the entry level A3 monochrome segment the new series has adopted a new engine, which is capable to offer improved functionality under quite many points of view.

Printing and **color scan** are **standard features in all four models** of the new series. These functionalities are available **via network for the advanced models in combination with the optional network interface**. Furthermore the **operation noise is reduced, footprint is the smallest** in the category and the traditional reliability of the series is maintained thanks to its long life components.

With new up-dated features the new models target both growth and mature markets, where balance in price and functionality is important.

d-Copia 1801MF/2201MF/PLUS, the essential characterstics

Key Features at a glance:

> 18 ppm and 22 pages per minute in A4 format monochrome

> Up to 22 ipm scanning speed and up to 600 dpi scan resolution

> Standard printing and color scanning

> Selectable one-path duplex- and reversing-document processor

> Paper capacity, expandable up to 1,300 sheets

> Long-life components provide unprecedented efficiency and reliability

> Fax and network functions as option for advanced models

> Less power consumption

> 256MB standard memory

> GX driver for better control and overview

> Command Center RX functionality for advanced models

d-Copia 1801MF corresponds to Kyocera TASKalfa 1800
d-Copia 2201MF corresponds to Kyocera TASKalfa 2200
d-Copia 1801MF^{plus} corresponds to Kyocera TASKalfa 1801
d-Copia 2201MF^{plus} corresponds to Kyocera TASKalfa 2201

Specifications

BASIC SPECIFICATIONS

d-Copia 1801MF	simplex: 18 ppm A4, 8 ppm A3 / duplex: 11 ppm A4, 6 ppm A3
d-Copia 2201MF	simplex: 22 ppm A4, 10 ppm A3 / duplex: 11 ppm A4, 7 ppm A3
d-Copia 1801MF plus	simplex: 18 ppm A4, 8 ppm A3 / duplex: 11 ppm A4, 6 ppm A3
d-Copia 2201MF plus	simplex: 22 ppm A4, 10 ppm A3 / duplex: 11 ppm A4, 7 ppm A3

GENERAL	
Technology	Dry Electrostatic Transfer
Power source	AC 220 ≈240 V, 50/60 Hz
Engine Speed	1801MF: max. 18/8 pages per minute A4/A3 2201MF: max. 22/10 pages per minute A4/A3
Power consumption	Copying/printing: 421 W (1801MF), 450 w (2200MF), Stand-By: 63W, Sleep mode: 6,2 W
Warm-up time	less than 17,2 sec.
Recovery time from sleep	less than 11 sec.
Standard paper handling	Paper cassette (64-105 g/m^2): 1801MF/2201MF: 1x300 sheets Formats: A3, A4, A5, Ledger, Letter, Legal, Folio
	Multipurpose tray: (45-160 g/m2): 100 sheets Formats: A3, A4, A5, A6, Ledger, Letter, Legal, Folio, Custom (98x148 mm to 297x432 mm)
Maximum paper capacity	300 sheets x 4 cassettes + 100 sheets (MP tray)
Paper thickness from cassette	64-105 g/m2
Paper thickness from MP tray	45 - 160g/m2
Output paper capacity	250 sheets face down
Noise (ISO 7779/9296)	62db
Operation panel	B/W LCD screen 2 lines LCD 1801MF/2201MF - 5 lines 1801MFplus/2201MF
DIMENSIONS	
	565 X 527 X 485 mm (with platen)
Footprint	565 x 527 (MP tray closed)
	829 x 527 (MP tray open)
Weight	25 Kg. (27 Kg with platen)

| **PRINTER**	
CPU	ARM v5 base core equivalent, 500 Mhz
Memory	standard 128 MB
Time to first copy	less than 5.7 sec.
Print speed	1801MF: max 18/8 pages per minute A3/A4 - 2201MF: max 22/10 pages per minute A3/A4
Resolution	600x600 dpi optical (up to 2400 dpi)
Emulations	standard GDI (USB I/F)
Operating Systems	All current Windows operating systems, MAC OS X version 10,2 or higher, UNIX, LINUX
Interfaces	USB 2.0
Print Features	Print Box feature up to 10 destinations

COPIER	
Time to first copy	less than 5.7 sec
Continuous copying	1-999
Resolution	600 x 600 dpi
Copy speed	22/18 cpm
Max original size	A3
Greyscales	256 levels
Zoom range	25-400 % (in 1% step)
Exposure mode	Auto, manual: 7 levels
Image adjustments	Text + photo, text, photo
Copy features	ID Card copy functionality

SCANNER	
Scan mode	Color/monochrome/TWAIN scanner
Scan speed (mono)	22 ipm (300 dpi)
Scan speed (color)	6 ipm (300 dpi)
Scan resolution (mono)	600 dpi / 400 dpi / 300 dpi / 200 dpi
Scan resolution (color)	300 dpi / 200 dpi
Original recognition	Text, photo, text + photo and OCR
Maximum scan size	A3
Image format	TIFF / Pdf
Interface	USB device High Speed : 1
Scan functionalities	TWAIN scan via USB I/F (with Quick Scan Utility)
Supported File Format	Bitmap (BMP); JPEG; PNG; TIF; PDF; High Compression PDF, CCITT Group 4, Image Mask; JBIG2, Mask + Image Mask

FAX (available option only d-Copia 1801MF plus and d-Copia 2201MF plus)	
Transmission mode	Super G3
Compression Methods	MH, MR, MMR
Transmission speed	33,6 ÷ 2,4 Kbps Automatic Fall back
Transmission time (min.)	4 seconds or less MMR
Network fax transmission	Network FAX driver, Reception protocol: RAW, LPR

OPTIONS	
Platen cover	Type H cover
DP-480	Document processor reversing original feeder 50 sheets, RADF
PF-480	Paper cassette 300 sheets/1 cassette, max. 3 optional cassettes
DU-480	Sheet duplex unit 50 sheets
FAX System (X)	Network Fax Board (1801MF/2201MF plus versions only)
IB-33	Wired Network (1801MF/2201MF plus versions only)
Cabinets	2 versions: low and high

CONSUMABLES		
Toner cartridge	1801/2201MF/plus	First equipment toner: approx. up to 3.000 pages
		Standard toner: approx. up to 15.000 pages
Maintenance kit	1801/2201MF/plus	up to 150.000 pages

PRODUCT POSITIONING

The new Olivetti d-Copia 1801MF/2201MF, 1801MF plus/2201MF plus are the successor devices of d-Copia 1800/2200 and d-Copia 1800MF/2200MF which were launched in June 2009. The new series is based on the high reliability and durability of the previous series, which played a successfully role in our portfolio and managed to satisfy both our dealers and large account customers.

Target of the basic products is to provide a competitive price, to maintain the market share of the d-Copia 1800/2200 in those market where sales have traditionally been strong and represent an appeal model for the growing markets, where the demand of products in this segment is still quite strong. And by adding more functionality to the advanced models, d-Copia 1801MF/2201MF plus, play a role in keeping our market share in Western European market.

Each of the devices has a direct successor and the printing speed is maintained. This means the:
d-Copia 1801MF/1801MF plus with 18 ppm will be launched in the segment: 1-20 ppm
d-Copia 2201MF/2201MF with 22 ppm will be launched in the segment: 21-30 ppm

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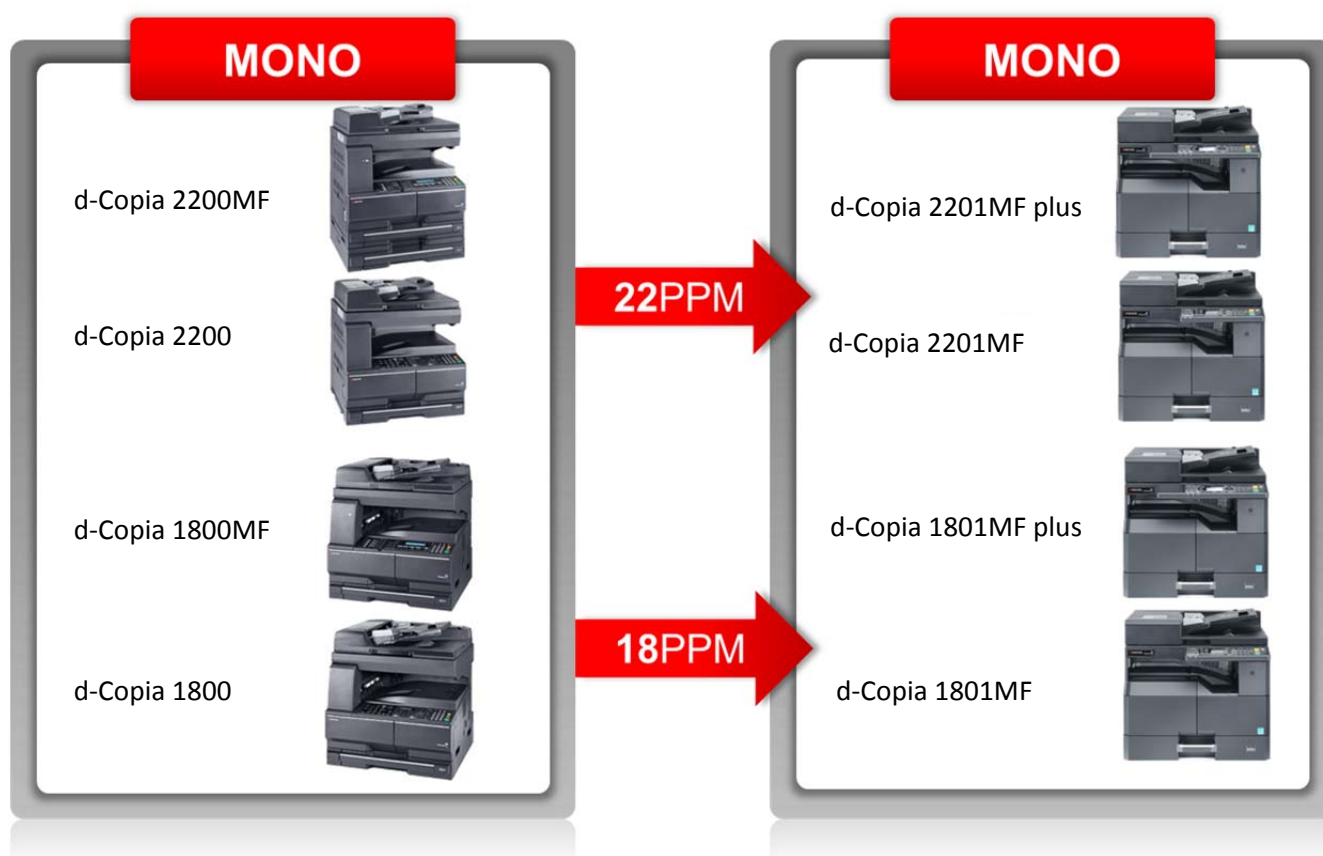
A3 monochrome line up

With new d-Copia 1801_2201 MF/plus series Olivetti is completing its renewed monochrome line up

Monochrome A3 MFP 18 : 85 cpm

2 Sales Strategy

Target market

West Europe A3 Monochrome MFP Market

The forecast for the A3 monochrome MFP segment shows a declining trend during the next years, that become more evident by approaching the end of the period under consideration, see graph below.

The CAGR (Compund Annual Growth Rate) of this period is **-7,80%**.

Units
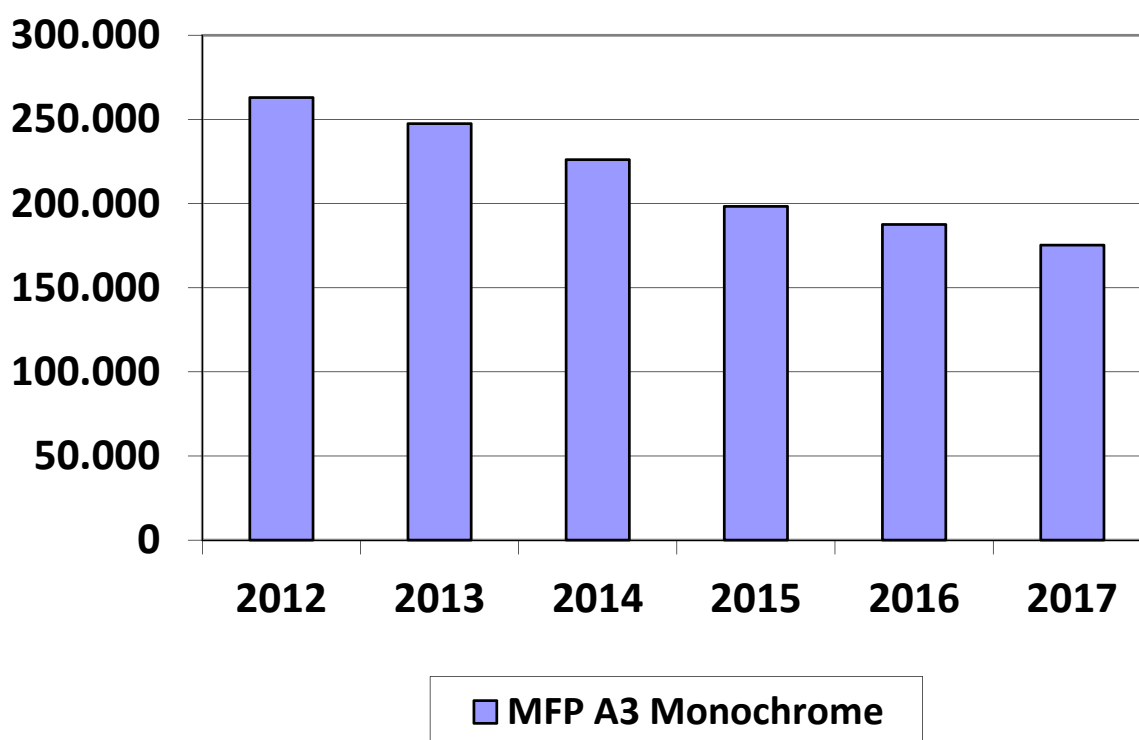
Source: Gartner

Sum of Units Shipment

Looking at the whole MFP market in Western Europe, the A3 monochrome MFP segment is the "thinner" among the others as far as the number of shipments is concerned, see following graph.

Units
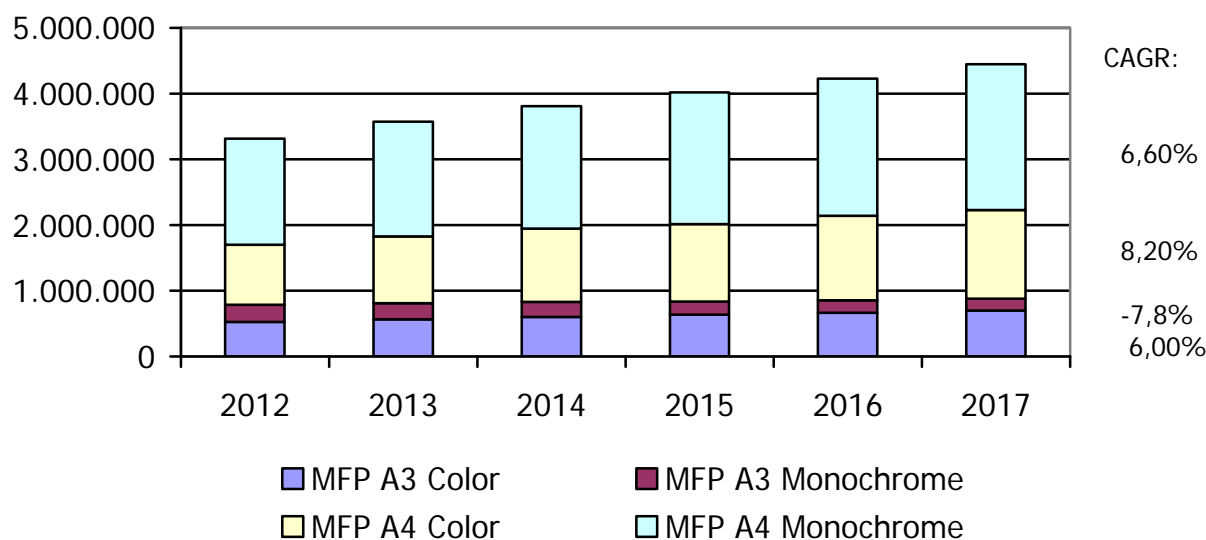
Source: Gartner

Sum of Users Spending

However, it must be noted that the A3 monochrome MFP remains one of the most appealing segments in terms of value, as a consequence of the high unit value. Moreover, this segment is very profitable in terms of return from consumables due to the high printing volumes that are produced.

Units

Source: Gartner

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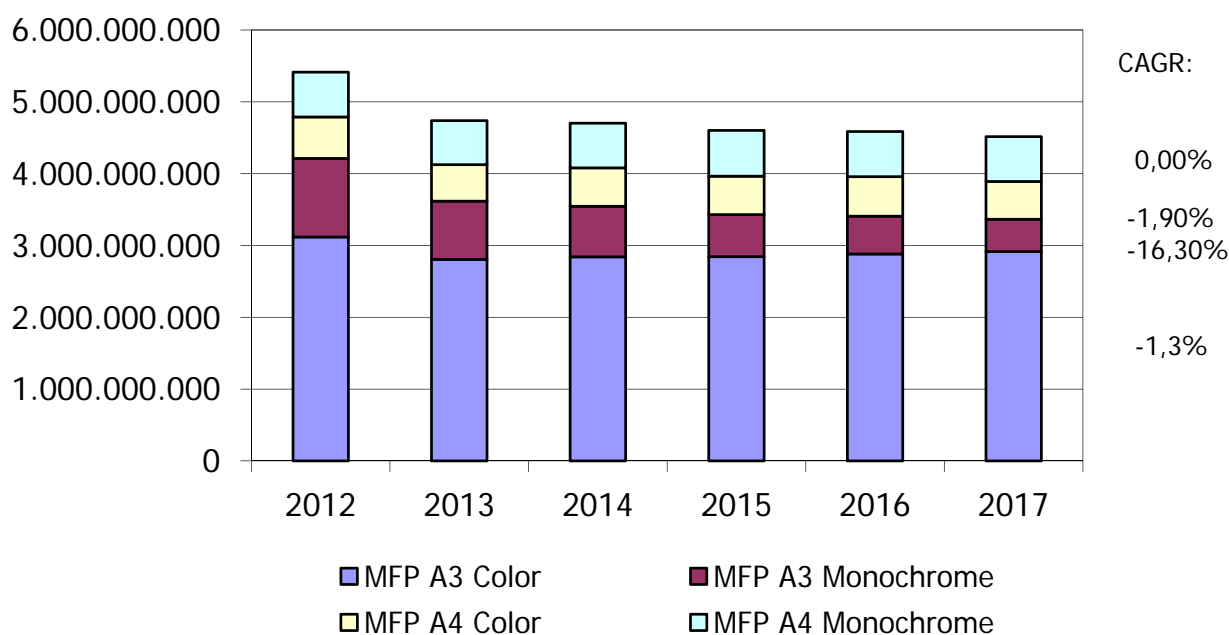
Middle-East & Africa A3 Monochrome MFP Market

In the Middle-East & Africa area the market is still forecasted to growth with a pace of **3,36%** from 2012 to 2016 (CAGR).
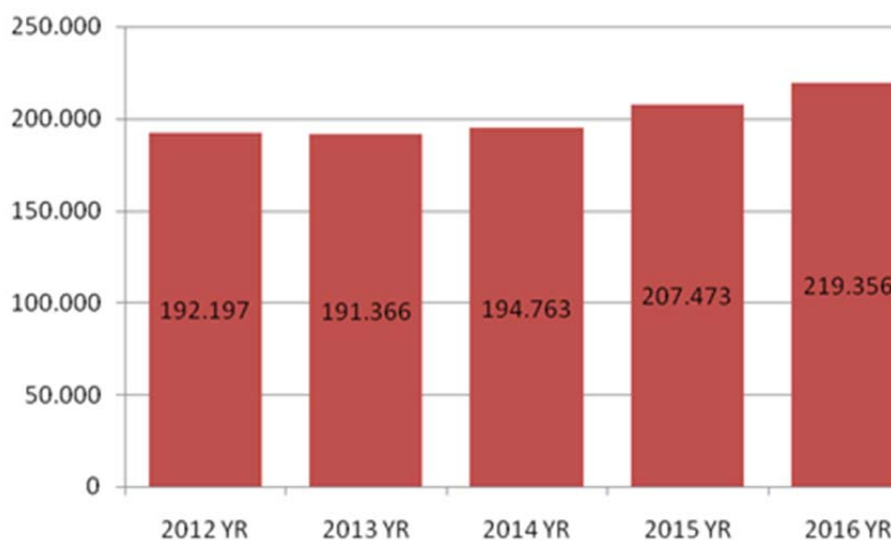
Source: Gartner

Eastern Europe A3 Monochrome MFP Market

In the Eastern European countries the A3 monochrome market is foreseen to follow the same kind of trend of the Western Europe but at slower pace, with a CAGR of **-2,89%** for the period under consideration.

Source: Gartner

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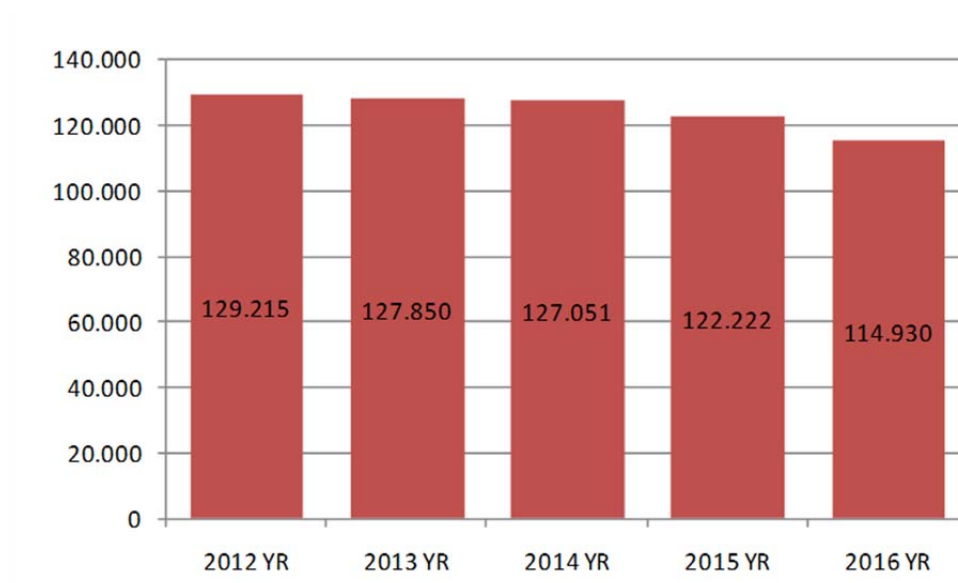
Target Customers

d-Copia 1801MF / 2201MF (Basic products) target users:

d-Copia 1801MF / 2201MF represent the replacement models of d-Copia 1800/2200. Target customers are both current users of the series as well as new customers who are establishing new small medium businesses. The target office segments are:

- Small office, typically small businesses that require a shared copier device
- In price sensitive markets: Small to Medium sized companies or smaller departments inside larger organization that require shared copiers.

Based on d-Copia 1800/2200 models, d-Copia 1801MF / 2201MF continues to offer reliability (durability) with a machine that doesn't break easily and requires minimal care and maintenance from both dealer and user side.

At fast copy times and fast print speeds of 18 and 22 cpm/ppm, the d-Copia 1801MF / 2201MF save users time and will not keep them waiting, even when the devices are shared by many users with high printing volumes. It achieves the **class top first copy time** of **5.7 sec**, so even when copying many small sets of single copies, the machine offers speedy output so that the user is not left waiting. In addition the duplex copy capability meets the demand of the corporate users to reduce the paper cost.

Thanks to the attractive and low initial machine cost, low TCS and competitive CPP through long-life technology, d-Copia 1801MF / 2201MF compete against competitors' models and meets requirements of both growing and mature markets.

d-Copia 1801MFplus / 2201MF plus (Advanced products)

Target users are:

- Within Small to Medium sized Enterprise or smaller departments inside larger organization which require a network purpose designed multifunctional device still keeping an eye on costs

d-Copia 1801MFplus / 2201MF plus are a replacement product for the d-Copia 1800MF and 2200MF. They target customers who want to consolidate all their office needs—including printing, copying, scanning and faxing—in a single MFP.

Based on d-Copia 1800MF/2200MF model, the new d-Copia 1801MFplus / 2201MF continue to offer reliability (durability) in a machine that does not break easily and requires minimal care and maintenance from both dealer and user side. High productivity is assured with fast copy and print speeds of 18 and 22 cpm/ppm.
Consolidating everything into a single MFP they offer the benefits of increasing office by reducing the number of devices. d-Copia 1800MFplus/2200MFplus are the most compact machines in their class. This is a strong point of appeal for potential customers who are considering consolidating all their needs into a single MFP. With the d-Copia 1800MFplus/2200MFplus, an easy-to-use MFP leads to improved productivity with a new GX DRIVER, offering improved operability and visibility.

The advanced products are addressing both growth and mature markets. They are targeted in particular for customer who need a network connectable device with fax option and who care about a correct price/functionality balance.
To meet the requested low price level all four products of the series are equipped with GDI printing capability.

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Target distribution channels

The **d-Copia 1801MF, 2201MF, 1801MFplus & 2201MFplus** will be distributed in **Western Europe** through the **Dealers** and **Direct Sales** channels, and outside **Europe** through **Distributors.**

Products Launch

The **d-Copia 1801MF and 2201MF** are foreseen to be launched from early **February 2013** with a phase-in/phase out process with the predecessors models **d-Copia 1800 and d-Copia 2200**.

The d-Copia 1801MF plus 2201MFplus are foreseen to be launched from April 2013 onwards with a phase-in/phase out process with the predecessors models **d-Copia 1800MF and d-Copia 2200MF**.

The complete stock run-out of the existing models is the condition for the launch of the new models to take place.

Products Road Map

The picture that follows shows the 2013 Road Map for the low range A3 MFP range models.
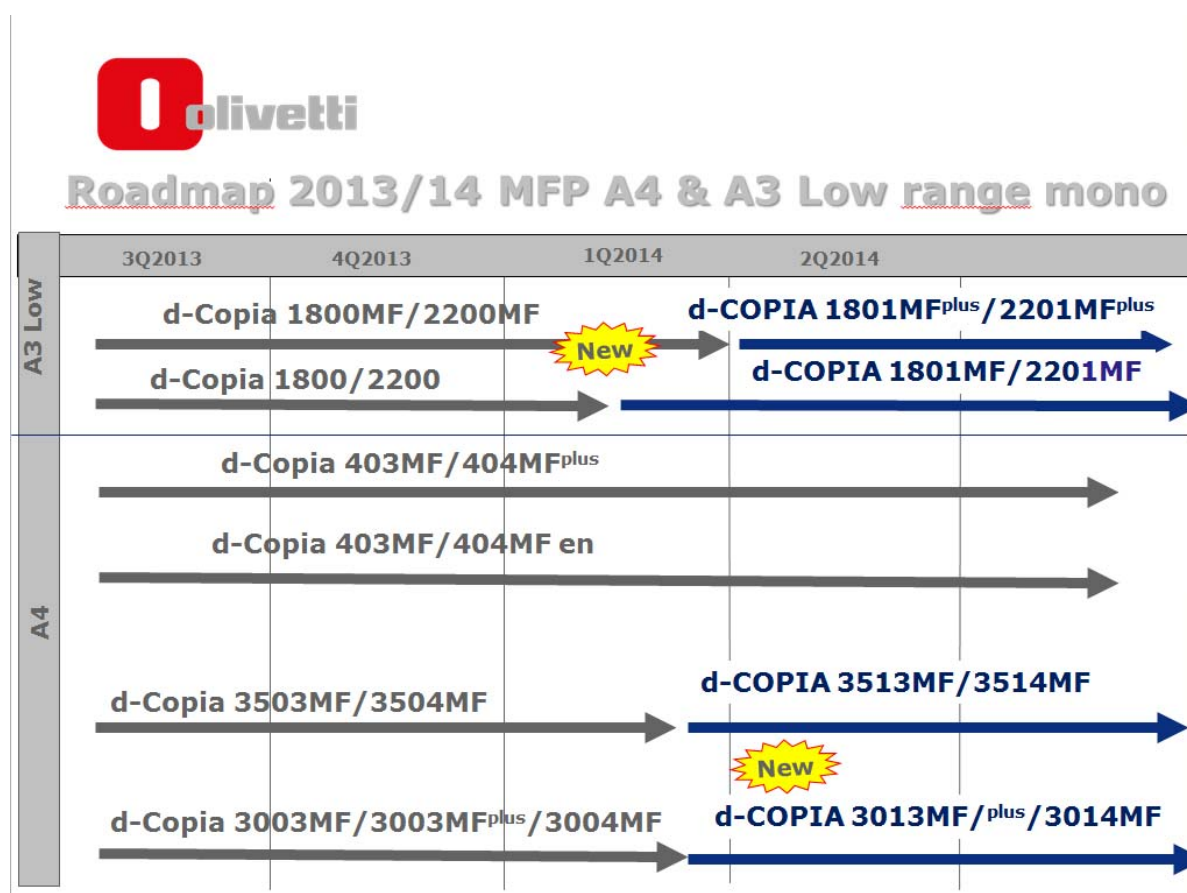
3 Sales points

The new d-Copia 1801MF/2201MF/PLUS exceed most of the Competitors models in the same market segment thanks to the following characteristics:

Long life technology

d-Copia 1801MF/2201MF/PLUS series is equipped with Kyocera's renowned Long Life Technology. With its Long Life Drum of 150K these multifunctional devices provide unprecedented efficiency and reliability, reduces costs, downtime and waste and are environmental friendly.

This technology enables us to maximize device "uptime" and offer considerable savings for the user during the life of the MFP. With a monthly print volume of 2K, drum replacement is not required for 6 years.

The extreme hard drum surface is adding increased protection from paper friction to achieve a drum life of 150K.
Kyocera's technology realizes an extreme hard coated surface for durability, while the coating is thin enough to realize excellent photosensitivity. This drum technology is just one of the contributors to high printing quality with this new series

	Olivetti d-Copia 1801/2201/MF/plus	Xerox WC 5021	Konica Minolta bizhub 195	Ricoh MP 2001L	Canon iR 2320
Toner Yield	15K	9K	12K	9K	14.6K
Maintenance Cycle	150K	80K	55K	60K	58K

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Compactness

Being entry level devices, compactness is one of the important aspects to consider, as space in office environments is always a pressing problem. This is especially the case for small and medium business users, who are the target customer of this series.

All four models of the 1801-2201 series have the same footprint of 565 x 527 mm, which is **up to 4% smaller** than previous 1800-2200 and **11% smaller than the 1800-2200MF** its predecessor series. With this size the device is only taking limited space while maintaining its functionality.
Footprint is up to **35% smaller than competitor's**

MF models	Previous models	Xerox	Konica Minolta	Ricoh	Canon
d-Copia 1801MF	d-Copia 1800	WC 5019	bizhub 185	MP 2001L	iR 2320
d-Copia 2201MF	d-Copia 2200	WC 5021			iR 2420
52,7 x 48,5 = **2556** cm²	56,8 x 54,6 = 3101 cm²	59,5 x 56,9 = 3386 cm²	60,6 x 53,1 = 3218 cm²	58,7 x 56,8 = 3334 cm²	62,2 x 63,8 = 3968 cm²

PLUS models	Previous models	Xerox	Konica Minolta	Ricoh	Canon
d-Copia 1801MF plus	d-Copia 1800MF	WC 5021D	bizhub 195	MP 2501L	iR 2520i
d-Copia 2201MF plus	d-Copia 2200MF		bizhub 215		
52,7 x 48,5 = **2556** cm²	56,8 x 58,8 = 3340 cm²	59,5 x 56,9 = 3386 cm²	57 x 57 = 3249 cm²	58,7 x 56,8 = 3334 cm²	56,5 x 68 = 3842 cm²

Usability

With its new designed easy-to-use, multi-button control panel the d-Copia 1801MF 2201MF 1801MFplus 2201MF plus offer simple and quick access to a multiple document management functions. The important functions of the device have their dedicated hard-key on the control panel. The advantage for the end user is the control panel functions and settings which are definitely easy-to-find as they are not hidden in menus but visible and quickly accessible with one button press.
Also features like Print Box and ID card copy have their own dedicated hard-keys for easier usage.

The control panel is equipped with an LCD user display – 2 lines in case of basic and 5 lines in case of advance models. The display is used for navigation through the menus for more advanced settings and also for display of operation instructions or error messages.

Control panel of d-Copia 1801MF / 2201MF

Control panel of d-Copia 1801MF plus / 2201MF plus

The left part of the advanced panel has a reserved space for the fax operation hard-keys in case the Fax Card is installed.

d-Copia 1801MF, 2201MF, 1801MFplus and 2201MFplus are the first models adopting the new color blind friendly key panel with the "**Aqua" color start key**, making the operator interface become more distinguishable and clear to manage for a color blind person.

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Environmental friendliness

Energy Saving with up to 47% lower TEC values

To reduce environmental impact a totally new engine has been developed which makes this new A3 series much more energy-efficient than its predecessor.

The d-Copia 1801MF, 2201MF, 1801MFplus and 2201MFplus series has reduced TEC values on all models; the energy consumption is strongly reduced and the devices are compliant to the latest environmental international standards such as **Energy Start 2.0**, der **Blauer Engel 2014 based on the 2012 RAL-UZ 171** measurement procedure.

TEC stands for Typical Electricity Consumption, and is a standard value used to compare different devices in terms of power consumption while using them typically.

Typical electricity consumption (Wh/week)
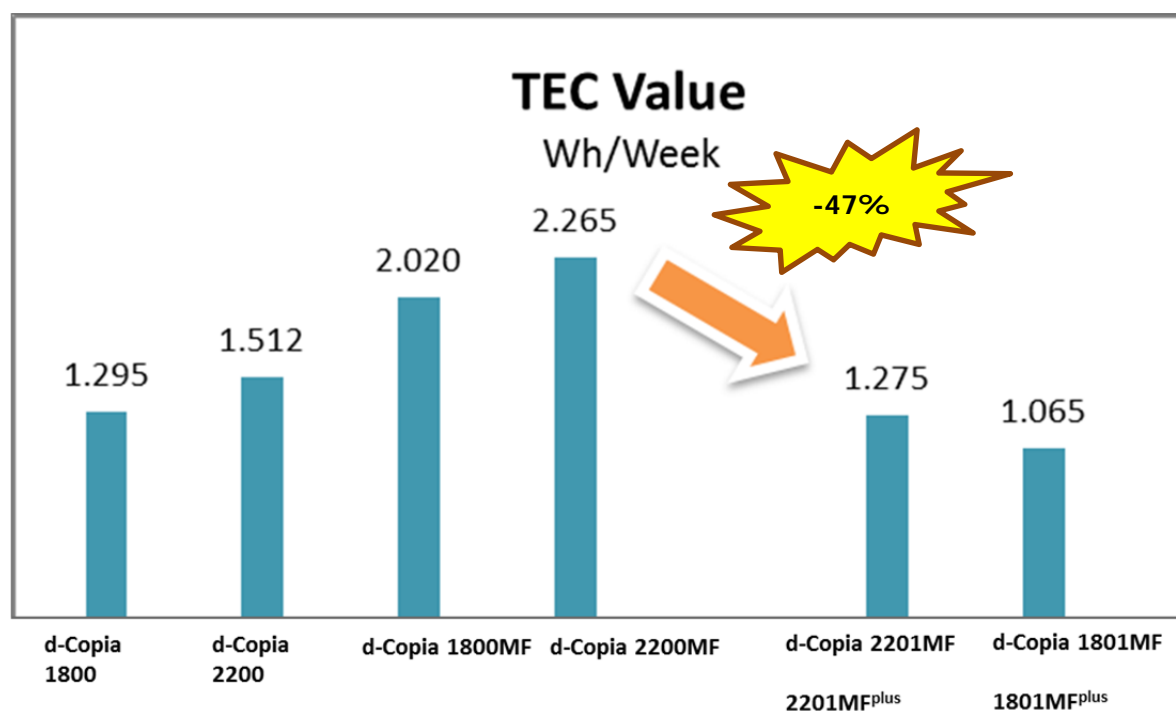
Wh / week	d-Copia 1800/1801MF	d-Copia 2200/2201MF	d-Copia 1800MF/1801MFplus	d-Copia 2200MF/2201MFplus
Current	1,295	1,512	2,020	2,265
New	1,065	1,275	1,065	1,275
Reduction	17%	15%	47%	43%

ID Card Copy Function

The ID Card Copy Function is a copy function for combining both sides of a proof of identification, drivers license or other type of identification card into one side of a sheet of paper. d-Copia 1801MF,2201MF and PLUS series has an ID Card Copy function. Compared to its predecessor, the new models have a hard key in the operation panel combined with a LCD dialog in the LCD screen, for more convenient operation compared to competitors.
In the previous models there was actually no dedicated ID card copy key, therefore the customer had to use a program key developing over 7 steps on the operation panel.

The improvement in d-Copia 1801/2201MF/plus series compared to its predecessors consists of having the ID Card Copy hard key for this function directly on the control panel. This makes it easier and faster to use and reduces miss-operation possibilities: ID card copy can be performed in just 4 steps!

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Scan Productivity

For customers with document archiving needs the d-Copia 1801MF,2201MF and PLUS series offers fast class scanning performance with up to 22 ipm available with the optional reverse document processor DP-480.

Scanning is **standard** and it is in **colour**, which is a key difference versus the predecessor series.

The reverse document processor DP-480 has a capacity of 50 sheets and can scan paper media from A6R to A3 (Ledger) and weight from 45 to 105 gr. The maximum scanning speed is 22 images per minute.
Furthermore TWAIN scan is available over network (for advanced models when IB-33 installed). Network TWAIN scan is a feature which is usually available in higher segments. With it on-board the devices from the d-Copia 1801MF, 2201MF and PLUS series are perfect for shared office use.

Color Scan as Standard

Color scanning is standard for all four machines of the series. With scanning formats from A3 down to A5R from the document processor DP-480 the d-Copia 1801MF,2201MF and PLUS series covers a very wide range of all office documents.

Scanning is performed via TWAIN and WIA protocols. TWAIN scanning is also possible over network, in case of the advanced models with the IB-33 installed. In this way the scanning functionality of the device and also be shared among the users. This is important as document archiving is growing in volume and shared scanning is a trending requirement in the office environment.

Furthermore Scan to E-mail and Scan to Folder functions have been added for more scanning flexibility. Both functions have to be activated via the Control Panel.

Scan Speed **Simplex**		Monocrome		Color
		2 Values	Greyscale	
600dpi	USB	22ipm	-	-
	N/W (100Base)	22ipm	-	-
300dpi	USB	22ipm	6ipm	6ipm
	N/W (100Base)	22ipm	12.9ipm	4.3ipm

Scan Speed **Duplex**		Monochrome		Color
		2 Values	Greyscale	
600 dpi	USB	8ipm	-	-
	N/W (100Base)	8ipm	-	-
	N/W (10Base)	8ipm	-	-
300dpi	USB	8ipm	6ipm	6ipm
	N/W (100Base)	8ipm	6ipm	4.3ipm

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GDI printing as standard

Printing is standard for all the four models of the d-Copia 1801/2201MF/PLUS series. It is performed via host based (GDI) technology. The main characteristic of host based printing is that all the processing is done on the PC side and the ready page is sent to the device only to be printed.

The advantage is particularly remarkable in case of complex data, where it is processed by the computing power of the PC, which is in most cases much faster than any MFP could process it.
Printing is also available via network when the IB-33 interface is installed in the "PLUS" models.

Print Box function

The Print Box function prevents to mix printing jobs between users when sharing the device. The concept is the same as private print, however the difference is that in case of private print the job is physically saved on the MFP and in case of print box it is saved on user's PC.

The Print Box works in the following way. The user is first selecting print box function from the driver, when configuring the print job. Then, after starting the print job, the user has to press the Print Box button on the MFP control panel to start the printing process. Until the button on the MFP is not pressed the printing does not get started. In the meantime, the job is saved on the PC side, so no memory is occupied on the MFP side.

Print Box can be used by up to 10 different users on the basic models (d-Copia 1801MF/2201MF) and up to 30 on the advanced ones (d-Copia 1801MFplus/2201MFplus), who can print at the same time and call their print jobs at the MFP side when pressing the dedicated button on the MFP control panel.

Furthermore a password protection also can be used.

The advantage of Print Box is particularly evident when the device is shared and the print-jobs of the user are not mixed, unordered or incomplete. Also sensitive company material can be printed on this device as password protection is available.

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New GX DRIVER

The GX driver is designed especially for the GDI embedded models. The driver is a simple device interface which is processing the images directly on the user PC, without using printer emulations. By utilizing the full power of the PC it is possible to achieve high print speed without the need of a very powerful print controller.

The user is taking advantage by the processing power of the PC. The driver is sending the processed and ready to print image over the interface to the printer. In this way, no processing on the printer side is necessary.

The GX driver is simpler than the KX driver, however offering most of the basic settings and the same layout. More complex settings such as Private Print, Job Hold, Prolog / Epilog are not supported.

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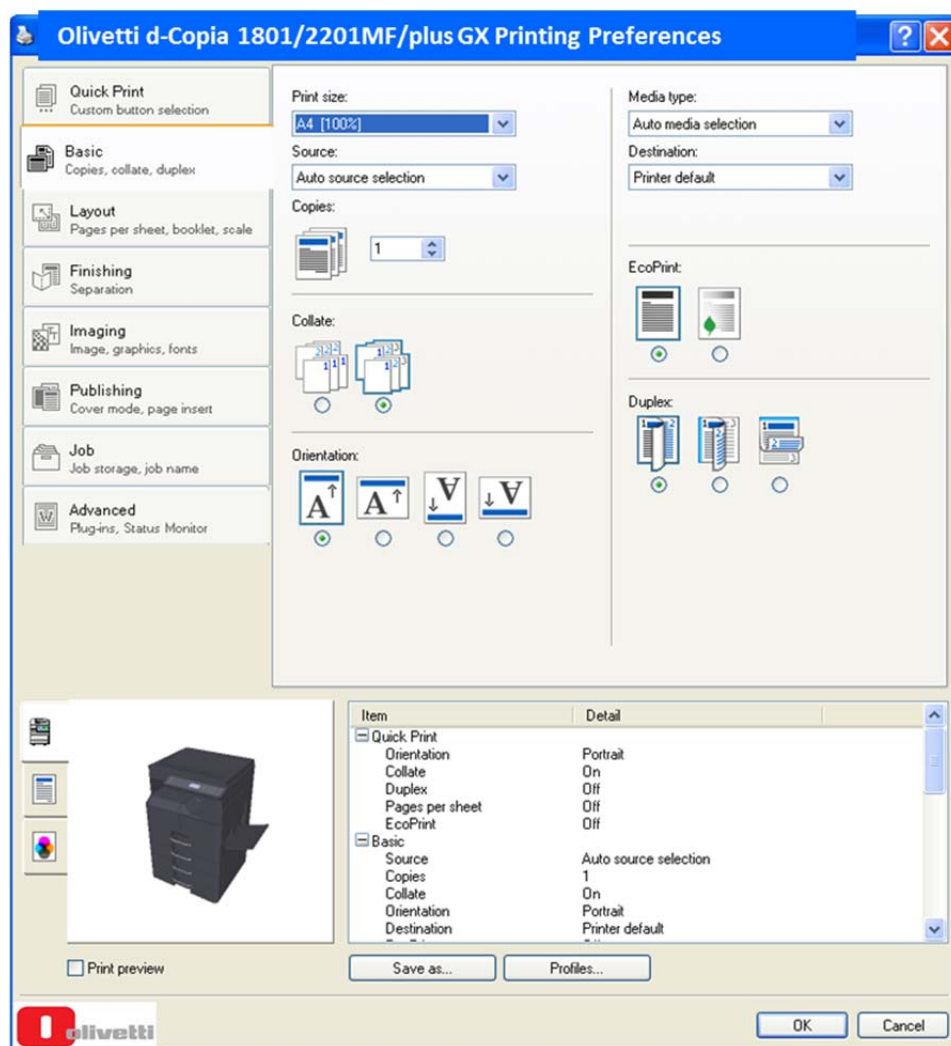
Large Paper capacity and Media flexibility

Additional paper cassettes give our multifunctional devices a paper supply of up to 1,300 sheets with up to 5 media types at the same time. So the customer saves time and effort when printing large print runs or has multiple print jobs which require different paper to be printed on.

	d-Copia 1801MF d-Copia 2201MF d-Copia 1801MF plus d-Copia 2201MF plus	PF-480
Paper Capacity	1 x 300 + 100-sheet	3 x 300 sheet
Max.Paper Size	Cassette: A3 MPT: A3	A3
Paper Weight	Cassette: 64-105 g/m²	64-105 g/m²
	MPT: 45-160 g/m²	

Maximize the media capacity by combining unit enhancements

400 sheets standard   **1,300** sheets with 3x PF-480

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Grip of the cassette

The grip of the cassette is also designed with usability in mind. The user has a handle to grasp the cassette and pull it out when adding new paper.

The advantage of the full hand grip is the user applies much less strength to pull out the cassette, instead if he had only a few fingers as it is with most of the competitor paper cassettes.
The grip is particularly useful, when the cassette is at the bottom and is even harder to reach and pull open. Maybe small, still very efficient details!

Olivetti d-Copia 1801/2201MF/PLUS

Xerox WC 5019

Multi access function

Individual job data for print, copy, scan or fax (in "PLUS" models) can now be processed in parallel, which results in shortening the overall processing time. Furthermore, it is possible to pause the current print job, even while actually printing to give priority for more urgent print jobs. This creates efficient workflows with short waiting time.

New programmed Command Center RX

The Command Center RX was completely new programmed from scratch to make sure to meet the requirements of an up to date solution device. For example the administrator can setup the d-Copia 1801/2201MF/PLUS devices completely via network.

Also improved is the auto refreshing panel indication in order to keep users and administrators always up to date regarding the device status. It provides information on device status e.g. toner levels, paper availability and further more to all users when required.

Controller

Utilizing the new controller ARM v5 base core equivalent, 500 MHz, the 1800/1801/2200/2201MF7PLUS series achieves high speed image processing and operating.

The new devices increase productivity compared to predecessors as the **RAM memory** is increased **from 32MB** to **256MB** and the **CPU speed** increased from **150MHz** to **500MHz** in the basic version.

This results in faster job processing and lower power consumption.

First Print time

With a speedy first Print Time of only **5.7 seconds** the d-Copia 1801/2201 MF/plus series maintains the fast first print time of the predecessors and the lowest first copy time in its range.
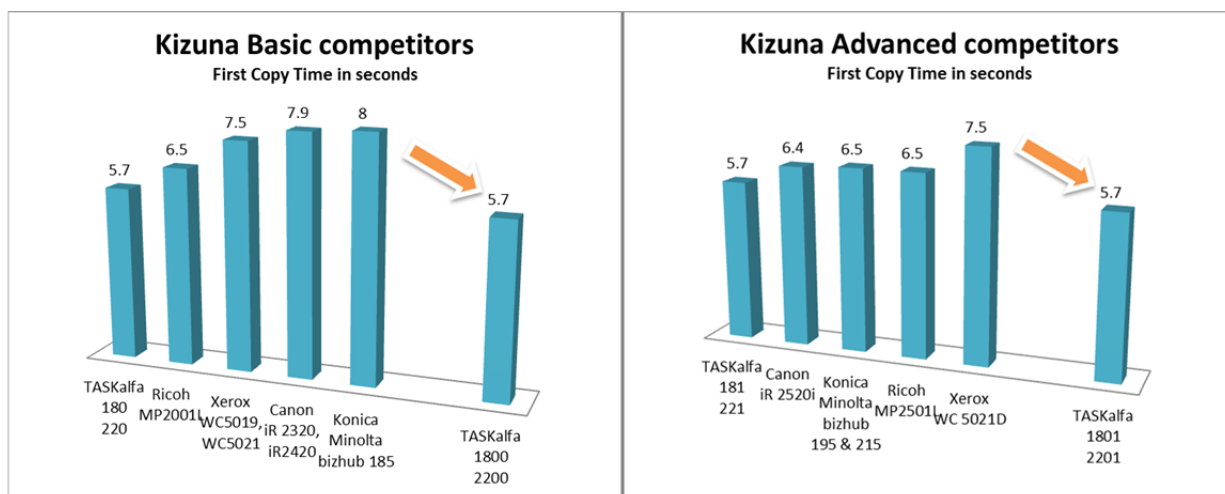
Duplex Productivity

With the optional DU-480 in the d-Copia 1801/2201 MF/plus series duplex printing can be performed.

With a wide range of A3 to A5R and duplex productivity of up to 60.6% the d-Copia 1801MF plus and 2201MF plus advanced models can fulfil the performance requirements even of the most demanding office environments.

Scan-once-print-many

With Scan-Once-Print-Many, originals are scanned only once, converted to digital images and then reproduced in up to 999 sets.

Rotation sort

Multiple originals can be scanned into memory in a single operation, and then the required number of copy sets can be created. The result is each set is already sorted by page number, and this saves time as it does not have to be done manually by the user.

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Layout mode

With this mode, the images from either 2 or 4 originals can be reduced and then combined onto a single copy.

Duplex copying

Copies of both sizes can be made from spread originals, and double-sided printing also helps to reduce cost.

EcoPrint Mode

d-Copia 1801/2201 MF/plus series uses **EcoPrint mode**, which is designed to save toner consumption. In EcoPrint mode, toner consumption is reduced by approximately 30% while maintaining an output quality more than sufficient for normal daily copying.

EcoPrint mode is very effective for reducing toner consumption, when copying in-house documents or drafts that have a high coverage ratio.

Mode Program Key

d-Copia 1801/2201MF can register 4 and d-Copia 1801/2201MF PLUS can register 10 simple copy job settings, such as mixed inch/metric copying, duplex copying and rotate sort.

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4. d-Copia 1801/2201MF vs 1801/2201MFplus specifications and configuration

The table that follows compares main specifications and possible configurations of the MF basic models d-Copia 1801MF / 2201MF versus the MF PLUS versions, 1801MFplus / 2201MFplus

Print / Copy function			d-Copia 1801MF	d-Copia 1801MF plus	d-Copia 2201MF	d-Copia 2201MF plus
Type			Desktop			
Copy speed (A4/A3 monochrome)			18 ppm		22 ppm	
Warm up time			17.2 seconds			
Print speed			18 ppm		22 ppm	
First print time A4			5.7 seconds or less			
Resolution			Multi-bit technology for print quality of 600 dpi x 600dpi			
Emulation			Hostbased (GDI)			
Paper feed			Type (standard)			
Paper feed Resolution	Capacity (standard)		1 drawer + multipurpose tray			
	Capacity (max)		(80 g/m^2) 1 x 300 sheets + 100 sheets			
	Size		1.300 (4 x 300 + 100)			
	Size Paper weight	Drawer	A5R – A3			
		MPT	A6R – A3			
	Paper weight Print	Drawer	64 - 105 g/m²			
		MPT	45 - 160 g / m²			
Resolution Memory	Copy		Fast 1200 (600 x 600 dpi)			
	Scan		600 x 600 dpi			
	RAM Stand./Max.		600 dpi x 600 dpi			
Zoom	25 - 400% by 1% steps		256 MB			
Maximum copy			999			
Duplex function			Option			
Print function			Standard			
Scan function			Standard in color			
FAX function			N/A			
External dimension (WxDxH)			565 x 527 x 485 mm (with platen)	**Option**	N/A	**Option**
Weight			26 kg including toner container			
Operation panel			Keypad			
CPU			ARM v5 base core equivalent, 500Mhz			

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Host interfaces	Hi-Speed USB 2.0
Optional interfaces	N/A

Colour Scanner		d-Copia 1801MF	d-Copia 1801MF plus	d-Copia 2201MF	d-Copia 2201MF plus
Scan speed with DP-480 (300dpi/A4)	Single Scan	B/W 22 ipm, Colour 14 ipm			
	Dual Scan (reverse)	B/W 8 ipm, Colour 6 ipm			
Scan mode		Colour, Greyscale, Black & White			
Resolutions	Monochrome	600dpi, 400dpi, 300dpi, 200dpi			
	Colour	300dpi, 200dpi			
File format		TIFF(MMR/JPEG compression), PDF (MMR/JPEG compression/High Compression PDF) , JPG, BMP			
Send method		PC, Email, TWAIN, WIA Scan			

FAX function: Fax System(X)	Option only for advanced models: d-Copia 1801MF plus / 2201MF plus
Transmission mode	Super G3
Compression method	MH, MR, MMR, JBIG
Network FAX function	Standard
Internet FAX function	Not available

Platen Cover type E	Option for all models 1801MF/2201MF/PLUS

DP-480	Option for all models 1801MF/2201MF/PLUS
Original size	A3 max., A5-R min.
Type	Reverse type Document Processor
Capacity	Stack capacity 50-sheet A4 size 50÷80 g/m²
Paper weight	45÷160 g/m² simplex, 50÷120 g/m² duplex
Original size	A3 max., A5-R min.

Duplex Unit: DU-480	Option for all models 1801MF/2201MF/PLUS
Paper Size	A5R – A3
Paper thickness	64 to 105 g/m²
Paper capacity	50 (80 g/m²)
Size (W x D x H)	375 x 60 x 220 mm
Weight	1 kg

Paper Feeder: PF-480	Option for all models 1801MF/2201MF/PLUS
Paper Size	A5R – A3
Paper thickness	64 to 105 g/m²
Paper capacity	300 (80 g/m²)
Size (W x D x H)	565 x 520 x 148.5 mm
Weight	6 kg

IB-33	Option only for advanced models: d-Copia 1801MF plus / 2201MF plus
Board for connection of the devices to LAN point	

CONSUMABLES	d-Copia 1801MF/2201MF & 1801MFplus/2201MFplus
Toner cartridge 1801/2201MF/plus	First equipment toner: up to 3.000 pages approximately
	Standard toner: up to 15.000 pages approximately (packaging includes 2 waste toner boxes) with 6% coverage
Maintenance kit 1801/2201MF/plus	Up to 150.000 pages, including drum unit, development unit, fixing unit and separation belt unit

CABINETS	d-Copia 1801MF/2201MF & 1801MFplus/2201MFplus
Copystand low	Size: 570 x 490 x 340 mm
Copystand high	Size: 570 x 490 x 550 mm

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4.1 d-Copia 1801MF/2201MF v/s d-Copia1800/2200

The table that follows compare the charactersitics of the **d-Copia** 1801MF/2201MF with its predecessor models

		d-Copia 1801MF / 2201MF	d-Copia 1800 / 2200
Print Speed (A4, Mono)		18/22 cpm	18/22 cpm
Copy Speed (A4, Mono)		18/22 ppm	18/22 ppm
Max. Scan Speed (b/w, Color)		22 ipm, 14 ipm	N/A
First Print Time (without DP)		5.7 seconds	5.7 seconds
Warm Up Time		17.2 seconds	17.2 seconds
Controller			
CPU		ARM v5 base core equivalent	ARM946-S
		500 MHz	150MHz.FlexRISC
Memory / HDD		256 MB RAM	32 MB RAM
Optional network interface		N/A	Network via USB interface when IB-110 is installed
USB interfaces		USB 2.0 (1 port)	USB 2.0 (1 port)
direct printing from USB		YES	N/A
Memory card interface		N/A	N/A
Wireless interface		N/A	N/A
Paper Handling			
Paper Capacity	Standard	300+100	300+100
	Max.	1,3	1,3
		(300x4+100)	(300x4+100)
Paper Thickness	Cassette	64 - 105 g/m2	64 - 105 g/m2
	MPT	45-160 g/m2	45-160 g/m2
Max. Cassette Paper Size		A3	A3
Custom Paper size		Yes: enabling users to select standard and custom sizes according to their needs. Available only with manual feeding	A3,A4R,A5R,A4,B4,B5R,B5,Ledger,Legal, Letter, LetterR, Statement, Statement, Folio, Oficio2, 8K/16K, custom1/2]
Tab paper printing (MPT)		N/A	N/A

Usability		
LCD display	2 lines	2 lines
Print Box functionality	Yes	N/A
ID copy functionality	Yes	N/A
Command Center RX	Yes	N/A
Card Reader Holder (Opt.)	N/A	N/A
Scan Features		
Color Scan	Yes	N/A
Document Processor	Platen Cover H	Platen Cover E
	50 sheet RADF - DP-480 (Option)	50 Sheet DP-420 (Option)
Scan Size from DP	A5R to A3	A6R to A3
Fax Features		
Direct SMTP (Internet Fax)	N/A	N/A
Yield, lifetime		
Toner Yield (6% coverage, continuous printing)	15K	15K
Drum Yield	150K	150K
Machine design life	300K	300K
Environmental information		
TEC value	1.065/1.275 Wh/week	1.279/1.474 Wh/week
Noise in operation mode	62dB	66,7 dB
Printing / Copying	385W / 415W	424W / 437W
Sleep mode	Recovery	75/76 W	60W
Recovery time from sleep	11 seconds	17,2 seconds
Priority	Energy Saving	1.54W	2.6W
Energy Star compliant	Yes (2013 Tier3)	Yes (2009)
Blue Angel compliant	Yes	No

4.2 d-Copia 1801MFplus/2201MFplus v/s d-Copia1800MF / 2200MF

The table that follows compare the charactersitics of the d-Copia 1801MF plus /2201MF plus with its predecessor models

		d-Copia 1801MF / 2201MF plus	d-Copia 1800MF / 2200MF
Print Speed (A4, Mono)		18/22 cpm	18/22 cpm
Copy Speed (A4, Mono)		18/22 ppm	18/22 ppm
Max. Scan Speed (b/w, Color)		22 ipm, 14 ipm	N/A
First Print Time (without DP)		5.7 seconds	5.7 seconds
Warm Up Time		17.2 seconds	17.2 seconds
Controller			
CPU		ARM v5 base core equivalent	PowerPC 440
		500 MHz	500 MHz
Memory / HDD		256MB RAM	128 MB RAM
Optional network interface		10BASE-T/100BASE-TX	10BASE-T/100BASE-TX
USB interfaces		USB 2.0 (1 port)	USB 2.0 (1 port)
direct printing from USB		YES	N/A
Memory card interface		N/A	I/F (1 port)
Wireless interface		N/A	N/A
Paper Handling			
Paper Capacity	Standard	300+100	300+100
	Max.	1,3	1,3
		(300x4+100)	(300x4+100)
Paper Thickness	Cassette	64 - 105 g/m2	64 - 105 g/m2
	MPT	45-160 g/m2	45-160 g/m2
Max. Cassette Paper Size		A3	A3
Custom Paper size		Yes: enabling users to select standard and custom sizes according to their needs. Available only with manual feeding	A3,A4R,A5R,A4,B4,B5R,B5,Ledger,Legal, Letter, LetterR, Statement, Statement, Folio, Oficio2, 8K/16K, custom1/2]
Tab paper printing (MPT)		N/A	N/A

Usability		
LCD display	5 lines	4 lines
Print Box functionality	Yes	N/A
ID copy functionality	Yes	N/A
Command Center RX	Yes	N/A
Card Reader Holder (Opt.)	N/A	N/A
Scan Features		
Color Scan	Yes	N/A
Document Processor	Platen Cover	Platen Cover
	50 sheet RADF - DP-480	50 sheet DP-420
Scan Size from DP	A5R to A3	A6R to A3
Fax Features		
Direct SMTP (Internet Fax)	N/A	N/A
Yield, lifetime		
Toner Yield (6% coverage, continuous printing)	15K	15K
Drum Yield	150K	150K
Machine design life	300K	300K
Environmental information		
TEC value	1.065/1.275 Wh/week	1924/2157 Wh/Week
Noise in operation mode	62dB	66,7 dB
Printing / Copying	385W / 415W	421W / 450W
Sleep mode	Recovery	75/76 W	63 W
Recovery time from sleep	11 seconds	17,2 seconds
Priority	Energy Saving	1.54 W	6.2 W
Energy Star compliant	Yes (2013 Tier3)	Yes
Blue Angel compliant	Yes	No

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5 - Products composition & codes
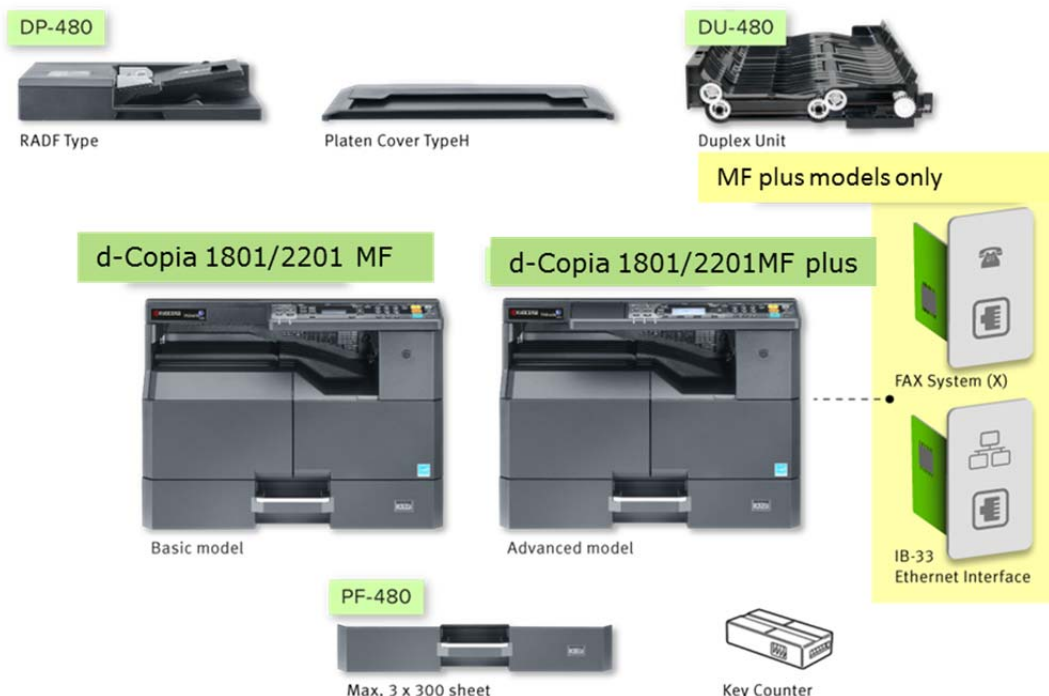
BASIC UNITS		RANDOM CODE	notes
d-Copia 1801MF		B4538	
d-Copia 2201MF		B4540	
d-Copia 1801MF plus		B4539	
d-Copia 2201MF plus		B4541	
OPTIONS	DESCRIPTION		
Platen cover	Type H cover	B4542	in place of DP-480
DP-480	Document processor reversing original feeder 50 sheets, RADF	B4543	in place of Platen Cover type H
PF-480	Paper cassette 300 sheets/1 cassette, max. 3 optional cassettes	B4544	
DU-480	Sheet duplex unit 50 sheets	B4545	
FAX SYSTEM (X)	Network fax board (PLUS versions only)	B4546	
IB-33	Wired network (PLUS versions only)	B4547	Two slots (eKUIO) are available for Fax System (X) and IB-33
Copystand 1801MF/2201MF/plus (high)	Copystand high	B4702	with 1 or 2 paper trays Copystand high would be recommended
Copystand 1801MF/2201MF/plus (low)	Copystand low	B4701	with 3 or 4 paper trays Copystandlow would be recommended
CONSUMABLES			
Toner cartridge 1801MF/2201MF/plus (15k)	first equipment toner: up to 3,000 pages approx	B1082	
	standard toner: up to 15,000 pages approx		
Maintenance kit 1801MF/2201MF/plus (150k)	up to 150,000 pages	B1083	

Package of basic units

Contents

The basic unit is delivered in a carton box containing the following items:

- Basic unit d-Copia 1801MF/2201MF/1801MFplus/2201MFplus are equipped with starter cartridge toner (3.000 prints), drum (full capacity 150,000 prints) and waste toner box;

- European power cord;

- Control panel labels in 8 languages (Italian, English, German, Dutch, French, Spanish, Portuguese, Russian);

- Product Library & User Documentation DVD (see contents detail in the next page);

- Printed documents:

  - Quick Guide Multilanguage

  - Safety Sheet Multilanguage;

  - Toner Cartridge & Waste Toner Box Installation Guide Multilanguage

What does it take to set a minimum operative configuration ?

The table below lists the items that are necessary to obtain the minimum operative conditions

BASIC UNITS	RANDOM CODE
d-Copia 1801MF	B4538
or	
d-Copia 2201MF	B4540
or	
d-Copia 1801MF plus	B4539
or	
d-Copia 2201MF plus	B4541
Platen cover TYPE h	B4542
Copystand 1801MF/2201MF/plus (high)	B4702
Toner cartridge 1801MF/2201MF/plus	B1082

Product Library & User Documentation DVD – Contents

Following tables summarize the contents of the Product library DVD-ROM which is bundled inside the basic unit package of the d-Copia 1801MF/2201MF/PLUS. The languages supported by the menu are: English, French, German, Italian, Portuguese and Spanish.

Printer drivers	Windows OS							Installation method
	XP / 03	Vista	2008	2008 R2	Win7	Win8	2012	
	X64 / x86	X64 / x86	X64 / x86		X64 / x86	X64 / x86		
GX Driver 6.0.2327	Yes	Yes	Yes	Yes	Yes	Yes	Yes	USB & TCP/IP
GX XPS Driver 3.0.2327	No	Yes	Yes	Yes	Yes	Yes	Yes	USB & TCP/IP

Scanner drivers	Windows OS							Installation method
	XP / 03	Vista	2008	2008 R2	Win7	Win8	2012	
	X64 / x86	X64 / x86	X64 / x86		X64 / x86	X64 / x86		
TWAIN Driver 1.5.24.10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	TCP/IP
WIA Driver 1.5.2231	No	Yes	Yes	Yes	Yes	Yes	Yes	TCP/IP

Fax drivers	Windows OS							Installation method
	XP / 03	Vista	2008	2008 R2	Win7	Win8	2012	
	X64 / x86	X64 / x86	X64 / x86		X64 / x86	X64 / x86		
FAX Driver 3.6.2410	Yes	Yes	Yes	Yes	Yes	Yes	Yes	TCP/IP

Utilities	Windows OS							Installation method
	XP / 03	Vista	2008	2008 R2	Win7	Win8	2012	
	X64 / x86	X64 / x86	X64 / x86		X64 / x86	X64 / x86		
Network Print Monitor ver. 5.3.7116.1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	TCP/IP
Client Tool 1.2.24.11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	USB & TCP/IP
Quick Network Setup 2.0.11	Yes	Yes	No	No	Yes	Yes	Yes	TCP/IP

Mac O.S. X 10.5 and superior are supported with PPD Driver;

Linux is supported with PPD Driver version 8.1310;.

User documentation in PDF format
- **Operation Guide** in the following 21 languages: Arab, Czech, Catalan, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish;

Main units & Options package dimensions and weights

Descriptions	Item	Single box size (W x D x H mm)	Weight Kg	Master carton size (W x D x H mm)	Units	Weight Kg
BASIC MACHINE	d-Copia 1801MF	560X520X480	25,0	740X686X724	NA	37
BASIC MACHINE	d-Copia 2201MF	560X520X480	25,0	740X686X724	NA	37
BASIC MACHINE	d-Copia 1801MFplus	560X520X480	25,0	740X686X724	NA	37
BASIC MACHINE	d-Copia 2201MFplus	560X520X480	25,0	740X686X724	NA	37
PLATEN COVER	Platen Cover Type H	590X620X120	3	NA	NA	NA
DOCUMENT PROCESSOR	DP-480	563X439X128	6	700X630X250	NA	12
PAPER FEEDER	PF-480	565X520X144	6	740X686X240	NA	12
DUPLEX UNIT	DU-480	375X60X220	1	480X330X150	NA	2
FAX KIT	FAX SYSTEM (X)	154X79X35	0,115	232X174X55	20	8,0
IB-33	Wired network board	232x174x55	0,250	484x364x295	20	6,0
COPYSTAND LOW	Copystand 1801/2201MF	570X550X380	12	620X600X370	NA	12,9
COPYSTAND HIGH	Copystand 1801/2201MF	570X550X490	13	620X600X470	NA	13,9

Consumables codes, package dimensions and weights

Descriptions	Item	Size (W x D x H mm)	Weight Kg	Master carton size (W x D x H mm)	Units	Weight
Toner cartridge up to 15K copies, 6%	Toner Cartridge 1801MF/2201MF/plus	550x160x83	1,2	570x106x83	15	19
Maintenenance kit up to 150k prints	Maintenance kit 1801MF/2201MF/plus	600X250X180	4,0	NA	NA	NA

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6 Promotional material

The following promotional material for **d-Copia 1801MF** and **2201MF** will be available:

1) **Brochure (Italian)**   Code: 29138-00   Availability: February 2014;

2) **Brochure (English)**   Code: 29140-00   Availability: February 2014;

The Olivetti web site (www.olivetti.com) will be updated in February 2014 with all information regarding the new devices, including their high-resolution photos.

The promotional material for **d-Copia 1801MFplus** and **2201MFplus** will be available coherently with commercial launch of the products expected in April 2014.

7 Service

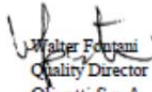| Product Support Plan	Expected Availability
Product Support Plan (PSP) - Italiano / English	February 2014
Logistic Support Plan (PLS) - Italiano / English	February 2014
Service Manual - Italiano / English	February 2014
Spare Parts Catalogue - Italiano / English	February 2014
Progetto di Gestione (PdG)	February 2014

8 Quality Approvals

d-Copia 1801MF – 2201MF – 1801MFplus – 2201MFplus bear the following marks:

- CE Mark (see copy of the CE declaration in Annexes A, B and C)
- GS TUV Rheinland Safety Mark
- Energy Star 2.0 - 2013

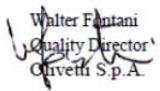They are also compliant with both RoHS and WEEE

Annex A: CE Declaration (1801MF/2201MF)

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N°13-112

DICHIARAZIONE CE DI CONFORMITA' del COSTRUTTORE secondo ISO/IEC 17050
MANUFACTURER'S CE DECLARATION of CONFORMITY according to ISO/IEC 17050

OLIVETTI S.p.A Via Jervis, 77 - IVREA (TO) - ITALY

Dichiara sotto la sua responsabilita' che i prodotti:
Declares under its sole responsibility that the products:

Categoria generale:	Apparecchiature per la Tecnologia dell'Informazione
Equipment category:	*Information Technology Equipment*
Tipo di apparecchiatura:	Stampante Multifunzionale
Product type:	*Multifunctional Printer*
Nome / model:	d-Copia 1801MF, d-Copia 2201MF
Opzioni / options:	PF-480, DP-480, DU-480

soddisfano i requisiti essenziali di Compatibilità Elettromagnetica, Consumo Energetico e Sicurezza previsti dalle Direttive:

fulfill the essential requirements of Electromagnetic Compatibility, Electrical Power Consumption and Electrical Safety as prescribed by the Directives:

2004/108/CE del 15 Dicembre 2004; (EMC)
2004/108/EC dated 15th December 2004;
2009/125/CE del 21 Ottobre 2009; (ErP)
2009/125/EC dated 21st October 2009;
2006/95/CE del 12 Dicembre 2006; (LVD)
2006/95/EC dated 12th December 2006;

in quanto progettati e costruiti in conformità alle seguenti Norme Armonizzate:

since designed and manufactured in compliance with the following European Harmonized Standards:

EN 55022:2010 (Limits and methods of measurements of radio interference characteristics of Information Technology Equipment) / Class B
EN 55024:2010 (Electromagnetic Compatibility – Information technology equipment – Immunity characteristics – Limits and methods of measurement)
EN 61000-3-2:2006 + A1:2009 + A2:2009 (Electromagnetic Compatibility (EMC) - Part 3: Limits - Section 2: Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3:2008 (Electromagnetic Compatibility (EMC) - Part 3: Limits - Section 3: Limitation of voltage fluctuations and flicker in low voltage supply systems for equipment with rated current up to and including 16A)
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 (Safety of Information Technology Equipment, including electrical business equipment)
EN 60825-1:2007 (Radiation Safety of laser products, equipment classification, requirements and user's guide)
EN 62311:2008 (Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz))
EN 62301:2005 (Household electrical appliances – Measurement of standby power)

La conformità ai suddetti requisiti essenziali viene attestata mediante l'apposizione della Marcatura CE sul prodotto.
Compliance with the above mentioned essential requirements is shown by affixing the CE marking on the product.

Ivrea, 05 Settembre 2013
Ivrea, 05th September 2013

Walter Fontani
Quality Director
Olivetti S.p.A.

Note: 1) La Marcatura CE è stata apposta nel 2013
Notes: 1) *CE Marking has been affixed in 2013*
2) Il Sistema della Qualità è conforme alle norme serie UNI EN ISO 9000.
2) *The Quality System is in compliance with the UNI EN ISO 9000 series of Standards*

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Annex B: CE Declaration (1801MFplus/2201MFplus)

N° 14-101

DICHIARAZIONE CE DI CONFORMITA' del COSTRUTTORE secondo ISO/IEC 17050
MANUFACTURER'S CE DECLARATION of CONFORMITY according to ISO/IEC 17050

OLIVETTI S.p.A   Via Jervis, 77 - IVREA (TO) - ITALY

Dichiara sotto la sua responsabilita' che i prodotti:
Declares under its sole responsibility that the products:

Categoria generale:	**Apparecchiature per la Tecnologia dell'Informazione**
Equipment category:	*Information Technology Equipment*
Tipo di apparecchiatura:	**Stampante Multifunzionale**
Product type:	*Multifunctional Printer*
Nome / *model:*	**d-Copia 1801MF plus, d-Copia 2201MF plus**
Opzioni / *options:*	**PF-480, DP-480, DU-480, IB-33, FAX System (X)**

sono CONFORMI alla Direttiva 1999/5/CE del 9 marzo 1999
are in compliance with directive 99/5/EC dated 9th march 1999

e soddisfano i requisiti essenziali di **Compatibilità Elettromagnetica, Consumo Energetico e Sicurezza** previsti dalle Direttive:
and fulfill the essential requirements of Electromagnetic Compatibility, Electrical Power Consumption and Electrical Safety as prescribed by the Directives:

2004/108/CE del 15 Dicembre 2004; (EMC)
2004/108/EC dated 15th December 2004;
2009/125/CE del 21 Ottobre 2009; (ErP)
2009/125/EC dated 21st October 2009;
2006/95/CE del 12 Dicembre 2006; (LVD)
2006/95/EC dated 12th December 2006;

in quanto progettati e costruiti in conformità alle seguenti Norme Armonizzate:
since designed and manufactured in compliance with the following European Harmonized Standards:

EN 55022:2010 (Limits and methods of measurements of radio interference characteristics of Information Technology Equipment) / Class B;

EN 61000-3-2:2006+ A1:2009+ A2:2009 (Electromagnetic Compatibility (EMC) - Part 3: Limits - Section 2: Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

EN 61000-3-3:2008 (Electromagnetic Compatibility (EMC) - Part 3: Limits - Section 3: Limitation of voltage fluctuations and flicker in low voltage supply systems for equipment with rated current up to and including 16A);

EN 55024:2010 (Electromagnetic Compatibility – Information technology equipment – Immunity characteristics – Limits and methods of measurement);

EN 60950-1:2006+ A11:2009+ A1:2010+ A12:2011 (Safety of Information Technology Equipment, including electrical business equipment.)

EN 60825-1:2007 (Radiation Safety of laser products, equipment classification, requirements and user's guide).

ETSI TBR 21/1998 - Requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTN) of TE (excluding TE supporting the voice telephony service) in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signaling.

EN 62311: 2008 (Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields)

EN 62301:2005 (Household electrical appliances – Measurement of standby power)

La conformità ai suddetti requisiti essenziali viene attestata mediante l'apposizione della **Marcatura CE** sul prodotto.
Compliance with the above mentioned essential requirements is shown by affixing the CE marking on the product.

Ivrea, 09 Gennaio 2014
Ivrea, 09th January 2014

Walter Fantani
Quality Director
Olivetti S.p.A.

Note: 1) La Marcatura CE è stata apposta nel 2014
Notes: 1) CE Marking has been affixed in 2014
2) Il Sistema della Qualità è conforme alle norme serie UNI EN ISO 9000.
2) The Quality System is in compliance with the UNI EN ISO 9000 series of Standards

Olivetti S.p.A. – Società con unico azionista, Gruppo Telecom Italia - Direzione e coordinamento di Telecom Italia S.p.A
Sede legale: Via Jervis, 77 - 10015 Ivrea (To) - Italy - Tel +39 0125 7751 - Cap. Soc. € 13.200.000 i.v. - R.E.A. 547040 - Cod. Fisc./P.IVA e Iscriz. al Reg. Imp. Di Torino 02298700010.

Annex C: Declaratión CE de Conformidad

DECLARACIÓN CE DE CONFORMIDAD
(EN45014)

OLIVETTI ESPAÑA S.A.,con domicilio en Barcelona, calle Aragó 390, con N.I.F. A-59.555.839 y actuando en su nombre y representación, como apoderada Dª Maria Fernanda Ferrer Da Pena, provista de D.N.I. nº 46.531.372 A

DECLARA

Que los productos, fabricados en China:

Categoria general: **Tecnologia de la Información**
Tipo de aparatos: **Impresora multifuncional**
Nombre de modelo :   d-Copia 1801MF plus, d-Copia 2201MF plus
Opciones: PF-480, DP-480, DU-480,IB-33, FAX System(X)

Son CONFORMES a la Directiva 1999/5/CE de 9 de marzo de 1999

y cumplen los requisitos esenciales de **Compatibilidad Electromagnética y de Seguridad previstos en las Directivas:**

> **2004/108/CE de 15 de Diciembre 2004; (EMC)**
> **2009/125/CE de 21 de Octubre 2009; (ErP)**
> **2006/95/CE de 12 de Diciembre 2006; (LVD)**

por haber sido proyectados y construidos en conformidad a las siguientes Normas Armonizadas:

> **EN 55022:2010** (Limits and methods of measurements of radio interference characteristics of Information Technology Equipment) / Class B;
> **EN 61000-3-2:2006+A1:2009+A2:2009** (Electromagnetic Compatibility (EMC) - Part 3 : limits-Section 2 : Limits for harmonic current emissions (equipment input current ≤ 16 A per phase);
> **EN 61000-3-3:2008** (Electromagnetic Compatibility (EMC) - Part 3 : Limits - Section 3 : Limitation of voltage fluctuations and flicker in low voltage supply systems for equipment with rated current up to and including 16A);
> **EN 55024:2010** (Electromagnetic Compatibility - Information technology equipment Immunity characteristics - Limits and methods of measurement);
> **EN 60950-1:2006+A11:2009+A1:2010+A12:2011** (Safety of Information Technology Equipment, including electrical business equipment).
> **EN 60825-1:2007 (Radiation Safety of laser products, equipment classification requirements ad user's guide)**
> ETSI TBR 21:1998 - Requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTN) of TE(excluding TE supporting the voice telephony service) in wich network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signaling.
> **EN 62311:2008** (assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields)
> **EN 62301:2005** (Household electrical appliances- Measurement of standbay power)

La conformidad a los requisitos esenciales es atestiguada mediante la **Marca CE** incorporada en 2014 al producto. El Sistema de la Calidad de la producción es conforme a las normas UNE EN ISO 9000.

Las funcionalidades disponibles en los aparatos son las indicadas en el Manual de Usuario, facilitado con los mismos.

Barcelona, 09 de enero de 2014

Firma y Sello

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Annex D: Selling Against d-Copia 1801MF/2201MF

The main characteristics of the new d-Copia 1801MF and 2201MF are compared with those of the main competitors models in the tables that follows.

Each table compares our models with a competitor model with the same, or the closest speed for copying/printing.

Comparison of d-Copia 1801MFplus and 2201MFplus will be available coherently with the launch of the products expected in April 2014.

Digital Laser MFP line - **d-Copia**1801/2201MF - **d-Copia**1801/2201/MF^{plus}

Side-By-Side Product Compare	Olivetti d-Copia 1801MF	Canon imageRUNNER 2420	Sharp AR-5618
OEM	KYOCERA (China)	Canon (Info not avail)	Sharp (China/Japan)
Also Sold As	TASKalfa 1800	None	None
Distributed By	Dealers, distributors and resellers	Info not avail	Info not avail
TYPE	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**
Configuration/Scanner	Desktop, digital	Desktop, digital	Desktop, digital
Toner	Dry, monocomponent	Dry, monocomponent	Dry, dual component
GENERAL SPECIFICATIONS/PAPER HANDLING			
First Copy Time	5.7 sec	7.9 sec	7.2 sec
Multicopy (Ltr/Lgl/Ldgr)	18/8 cpm	20/10 cpm	18/11 cpm
Warm-up Time	17.2 sec	13 sec	25 sec
Std Paper Source(s)	Single drawer	Single drawer	Dual drawer
Std Paper Capacity	300 sheets	250 sheets	250 sheets
Paper Weights	64 to 105 gsm	64 to 90 gsm	56 to 90 gsm
Bypass/Paper Weights	100-sheet/45 to 160 gsm	80-sheet/64 to 128 gsm	100-sheet/56 to 200 gsm
Max Paper Sources	5	5	5
Max Paper Capacity	1,300 sheets	1,080 sheets	1,100 sheets
Max Original Size	A3	A3	A3
Output Size (Min/Max)	A5/A3	95 x 148/A3	A6/A3
Copy Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
System Memory (Std/Max)	256-MB RAM/256-MB RAM	64-MB RAM/64-MB RAM	64-MB RAM/64-MB RAM
Duplex	Opt (1:2,2:2,2:1)	Opt (1:2,2:2,2:1)	Manual
Duplex Capacity/Paper Sizes	Unlimited/A5 to A3	Unlimited/A5 to A3	Not applicable
Document Feeder	Opt RADF	Opt RADF	Opt RADF
Doc Feeder Speed/Capacity	22 opm/50 orig	Info not avail	Info not avail/40 orig
Paper Weights	45 to 120 gsm	37 to 128 gsm	Info not avail
Sorter (Bins/Capacity)	None	None	None
Staple Sorter	None	None	None
Bins/Stapling Capacity	Not applicable	Not applicable	Not applicable
Stapling Positions	Not applicable	Not applicable	Not applicable
Finisher	None	Opt finisher	None
Tray/Stapling/Position(s)	Not applicable	770/50/1	Not applicable
Other	Electronic sorting; opt high and low stands available; 250-sheet output tray	Optional inner two-way tray adds a second 100-sheet output destination to the internal tray (250/100); additional internal tray available when optional finisher is	Electronic sorting
SECURITY SPECS			
Network User Authentication	No	No	Info not avail
IP Address Filtering	No	Yes	Info not avail
MAC Address Filtering	No	Yes	Info not avail
HDD Overwrite	Not applicable	Not applicable	Info not avail
Max Overwrites	Not applicable	Not applicable	Info not avail
HDD Encryption	Not applicable	Not applicable	Info not avail
Secure Print	No	No	Info not avail
Encrypted Secure Print	No	No	Info not avail
Encrypted PDF Mode (Encrypted Scanning)	No	No	Info not avail
IPsec	No	No	Info not avail
Secure Sockets Layer (SSL)	No	No	Info not avail
SNMPv3	No	No	Info not avail
Transport Layer Security	No	No	Info not avail
CONTROL PANEL	**Keypad**	**Keypad**	**Keypad**
Quantity Selector	1 to 999 (0 to 9 keypad)	1 to 99 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)
Message Display	Yes	Yes	No
Help Key	No	Info not avail	No
FEATURES			
Automatic Features	AES, AMS, APS	Info not avail	AES, AMS, APS, ASO, ATS
Book Copy	Yes	INA	Yes
Booklet Mode	No	No	No
Color	No	No	No
Copy Control	100	INA	20
Covers	No	No	No
Editing	No	No	No
Energy-Save	Yes	Yes	Yes
Erase	Std	INA	Std
Image Insert	No	No	No
Image Overlay	No	No	No
Image Repeat	No	No	No
Image Rotate	Std	INA	Std
Interrupt	Yes	Yes	Yes
Job Build	No	No	No
Job Programs	8	INA	No
Job Time	No	No	No
Language	Std	Std	No
Margin Shift	Yes	No	Yes
Neg/Pos	No	No	No
OHP Interleaving	No	No	No
Photo Mode	Yes	Yes	Yes
Poster Mode	No	No	No
Preset R/E	5R, 5E	INA	4R, 4E
Program Ahead	No	INA	No
Sheet Insertion	No	No	No
Stamping	No	No	Std
Timer	No	No	No
2-in-1	Std	Std	Std
XY Zoom	No	No	Yes
Zoom Range	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)
Other Features	ID card copy	ID card mode copies both sides of a card onto a single sheet	50% to 200% zoom magnification through document feeder; toner save mode; text/photo mode; dual page copy; ID card copy; edge erase; center erase; N-up printing

	Olivetti d-Copia 1801MF	Canon imageRUNNER 2420	Sharp AR-5618
ADDITIONAL INFORMATION			
Dimensions (HxWxD)	485 mm x 565 mm x 527 mm	580.4 mm x 622 mm x 638 mm	495 mm x 591 mm x 567 mm
Weight	26 kg	37.9 kg	28.6 kg
Power Requirements	220-240 V, 6.3 A	220-240 V, Amps not avail	230-240 V, Amps not avail
Energy Used While Power Off	Info not avail	Info not avail	Info not avail
Energy Used in Power Save Mode	1.54W	4.5W	Info not avail
Energy Used in Ready Mode	75W	Info not avail	Info not avail
Energy Used While Copying	385W	Info not avail	Info not avail
Energy Used While Printing	385W	Info not avail	Info not avail
Energy Used While Scanning	Info not avail	Info not avail	Info not avail
Max Power Consumption	Info not avail	1373W	1200W
TEC Value	Info not avail	Info not avail	Info not avail
Dedicated Outlet	Not required	Not required	Not required
Energy Star Compliant	Yes	Yes	Yes
Operating Noise Level	62 dB	66 dB	Info not avail
COMMENTS	None	None	None
OPTIONS			
	DP-480 RADF (1203P76NL0)	P2 RADF (0415B006)	SPF (AR-SP10)
	PF-480 Paper drawer 300 sheets (1203P88NL0)	J1 Paper-feed unit 1 x 250 sheets (0419B001)	Paper-feed unit 1 x 250 sheets (AR-D36)
	DU-480 Duplex unit (1203P90UN0)	K1 Paper-feed unit 2 x 250 sheets (0420B001)	Paper-feed unit 2 x 250 sheets (AR-D37)
	CB-481H Cabinet high metal (870LD00101)	A1 Duplex unit (0418B002)	Cabinet for four paper drawers (AR-DK518)
	CB-480H Cabinet high wooden (870LD00104)	U2 Finisher (0416B004)	Cabinet for one paper drawer (AR-DK515)
	CB-481L Cabinet low metal (870LD00102)	C1 Finisher additional tray (0416B002)	Cabinet for three paper drawers (AR-DK517)
	CB-480L Cabinet low wooden (870LD00105)	E2 Inner two-way tray (0417B002)	Cabinet for two paper drawers (AR-DK516)
	Type H Platen cover (1202NG0UN0)	H Pedestal (0955B001)	Print option network printing (MX-NB12)
		L Pedestal (0955B002)	Sharp Sharpdesk 1 user license (MX-USX1)
		IN-E14 Adapter network interface (3218B001)	Sharp Sharpdesk 5 user license (MX-USX5)
		Q1 Power supply kit for finisher and cassette-feeding module (0424B001)	
SUPPLIES/MAINTENANCE			
	TK-4105 Black toner cartridge (1T02NG0NL0) Yield: 15,000; Coverage: 6%	C-EXV 14 Black drum (0385B002BA)	Black drum (AR-205DM) Yield: 50,000
	MK-4105 Maintenance kit (includes drum) (1702NG8NL0) Yield: 150,000	C-EXV 14 Black toner bottle (0384B002) Yield: 8,300; Coverage: 6%	Black toner cartridge (MX-235NT) Yield: 16,000; Coverage: 6%
	PM Schedule: 150,000	PM Schedule: Info not avail	Black developer (MX-235NV) Yield: 50,000; Coverage: 6%
MULTIFUNCTION MODES			
Copier	Std	Std	Std
Internet Fax	No	No	No
Network Printer	No	Opt	Opt
Printer	Std	Std	Std
Fax	No	No	No
Network Fax	No	No	No
PC Fax	No	No	No
Scanner	Std	Opt	Std
CONNECTIVITY SPECIFICATIONS			
Operating System Support	Win XP, Server 2003, Vista, Server 2008, 7, 8, Server 2012	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS X 10.4.9+, Linux	Win 2000, XP, Vista, 7
Parallel Interface	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable
Serial Interface	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable
USB Interface	Std 2.0	Std 2.0	Std 2.0
PC Fax/Print/Scan	Not applicable/Yes/Not applicable	No/Yes/Yes	No/Yes/Yes
Network Interface	None	Opt Ethernet	Std Ethernet
Interface Type	Not applicable	10/100BaseTX	10/100BaseTX
LAN Fax/Print/Scan	Not applicable	No/Yes/Yes	No/Yes/Yes
Networks Supported			
NetWare	No	Info not avail	Info not avail
Windows NT	No	Info not avail	Info not avail
AppleTalk	No	Info not avail	Info not avail
UNIX	No	Info not avail	Info not avail
AS/400	No	Info not avail	Info not avail
Other			
Embedded Software Platform	Not applicable	Not applicable	Not applicable
FACSIMILE SPECIFICATIONS	Not applicable	Not applicable	Not applicable

	Olivetti d-Copia 1801MF	Canon imageRUNNER 2420	Sharp AR-5618
PRINTER SPECIFICATIONS			
Compatibility	PC	PC, Mac	PC
Speed	18 ppm	20 ppm	18 ppm
First-Page-Out Time	5.7 sec	Info not avail	Info not avail
Max Print Area	269 x 422	Info not avail	Info not avail
Enhanced Resolution	Not applicable	Not applicable	Not applicable
Unenhanced Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
Std/Max Printer Memory	Shared	Shared	Shared
Controller Mfr/Model	KYOCERA/Info not avail	Canon/Info not avail	Sharp/MX-NB12
Processor/Bits/MHz	ARM V5/Info not avail/500	Custom processor/Info not avail/150	Info not avail
PDL/PCL	Host-based	UFR II LT	SPCL, opt PCL 6
Controller Mfr/Model	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable
Controller Mfr/Model	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable
SCANNER AND IMAGE MANAGEMENT SPECIFICATIONS			
Connection Type	USB	Network, USB	USB
Technology/Speed	Info not avail/22 ipm	CIS/6 ipm color, 20 ipm black	CCD/info not avail
Max Resolution	600 x 600 spi	300 x 300 dpi	600 x 600 dpi
TWAIN Compatible	Yes	Yes	Yes
Scan Destinations			
E-mail	Yes	No	INA
I-fax	NA	No	INA
FTP	NA	No	INA
SMB	NA	No	INA
HDD	NA	NA	INA
URL	No	No	INA
LDAP Support	Not applicable	Info not avail	Info not avail
File Formats Supported	BMP, PDF, JPG, TIFF	Info not avail	BMP, PDF, TIFF
Scan/Image Software	Not applicable	Info not avail	Std Button Manager, std Sharpdesk
OCR Software	Not applicable	Info not avail	Std Button Manager, std Sharpdesk
File Mgmt Software	Not applicable	Info not avail	Std Button Manager, std Sharpdesk
Other	Color scanning	Color scanning	Full color scanner; 256 greyscale; PDF, TIFF & BMP file formats; scan to desktop

Digital Laser MFP line - **d-Copia**1801/2201MF - **d-Copia**1801/2201/MF^{plus}

Side-By-Side Product Compare	OLIVETTI d-Copia 2201MF	Canon imageRUNNER 2422	Sharp AR-5620
OEM	KYOCERA (China)	Canon (Info not avail)	Sharp (China/Japan)
Also Sold As	TASKalfa 2200	None	None
TYPE	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**
Configuration/Scanner	Desktop,digital	Desktop,digital	Desktop,digital
Toner	Dry, monocomponent	Dry, monocomponent	Dry, dual component
GENERAL SPECIFICATIONS/PAPER HANDLING			
First Copy Time	5.7 sec	7.9 sec	7.2 sec
Multicopy (Ltr/Lgl/Ldgr)	22/10 cpm	22/11 cpm	20/11 cpm
Warm-up Time	17.2 sec	13 sec	25 sec
Std Paper Source(s)	Single drawer	Single drawer	Dual drawer
Std Paper Capacity	300 sheets	250 sheets	250/250 sheets
Paper Weights	64 to 105 gsm	64 to 90 gsm	56 to 90 gsm
Bypass/Paper Weights	100-sheet/45 to 160 gsm	80-sheet/64 to 128 gsm	100-sheet/56 to 200 gsm
Max Paper Sources	5	5	5
Max Paper Capacity	1,300 sheets	1,080 sheets	1,100 sheets
Max Original Size	A3	A3	A3
Output Size (Min/Max)	A5/A3	95 x 148/A3	A6/A3
Copy Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
System Memory (Std/Max)	256-MB RAM/256-MB RAM	64-MB RAM/64-MB RAM	64-MB RAM/64-MB RAM
Duplex	Opt (1:2,2:2,2:1)	Opt (1:2,2:2,2:1)	Manual
Duplex Capacity/Paper Sizes	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited
Document Feeder	Opt RADF	Opt RADF	Opt RADF
Doc Feeder Speed/Capacity	22 opm/50 orig	Info not avail	Info not avail/40 orig
Paper Weights	45 to 120 gsm	37 to 128 gsm	Info not avail
Sorter (Bins/Capacity)	None	None	None
Staple Sorter	None	None	None
Bins/Stapling Capacity	Not applicable	Not applicable	Not applicable
Stapling Positions	Not applicable	Not applicable	Not applicable
Finisher	None	Opt finisher	None
Tray/Stapling/Position(s)	Not applicable	770/50/1	Not applicable
Other	Electronic sorting; opt high and low stands available; 250-sheet output tray	Optional inner two-way tray adds a second 100-sheet output destination to the internal tray (250/100); additional internal tray available when optional finisher is purchased	Electronic sorting
SECURITY SPECS			
Network User Authentication	No	No	Info not avail
IP Address Filtering	No	Yes	Info not avail
MAC Address Filtering	No	Yes	Info not avail
HDD Overwrite	Not applicable	Not applicable	Info not avail
Max Overwrites	Not applicable	Not applicable	Info not avail
HDD Encryption	Not applicable	Not applicable	Info not avail
Secure Print	No	No	Info not avail
Encrypted Secure Print	No	No	Info not avail
Encrypted PDF Mode (Encrypted Scanning)	No	No	Info not avail
IPsec	No	No	Info not avail
Secure Sockets Layer (SSL)	No	No	Info not avail
SNMPv3	No	No	Info not avail
Transport Layer Security	No	No	Info not avail
Other		Department ID Management requires users to enter a password when accessing the	
CONTROL PANEL	**Keypad**	**Keypad**	**Keypad**
Quantity Selector	1 to 999 (0 to 9 keypad)	1 to 99 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)
Message Display	Yes	Yes	No
Help Key	No	Info not avail	No
FEATURES			
Automatic Features	AES, AMS, APS	Info not avail	AES, AMS, APS, ASO, ATS
Book Copy	Yes	INA	Yes
Booklet Mode	No	No	No
Color	No	No	No
Copy Control	100	INA	20
Covers	No	No	No
Editing	No	No	No
Energy-Save	Yes	Yes	Yes
Erase	Std	INA	Std
Image Insert	No	No	No
Image Overlay	No	No	No
Image Repeat	No	No	No
Image Rotate	Std	INA	Std
Interrupt	Yes	Yes	Yes
Job Build	No	No	No
Job Programs	8	INA	No
Job Time	No	No	No
Language	Std	Std	No
Margin Shift	Yes	No	Yes
Neg/Pos	No	No	No
OHP Interleaving	No	No	No
Photo Mode	Yes	Yes	Yes
Poster Mode	No	No	No
Preset R/E	5R, 5E	INA	4R, 4E
Program Ahead	No	INA	No
Sheet Insertion	No	No	No
Stamping	No	No	Std
Timer	No	No	No
2-in-1	Std	Std	Std
XY Zoom	No	No	Yes
Zoom Range	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)
Other Features	ID card copy	ID card mode copies both sides of a card onto a single sheet	50% to 200% zoom magnification through document feeder; toner save mode; text/photo mode; dual page copy; ID card copy; edge erase; center erase; N-up

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	OLIVETTI d-Copia 2201MF	Canon imageRUNNER 2422	Sharp AR-5620
ADDITIONAL INFORMATION			
Dimensions (HxWxD)	485 mm x 565 mm x 527 mm	580.4 mm x 622 mm x 638 mm	595 mm x 591 mm x 550 mm
Weight	26 kg	37.9 kg	34.6 kg
Power Requirements	220-240 V, 6.3 A	220-240 V, Amps not avail	230-240 V, Amps not avail
Energy Used While Power Off	Info not avail	Info not avail	Info not avail
Energy Used in Power Save Mode	1.54W	4.5W	Info not avail
Energy Used in Ready Mode	76W	Info not avail	Info not avail
Energy Used While Copying	415W	Info not avail	Info not avail
Energy Used While Printing	415W	Info not avail	Info not avail
Energy Used While Scanning	Info not avail	Info not avail	Info not avail
Max Power Consumption	Info not avail	1373W	1200W
TEC Value	Info not avail	Info not avail	Info not avail
Dedicated Outlet	Not required	Not required	Not required
Energy Star Compliant	Yes	Yes	Yes
Operating Noise Level	62 dB	66.7 dB	Info not avail
COMMENTS	None	None	None
OPTIONS			
	DP-480 RADF (1203P76NL0)	P2 RADF (0415B006)	SPF (AR-SP10)
	PF-480 Paper drawer 300 sheets	J1 Paper-feed unit 1 x 250 sheets	Paper-feed unit 1 x 250 sheets (AR-D36)
	DU-480 Duplex unit (1203P90UN0)	K1 Paper-feed unit 2 x 250 sheets	Paper-feed unit 2 x 250 sheets (AR-D37)
	CB-481H Cabinet high metal (870LD00101)	A1 Duplex unit (0418B002)	Cabinet for four paper drawers (AR-DK518)
	CB-480H Cabinet high wooden	U2 Finisher (0416B004)	Cabinet for three paper drawers (AR-
	CB-481L Cabinet low metal (870LD00102)	C1 Finisher additional tray (0416B002)	Cabinet for two paper drawers (AR-DK516)
	CB-480L Cabinet low wooden (870LD00105)	E2 Inner two-way tray (0417B002)	Sharp AR-5620 with document feeder
	Type H Platen cover (1202NG0UN0)	IN-E14 Adapter network interface	
		Q1 Power supply kit for finisher and cassette-feeding module (0424B001)	
SUPPLIES/MAINTENANCE			
	TK-4105 Black toner cartridge (1T02NG0NL0)Yield: 15,000; Coverage: 6%	C-EXV 14 Black drum (0385B002BA):	Black drum (AR-205DM) Yield: 50,000
	MK-4105 Maintenance kit (includes drum) (1702NG8NL0); Yield: 150,000	C-EXV 14 Black toner bottle (0384B002) Yield: 8,300; Coverage: 6%	Black toner cartridge (MX-235NT) Yield: 16,000; Coverage: 6%
	PM Schedule: 150,000	PM Schedule: Info not avail	Black developer (MX-235NV) Yield: 50,000; Coverage: 6%
MULTIFUNCTION MODES			
Copier	Std	Std	Std
Internet Fax	No	No	No
Network Printer	No	Opt	Opt
Printer	Std	Std	Std
Fax	No	No	No
Network Fax	No	No	No
PC Fax	No	No	No
Scanner	Std	Opt	Std
CONNECTIVITY SPECIFICATIONS			
Operating System Support	Win XP, Server 2003, Vista, Server 2008, 7, 8, Server 2012	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS X 10.4.9+, Linux	Win 2000, XP, Vista, 7
Parallel Interface	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable
Serial Interface	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable
USB Interface	Std 2.0	Std 2.0	Std 2.0
PC Fax/Print/Scan	Not applicable/Yes/Not applicable	No/Yes/Yes	No/Yes/Yes
Network Interface	None	Opt Ethernet	Std Ethernet
Interface Type	Not applicable	10/100BaseTX	10/100BaseTX
LAN Fax/Print/Scan	Not applicable	No/Yes/Yes	No/Yes/Yes
Networks Supported			
NetWare	No	Info not avail	Info not avail
Windows NT	No	Info not avail	Info not avail
AppleTalk	No	Info not avail	Info not avail
UNIX	No	Info not avail	Info not avail
AS/400	No	Info not avail	Info not avail
Other			
Embedded Software Platform	Not applicable	Not applicable	Not applicable
FACSIMILE SPECIFICATIONS	Not applicable	Not applicable	Not applicable

	OLIVETTI d-Copia 2201MF	Canon imageRUNNER 2422	Sharp AR-5620
PRINTER SPECIFICATIONS			
Engine Mfr & Model	KYOCERA/TASKalfa 2200	Canon/imageRUNNER 2422	Sharp/AR-5620
Compatibility	PC	PC, Mac	PC
Speed	22 ppm	22 ppm	20 ppm
First-Page-Out Time	5.7 sec	Info not avail	Info not avail
Max Print Area	269 x 422	Info not avail	Info not avail
Enhanced Resolution	Not applicable	Not applicable	Not applicable
Unenhanced Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
Std/Max Printer Memory	Shared	Shared	Shared
Controller Mfr/Model	KYOCERA/Info not avail	Canon/Info not avail	Sharp/MX-NB12
Processor/Bits/MHz	ARM V5/Info not avail/500	Custom processor/Info not avail/150	Info not avail
PDL/PCL	Host-based	UFR II LT	SPCL, PCL 6
Controller Mfr/Model	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable
Controller Mfr/Model	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable
Other			N-up printing; fit to paper size; watermarks
SCANNER AND IMAGE MANAGEMENT SPECIFICATIONS			
Connection Type	USB	Network, USB	USB
Technology/Speed	Info not avail/22 ipm	CIS/6 ipm color, 20 ipm black	CCD/info not avail
Max Resolution	600 x 600 spi	300 x 300 dpi	600 x 600 dpi
TWAIN Compatible	Yes	Yes	Yes
Scan Destinations			
E-mail	Yes	No	INA
I-fax	NA	No	INA
FTP	NA	No	INA
SMB	NA	No	INA
HDD	NA	NA	INA
URL	No	No	INA
LDAP Support	Not applicable	Info not avail	Info not avail
File Formats Supported	BMP, PDF, JPG, TIFF	Info not avail	BMP, PDF, TIFF
Scan/Image Software	Not applicable	Info not avail	Std Button Manager, std Sharpdesk
OCR Software	Not applicable	Info not avail	Std Button Manager, std Sharpdesk
File Mgmt Software	Not applicable	Info not avail	Std Button Manager, std Sharpdesk
Other	Color scanning	Color scanning	Full color scanner; 256 greyscale; PDF, TIFF & BMP file formats; scan to desktop