Initial Briefing

MA4500x/fx **MA4500ix/ifx** **MA5500ifx**

ECOSYS MA4500x, MA4500fx, MA4500ix, MA4500ifx & MA5500ifx

Target Launch	March 2023
Product Importance	High
Channel	Web, Catalogue, IT-Dealer and E-commerce
Product Manager	Peter Dresser

Overview

In March 2023 Kyocera is replacing its range of A4 high-performance workgroup mono MFPs the M3145dn, M3645dn, M3145idn, M3645idn, and M3155idn with the all NEW ECOSYS MA4500x, MA4500fx, MA4500ix, MA4500ifx & MA5500ifx respectively.

Similar in size and looks with the same 45ppm and 55ppm print speeds, these NEW MFPs have been completely revamped with a new improved print engine, powerful 1.4GHz processor and Kyocera's award-winning K-Level security feature set. Perfect for busy workgroups large and small they are designed to support their printing, copying, scanning, and faxing needs in one robust, reliable, easy to use device. They boast a range of high productivity features, a standard 500 sheet paper tray (plus a 100-sheet multipurpose tray) and class leading low running costs for higher print volume users. Four additional paper feed trays (options) can be fitted to take the total paper input capacity to 2,600 sheets, paper output is 250 sheets on the MA4500 devices and 500 sheets on the MA5500ifx.

All models have automatic duplex printing and scanning as standard to make printing, scanning, copying and faxing two-sided documents quick and easy. The M4500x/fx base models have a fully featured, easy to use operator panel with the MA4500ix, MA4500ifx and MA5500ifx all boasting a 7" colour touch panel to intuitively guide users through each operation.

The MA4500ix, MA4500ifx and MA5500ifx are all HyPAS™ enabled for simple integration with print management software such as PaperCut, myQ and for the smaller business Kyocera's very own "Kyocera Cloud Print and Scan" solution.

Copy Mode: The ECOSYS MA4500x, MA4500fx, MA4500ix, MA4500ifx are equipped with a 75 sheet Reverse Auto Document Processor (RADF) to make copying two sided documents simple, the MA5500ifx has a 100 sheet Dual Scan document processor (DADF) as standard to speed things up. Copying features include electronic sort (collate), ID card copy, 2in1, 4in1, auto cassette change, skip blank pages.

Print Mode: All devices deliver high 1200 x 1200dpi quality black and white documents with excellent grey scaling and dense blacks. PCL/PostScript and automatic double-sided printing are standard together with direct printing available from a front mounted host USB socket. Print features include banner printing (up to 915mm), PDF Direct Print and secure print via SSL. Mobile print support includes KYOCERA mobile print app for iOS and Android, Mopria, Google Cloud Print, Airprint, direct Wi-Fi option.

Scan Mode: High speed scanning, up to 60ipm (up to 120ipm for the duplex scanning MA5500ifx) allows mono or colour documents to be scanned to USB, PC, network folder (FTP/WIA/WSD) or anyone with an e-mail address. Banner scan, colour scan and integrated LDAP support gives access to all e-mail addresses stored on the central mail server. Encrypted pdf secures confidential documents and Network TWAIN scanning is standard for PC & Mac users.

Fax Mode: The ECOSYS MA4500fx, MA4500ifx & MA5500ifx are equipped with Super G3 faxing to deliver documents in as little as 3 seconds. They have a 200-entry address book to put commonly used numbers at the users' fingertips. FAX functionality includes Network fax, duplex transmission/reception, encrypted transmission/reception, polling and broadcast.

Sustainability Credentials:

The all NEW ECOSYS MA4500x, MA4500fx, MA4500ix, MA4500ifx & MA5500ifx products are launched Carbon Neutral as standard. We have partnered with MyClimate to offset the carbon emissions from the production, transportation of each device and the consumables they use over their standard rated lifetime (5 years). Customers register online for their Carbon Neutral Certificate. Environmental credentials are further enhanced with all devices achieving the EPEAT Gold status. EPEAT (Electronic Product Environmental Assessment Tool) is a global rating system for greener electronic devices covering efficient design, production, energy use and recycling of products with ongoing independent verification.

Enhanced power management reduces power consumption in "Sleep Mode" to just 0.5 Watts and improves the TEC (Typical Electricity Consumption) value of each product. Long life image drums up to 500,000 pages (300,000 pages on the MA4500 models) and high-capacity toners (up to 25,000pages) reduce user interventions and waste. Environmental impact is further reduced with Kyocera's award-winning pulp material packaging.

Internal Positioning

The current M3xxx Series will be replaced by the NEW MA Series as follows:

ECOSYS M3145dn → MA4500x (45ppm)
ECOSYS M3645dn → MA4500fx (45ppm, FAX)
ECOSYS M3145idn → MA4500ix (45ppm, HyPAS)
ECOSYS M3645idn → MA4500ifx (45ppm, HyPAS, FAX)
ECOSYS M3655idn → MA5500ifx (55ppm, HyPAS, FAX)

Hardware
- **New Colour Scheme**
- **User Interface white surround**
- **User installable Wireless Option**

Environmental
- **Titanium dioxide free toner**
- **EPEAT Gold Certified**

Enhanced K-Level Security Features
- Trusted Platform Module (TPM) authentication protection
- Standard Secure boot
- Allowlisting (Blocks unwanted files)
- SIEM (syslog) threat detection
- Auto certificate management (SCEP/OCSP/CRT)
- Standard "Data Security kit"
- PDF electronic signature
- FIPS140-3 (Hardware encryption for max performance)

Target Users

The NEW ECOSYS MA4500x, MA4500fx, MA4500ix, MA4500ifx & MA5500ifx are designed for the more demanding user who is looking for very reliable, workgroup mono MFPs with a high print speed and extremely low running costs. And more they want versatility, security and low environmental impact from a long-term partner that takes sustainability and social, corporate responsibility seriously. Ideal for large and busy workgroups or part of a managed service contract, typical customers will be schools, health care trusts, general businesses and large corporates.

Features at a Glance

Areas highlighted in **GREEN** show enhancements over previous models.

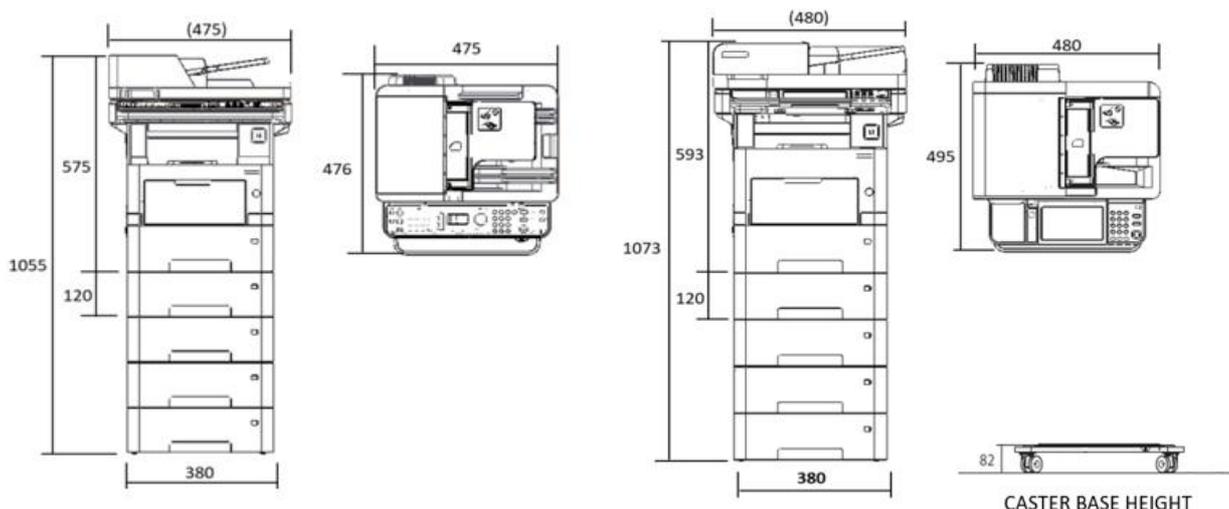| Description	P3145dn	P3645dn	P3145idn	P3645idn	P3655idn		MA4500x	MA4500fx	MA4500ix	MA4500ifx	MA5500ifx
Function	3-in-1	4-in-1	3-in-1	4-in-1	4-in-1		3-in-1	4-in-1	3-in-1	4-in-1	4-in-1
HyPAS	No	No	Yes	Yes	Yes		No	No	Yes	Yes	Yes
Print/Copy Speed	45ppm				55ppm		45ppm				55ppm
Time to first page	≤5.9 sec				≤4.9 sec		≤5.3 sec				≤4.5 sec
Time to first copy	≤7 sec				≤6 sec		≤6 sec				≤6 sec
Document Processor	RADF				DADF		RADF				DADF
Operator Panel	5-line LCD display		7" colour touch panel, Tilt 10 ° or 20 °				5-line LCD display		7" colour touch panel, Tilt 10 ° or 20 °		
Processor	ARM Cortex-A9 Dual core 1.2GHz						ARM Cortex-A53 Dual core 1.4GHz				
Input Capacity	Std 600 sheets, Max 2600 sheets up to 915mm banners						Std 600 sheets, Max 2600 sheets up to 915mm banners				
Output Capacity	250 sheets				500 sheets		250 sheets				500 sheets
Memory (RAM)	Standard 1GB RAM, Max 3GB RAM						1GB RAM, Max 3GB RAM		1.5GB RAM, Max 3.5GB RAM		
Hard drive Opt.	HD-6 (32GB), HD-7 (128GB) SSD drives						HD-17 (64GB), HD-18 (256GB) HD-19 (512GB) SSD drives				
Wireless LAN Opt.	**IB36:** (802.11b/g/n) **2.4GHz**						**IB37:** (802.11b/g/n, **2.4-GHz & 5-GHz**) with Wi-Fi Direct				
							IB38: (802.11b/g/n, **2.4-GHz**) with Wi-Fi Direct				
	Power consumption (Energy Star 2.0)						Power consumption (Energy Star 3.0)				
Printing	630 W	630 W	630 W	630 W	711 W		584.1 W	594.1 W	591.9 W	626.3 W	719 W
Copy	652 W	652 W	652 W	652 W	731W		601.6 W	606 W	599.4 W	563.8 W	704.1 W
Ready Mode	50 W	50 W	50 W	50 W	54 W		54.9 W	55.9 W	57.2 W	56.3 W	59.8 W
Sleep Mode	0.5 W	0.5 W	0.5 W	0.5 W	0.5 W		0.5 W	0.6 W	0.5 W	0.5 W	0.5 W
TEC Values	2.12kWh	2.12kWh	2.12kWh	2.12kWh	3kWh		0.62kWh	0.62kWh	0.62kWh	0.62kWh	0.78kWh
	Duty Cycle (print volume per month)						Duty Cycle (print volume per month)				
Recommended	13,000	13,000	13,000	13,000	16,500		20,000	20,000	20,000	20,000	27,500
Maximum	150,000	150,000	150,000	150,000	250,000		150,000	150,000	150,000	150,000	250,000
Life pages/5 years	900,000	900,000	900,000	900,000	1 Million		900,000	900,000	900,000	900,000	1 Million
	Consumables						Consumables				
Starter Toner	6k	6k	6k	6k	10k		6k	6k	6k	6k	10k
Standard Toner	12.5k	12.5k	14.5k	14.5k	25k		12.5k	12.5k	14.5k	14.5k	25k
Drum life	300k	300k	300k	300k	500k		300k	300k	300k	300k	500k

Why KYOCERA

Continually striving for excellence in both products and service, KYOCERA's award-winning ECOSYS printers and MFPs deliver superior performance, superb image quality and best-in-class reliability. Whether you are looking for brilliant colour or crisp black and white printing, KYOCERA's long-life image drum components dramatically lower running costs, waste and environmental impact. Buy from KYOCERA and you buy from a company that takes its Corporate and Social Responsibility seriously, a company that employees its own service engineers and wants to be your partner not just your supplier.

Why ECOSYS MA4500x, MA4500fx, MA4500ix, MA4500ifx & MA5500ifx

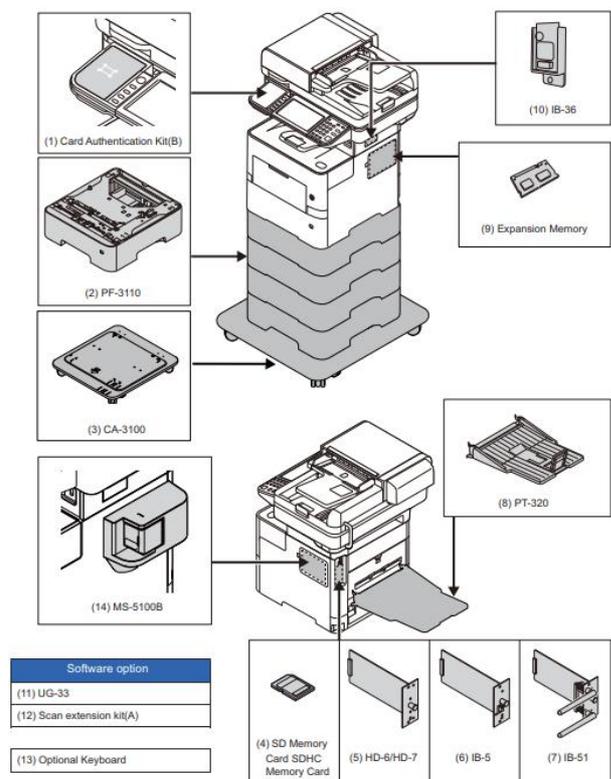High productivity for the desktop, perfect for large workgroups and power users.

Features	Advantages	Benefits	Target Customers
High print speeds (up to 55ppm) and impressive duty cycles (up to 250k pages per month max, 27.5k pages per month Average). Large standard paper capacity expandable to 2,600 pages from six different paper sources.	Delivers large documents fast. Powers through large workloads from one or multiple users.	Powerful 3-in1 & 4-in-1 models that handle all your document communication needs as well as heavy print loads with ease. Supports high volume printing to tight deadlines and heavy workloads from multiple users.	Public sector customers including government departments, NHS trusts, and Police forces. Ideal for corporate business large and small, with high work volumes.
75 sheet RADF & 100 sheet DADF (MA5500ifx) document processor and automatic duplex printing are standard.	Double sided printing and double-sided copying is simple and fast.	Greatly improves productivity and saves paper by allowing 2-sided documents to be quickly printed, copied or scanned with ease.	Any business with medium to large workgroups of 100 plus users.
Powerful document processing and comprehensive network connectivity (Gigabit Ethernet standard and 2.4/5GHz wireless option).	Quickly scan single and double-sided documents to email, FTP or Network locations	Puts high productivity working on the desktop allowing users to quickly and efficiently turn hard copy documents into electronic files for sharing by email or archive on the network.	
Kyocera's award-winning K-Level security.	Keeps your confidential documents and the network safe.	Guarantees peace of mind.	All Businesses large and small.
Sustainability Credentials • Carbon Neutral products from a Carbon Neutral company • Enhanced Power Management • Long-life ceramic drums • Pulp material packaging • EPEAT Gold certification	Allows customers to reduce the Carbon footprint of their printing to the absolute minimum. Long-life components reduce running costs, user interventions and waste.	Helps customers to fulfil their (CSR) Corporate and Social Responsibility commitments. Saves energy costs, saves time and reduces environmental impact with certified production techniques and easy to recycle products.	Big business, public sector organisations and environmentally aware customers looking to reduce the energy usage, waste and carbon output of their business.
KYOCERA's long-life ceramic image drum technology delivers a toner only concept for most users.	Greatly reduces running costs and waste for higher print volume users.	Delivers the lowest running cost and lowest TCO for this class of product.	A very low Total Cost of Ownership is important to all customers big and small.

Product Dimensions

ECOSYS MA4500x/fx
ECOSYS MA4500ix/ifx

ECOSYS MA5500ifx

CASTER BASE HEIGHT

Options and Compatibility

NEW options are highlighted in GREEN below.

Paper Feed and Cabinet Options

Description	Type	SAP Number
Paper Feeder (500 sheets) white	PF-3110	1203SA0KL1
Bulk Paper Feeder (2,000 sheet) 60-220 gsm, PB-325 required. (Note: Cannot be used with additional paper feeders fitted)	PF-3100	1203S30KL0
Printer Base for PF-3100	PB-325	1903N10UN0
Face-up paper output tray 250 sheets. **(MA5500ifx & MA6000ifx only)**	PT-320	1203N70UN0
High Wooden Cabinet White (380x 410 x 510mm)	CB-360W-B	870LD00130
Low Wooden Cabinet White (380 x 410 x 250mm)	CB-365W-B	870LD00132
Caster Kit (can be used for P3xxx & M3xxx Series).	CA-3100	1903T50UN0

Interface and Other Options

Description	Type	SAP Number
USB Card authentication readers incl. "Card Authentication Kit (B) AC"	USB Card Readers	Local Purchase
Card Authentication Kit (Registration Key)	Authentication Kit (B) AC	870LSHW004
ThinPrint support (virtual item)	UG-33 AC	870LSHW005
Trusted Platform Module	UG-50	1503WW0UN0
Network Card, Giga bit Ethernet	IB-50	1505JV0UN0
Parallel IEEE1284 interface kit	IB-32B	1503N50UN1
Wireless LAN (802.11b/g/n 2.4GHz/5GHz) & Wi-Fi Direct	IB-37	1503T80UN0
Wireless LAN (802.11b/g/n, 2.4-GHz) & Wi-Fi Direct	IB-38	1503V10NL0

Memory Options

Description	Type	SAP Number
1 GB Memory Expansion	MM-20	1503WX0UN0
2 GB Memory 144 PIN	MM-21	1503WY0UN0
SD Card (32GB, Class 10)	Local Purchase	Local Purchase
64GB SSD hard drive	HD-17	1505MS0UN0
256GB SSD hard drive	HD-18	1505MT0UN0
512GB SSD hard drive	HD-19	1505MV0UN0

Consumables and Compatibility

Toners and Maintenance kits are shared with the PA6000 Series products, with the exception of the MA4500ix/ifx toner and Maintenance kit which is unique to these MFP's.

ECOSYS MA4500x/xf, MA4500ix/ifx & PA5500ifx

Description	SAP Number
ECOSYS MA4500x	110C133NL0
ECOSYS MA4500fx	110C123NL0
ECOSYS MA4500ix	110C113NL0
ECOSYS MA4500ifx	110C103NL0
ECOSYS MA5500ifx	110C0Z3NL0

Consumables

Description	Type	Life (Pages)	SAP Number
Toner Black (MA4500x/fx)	TK-3400	12,500	1T0C0Y0NL0
Toner Black (MA4500ix/ifx)	TK-3300	14,500	1T0C100NL0
Toner Black (MA5500ifx)	TK-3430	25,000	1T0C0W0NL0
Maintenance Kit (MA4500x/fx)	MK-3370	300,000	170C0Y8NL0
Maintenance Kit (MA4500ix/ifx)	MK-3070	300,000	170C108NL0
Maintenance Kit (MA5500ifx)	MK-3380	500,000	170C0T8NL0