

Sales Guide

MP 2554
MP 3054
MP 3554
MP 4054
MP 5054
MP 6054 series

Digital B&W Multifunctional Products

☑ Copier ☑ Printer ☑ Facsimile ☑ Scanner

nashuatec



MP 2554

25
ppm B&W

MP 3054

30
ppm B&W

MP 3554

35
ppm B&W

MP 4054

40
ppm B&W

MP 5054

50
ppm B&W

MP 6054

60
ppm B&W



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This sales guide is to be used by sales staff as a training aid. It is not a sales tool and should not be shared with customers. Whilst care has been taken to ensure the information provided in this guide is accurate, no liability will be accepted for errors or omissions.

1. Introduction

MP2554, MP3054, MP3554, MP4054, MP5054 and MP6054 comprise a new and interchangeable family of A3 black-and-white multifunctional products which range in speed from 25 to 60 ppm. The workflow solutions incorporate Nashuatec's Next Generation (GWNX) controller architecture and can print and copy in black-and-white and scan in full colour. Fax is offered as an option.

The new models are available in a choice of basic, SP, ZSP, ASP and AZSP configurations. MP3054, the only 'basic' model, is a black-and-white copier with an ARDF. All other models are supplied as print, copy and scan enabled MFPs. SP models are generally equipped with an ARDF* and ASP models with an SPDF (single pass duplex feed). ZSP models and AZSP models support Nashuatec's smart operation panel.

The compact MFPs deliver productive multifunctional performance at an affordable price. Ready to use within 15 seconds of powering up, they warm up faster than their competitors and deliver their first page quickly too. The QSU (quick start up) technology which drives their productive performance also ensures that they consume less energy than other MFPs in their class.

The MFPs complete a refresh of Nashuatec's low- to mid-volume A3 product range. MP2554, MP3054, MP3554, MP4054 and MP5054 are direct replacements for MP2553, MP3053, MP3353, MP4004 and MP5002 whilst MP6054 is a new high-speed addition to the mid-volume range. The family approach means that Nashuatec can provide a uniform solution to all workgroup imaging needs.

The new MFPs also share the same appearance, operating system and peripherals as Nashuatec's new low- to mid-volume colour A3 MFPs and can be installed as part of a uniform enterprise-wide solution that encompasses black-and-white and colour MFPs. Users, moving from one device to another, are instantly familiar with the common operating system.

The modular products are easily tailored to need. The paper capacity can be expanded to 4,700 sheets and finishing automated with the addition of a staple finisher, a stapleless finisher or a flat-fold booklet finisher. Functional upgrades include fax, PostScript and IPDS printing, and a secondary network interface which enables simultaneous connection to two print networks.

Models with a 'Z' suffix - MP2554ZSP, MP3054ZSP, MP3554ZSP, MP4054AZSP, MP5054AZSP and MP6054ZSP - feature Nashuatec's new smart operation panel. The intuitive interface is accessed via the large colour touchscreen display and navigated like a smart phone by tapping, flicking and pinching the screen to open applications and move from one menu to another.

Users can drag and drop applications onto the home page, scroll from one page to another, use quick-key one-touch settings, access widgets and view installed applications. The interface can be customised to users' individual requirements. If they are not comfortable with new smart operation panel (Z models*), users can quickly switch to Nashuatec's conventional menu driven system.

This guide explores the functionality of the products in more detail, explaining new features and identifying key selling points. It includes side-by-side comparisons with competitor products.



* MP6054SP is an anomaly. Although it has an SP suffix, it has ASP specifications and is equipped with an SPDF.

2. Quick Overview

The new models comprise a family of A3 black-and-white MFPs which range in speed from 25 to 60 ppm. They incorporate Nashuatec's Next Generation controller and can print and copy in black-and-white and scan in full colour. Fax is an option. The MFPs are available in a choice of basic, SP, ZSP, ASP and AZSP configurations. All models are network ready and support PCL printing.

The main specifications are:

- A3 black-and-white MFPs
- 25, 30, 35, 40, 50 and 60 ppm versions
- Basic, SP, ZSP, ASP and AZSP configurations
- Next Generation (GWNX) controller architecture
- B&W printing and copying, colour scanning*
- High capacity document server*
- Fax option
- PCL/ PS3 and IPDS printing* (std/opt)
- 1200 / 4700 sheet paper capacity (std/max)

* Printing, scanning and document server functionality are options for the basic model

Feed and finishing options include:

- Cabinet, or
550 sheet paper feed unit and caster table, or
2 x 550 sheet paper feed unit, or
2 x 1000 sheet tandem paper feed unit
- 1500 sheet side mounted large capacity tray
- 125 sheet 1-bin tray
250 sheet internal shift tray, or
250 sheet side tray, or
500 sheet internal finisher
(MP 2554/3054/3554/4054/5054), or
250 sheet stapleless internal finisher
(MP 2554/3054/3554), or
1000 sheet finisher, or
1000 sheet booklet finisher, or
3000 sheet finisher (MP 4054/5054/6054), or
2000 sheet booklet finisher (MP 4054/5054/6054)

A full list of options, order codes and configuration dependencies is provided in section 6. Configuration and Ordering.

Configuration by Model Type					
Model type	Basic	SP	ZSP	ASP	AZSP
Model name	MP 3054	MP 2554SP MP 3054SP MP 3554SP MP 4054SP MP 5054SP	MP 2554ZSP MP 3054ZSP MP 3554ZSP	MP 4054ASP MP 5054ASP MP 6054SP*	MP 4054AZSP MP 5054AZSP MP 6054ZSP
Standard configuration	ARDF	ARDF + Scanner/ Printer unit	ARDF + Scanner/ Printer unit + Smart Operation Panel	SPDF + Scanner/ Printer unit	SPDF + Scanner/ Printer unit + Smart Operation Panel
USB/SD card reader	standard	standard	standard	standard	standard
Network interface	standard	standard	standard	standard	standard
HDD/document server	option	standard	standard	standard	standard
Colour scanning	option	standard	standard	standard	standard
PCL printing	option	standard	standard	standard	standard
PS3 printing	option	option	option	option	option
IPDS printing	option	option	option	option	option
Fax	option	option	option	option	option

* MP 6054SP is an anomaly. Although it has an SP suffix, it has ASP specifications and is equipped with an SPDF.

Speed, Paper and Volume Capacity by Model Number							
		MP 2554	MP 3054	MP 3554	MP 4054	MP 5054	MP 6054
Speed	Warm up	<15 sec	<15 sec	<15 sec	<15 sec	<15 sec	<15 sec
	First page	4.6 sec	4.6 sec	4.3 sec	4.0 sec	2.9 sec	2.9 sec
	Continuous	25 ppm	30 ppm	35 ppm	40 ppm	50 ppm	60 ppm
	Double sided	25 ppm	30 ppm	35 ppm	40 ppm	50 ppm	60 ppm
Paper	Paper formats (min/max)	A6SEF / A3SEF (90x148mm / 304.5x600mm)					
	Paper feed capacity (std/max)	1,200 sheets (550+550+100) / 4,700 sheets (+2x1,000+1,500)					
	Output capacity (std/max)	500 sheets / 3,625 sheets					
	Document feed capacity (max)	100 sheets (ARDF)	100 sheets (ARDF)	100 sheets (ARDF)	100 sheets (ARDF) / 220 sheets (SPDF)	100 sheets (ARDF) / 220 sheets (SPDF)	100 sheets (ARDF) / 220 sheets (SPDF)
Volume	Average monthly volume	4,000	5,000	7,000	10,000	15,000	20,000
	Maximum monthly volume (5 year life)	15,000	20,000	30,000	50,000	50,000	50,000
	Monthly duty cycle	100,000	100,000	100,000	200,00	200,000	200,000
	PM cycle	120,000	120,000	120,000	160,000	160,000	160,000
	MCBC (mean copies between calls)	43,100	47,800	56,000	74,800	87,600	94,500
	Life	5 years or 900,000	5 years or 1,200,00	5 years or 1,800,000	5 years or 3,200,00	5 years or 3,200,00	5 years or 3,200,00

Weight and Dimensions by Model Number							
		MP 2554	MP 3054	MP 3554	MP 4054	MP 5054	MP 6054
Mainframe (weight / dimensions [wxdxh])		<60 kg / 587 x 680 x 788 mm					
Mainframe & ARDF (weight / dimensions [wxdxh])		<68.5 kg / 587 x 680 x 913 mm					
Mainframe & SPDF (weight / dimensions [wxdxh])		<74 kg / 587 x 680 x 963 mm					
Mainframe, ARDF & 2 tray paper bank (weight / dimensions [wxdxh])		<88.6 kg / 587 x 680 x 1,160 mm					
Mainframe, SPDF & 2 tray paper bank (weight / dimensions [wxdxh])		<94.1 kg / 587 x 680 x 1,210 mm					

3. Sales Highlights

Common design platform

The new black-and-white MFPs share the same intuitive user interface and peripheral options as Nashuatec's MPC2003/C2503/C3003/C3503/C4503/C5503/C6003 series colour MFPs. They can be installed as part of a uniform enterprise-wide imaging solution which incorporates both black-and-white and colour MFPs. Common functionality makes the equipment easier to use and simplifies administration.

- Uniform enterprise-wide imaging solution
- Same user interface and peripherals as Nashuatec's colour MFPs
- Colour touchscreen panel with intuitive menus
- Users are instantly familiar with the technology
- Common functionality simplifies fleet administration



Next generation controller

Nashuatec's new black-and-white MFPs also use the same advanced Next Generation (GWNX) controller architecture. Incorporating a specially developed ASIC (application specific integrated circuit) and a fast 1Ghz processor, the embedded controller architecture is able to process multiple applications such as printing, copying, scanning and fax communication simultaneously, speeding the workflow and improving productivity.

- Nashuatec's Next Generation (GWNX) controller architecture
- Powerful controller seamlessly handles multiple processes
- Supports a variety of standard and optional workflow tools
- Establish managed enterprise-wide document workflows
- Safeguard security and reduce costs



Workflow enabled

The embedded controller runs integrated applications which control the document infrastructure and automate work processes. Print output can, for example, be securely 'locked' until released by the originator and security information can be automatically appended to every document. The GWNX controller also supports Nashuatec and third-party print security and cost management solutions.

- Secure multilevel authentication
- Lock print and append security information
- Encrypt and password protect documents
- Create searchable PDFs with embedded OCR option
- Supports optional print security and cost management solutions



Ready configured

The new black-and-white MFPs represent excellent value for money. Configured ready to use, most models are print, copy and scan enabled, incorporate a powerful document server, and are equipped with either an ARDF or SPDF document feeder*. With a choice of engines ranging in speed from 25 to 60 ppm, there is solution to any need / budget constraint.

- Affordable black-and-white imaging technology
- Choice of 25, 30, 35, 40, 50 and 60 ppm print speeds
- Configured ready to use: no hidden configuration costs
- Network ready and print, copy and scan enabled*
- Equipped with a high speed duplex and an ARDF or SPDF

* Printing, scanning and document server functionality are options for the basic model



Tailor to need

Nashuatec's new black-and-white share the same peripheral options as Nashuatec latest colour MFPs and are easily tailored to operational need. The standard paper capacity of 1,200 sheets can be expanded to 4,700 sheets and finishing can be automated with the addition of an innovative stapleless finisher, a conventional staple finisher or a booklet finisher. Functional upgrades include fax and PS3 printing.

- Same peripherals as MP C2003/C2503/C3003/C3503/C4503/C5503/C6003
- Standard 1,200 sheet paper capacity can be extended to 4,700 sheets
- Choice of finishing options, including an innovative stapleless finisher
- PostScript, NetWare and IPDS print options
- Fax option provides G3, Internet, LAN and IP fax functionality



Productive performance

Nashuatec's new black-and-white MFPs are incredibly productive. Ready to use within 15 seconds of powering up, the top of the range MP 6054SP produces urgent one-off prints in less than three seconds and will power through long runs, producing high-quality single and double-sided output at a speed of 60 pages per minute.

- Quick start-up (QSU) technology
- Ready to use within 15 seconds of powering up
- Urgent one-off prints delivered in under 3 seconds (MP 6054)
- Single and double-sided output produced at full engine speed
- SPDF (model dependent) supports 180 ipm duplex colour scanning
































4. Product Positioning

- A3 black-and-white multifunctional products
- Designed to meet workgroup needs in the general office
- Complementary alternative to Nashuatec's latest A3 colour MFPs
- Same operating platform and peripherals, lower cost
- Next Generation (GWNX) controller architecture
- Uniform solution - colour and/or B&W - to all workgroup needs

MP2554, MP3054, MP3554, MP4054, MP5054 and MP6054 comprise a new and interchangeable family of A3 B&W multifunctional products. Designed for workgroup use in the general office, they share the same appearance, operating system and peripherals as Nashuatec's new low- to mid-volume colour A3 MFPs and can be installed as part of a uniform enterprise-wide solution which encompasses colour and black-and-white MFPs.

Nashuatec's workgroup range is broader than that of any competitor. There is a print, copy and scan enabled solution at every speed break and, with a wide choice of feed, finishing and functional options, the new MFPs can be configured to meet any operational need / budget constraint. The top-of-the-range MP 6054 meets growing customer demand for productive workgroup solutions by delivering exceptional performance at an affordable price.

>60 ppm	 MP6002 60 ppm	 Bizhub 654e 65 ppm	 TA 6501i 65 ppm	 iRA6265 65 ppm	Departmental MFPs Fast, high capacity
60 ppm	 MP6054 60 ppm	 Bizhub 554e 55 ppm	 TA 5501i 55 ppm	 iRA 6255 55 ppm	Workgroup MFPs Small to medium sized workgroups Versatile, easy-to-use, common platform, workflow enabled, low TCO Smaller workgroups Compact, multifunctional, colour scanning, A4 and A3 formats, low TCO
50 ppm	 MP5054 50 ppm	 Bizhub 454e 45 ppm	 TA 4501i 45 ppm	 iRA 4251 51 ppm	
40 ppm	 MP4054 40 ppm	 Bizhub 364e 36 ppm	 TA 3510i and TA 3501i 35 ppm	 iRA 4245 45 ppm	
35 ppm	 MP3554 35 ppm	 Bizhub 284e 28 ppm	 TA 3010i 30 ppm	 iRA 4235 35 ppm	
30 ppm	 MP3054 30 ppm				
25 ppm	 MP2554 25 ppm		 FS-6525MFP 25 ppm	 iRA 4225 25 ppm	
<25 ppm	 MP2001 20 ppm	 Bizhub 224e 22 ppm		 iR 2520 20 ppm	Satellite devices Low cost
	RICOH	 KONICA MINOLTA	 KYOCERA	Canon	

5. Comparison with Predecessor

The new products complete the refresh of Nashuatec's low- to mid-volume A3 product range. MP 2554, MP 3054, MP 3554, MP 4054 and MP 5054 are direct replacements for MP 2553, MP 3053, MP 3353, MP 4002 and MP 5002 whilst MP 6054 is a new addition to the range. The new models are identical in appearance, functionality and operation to Nashuatec's latest A3 colour MFPs and offer a uniform solution to all workgroup imaging needs.

Physical improvements include:

- Uniform B&W and colour ranges with common peripheral options
- MP 3554 (35 ppm) is 9% faster than MP 3353 (33 ppm)
- MP 6054 added to range as a compact, lower cost alternative to MP 6002 (ideal for customers with higher speed / lower volume requirements)
- New QSU (quick start up) DH fusing system
- Faster recovery from sleep mode and faster FCOT (first copy out time)
- Quieter operation, thanks to noise reduction technology
- Thicker paper support enables 300 gsm feed from standard trays
- Easier jam recovery (synchronised jam animation and LED guidance)
- Improved energy efficiency with lower TEC (typical energy consumption) ratings
- Compliant with Energy Star v2.0, BAM and EPEAT Gold environmental standards
- Flat fold booklet finishing and stapleless finishing options

New features include:

- MP 3554 (35 ppm) is 9% faster than MP 3353 (33 ppm)
- ZSP and AZSP models support Nashuatec's smart operation panel
- Single-click icon-based printer drivers
- XPS Direct Print (option)
- Additional network interface port (option) enables simultaneous connection to two print networks
- Centralised address book management
- Embedded OCR / searchable PDF (option)
- PDF support via optional MFP Browser
- MFP linkage via optional e-Sharing Box
- Remote shutdown
- Notification of auto-skipped print jobs

Features and advantages are described in section 8. Key Features



6. Configuration

Hardware Configuration

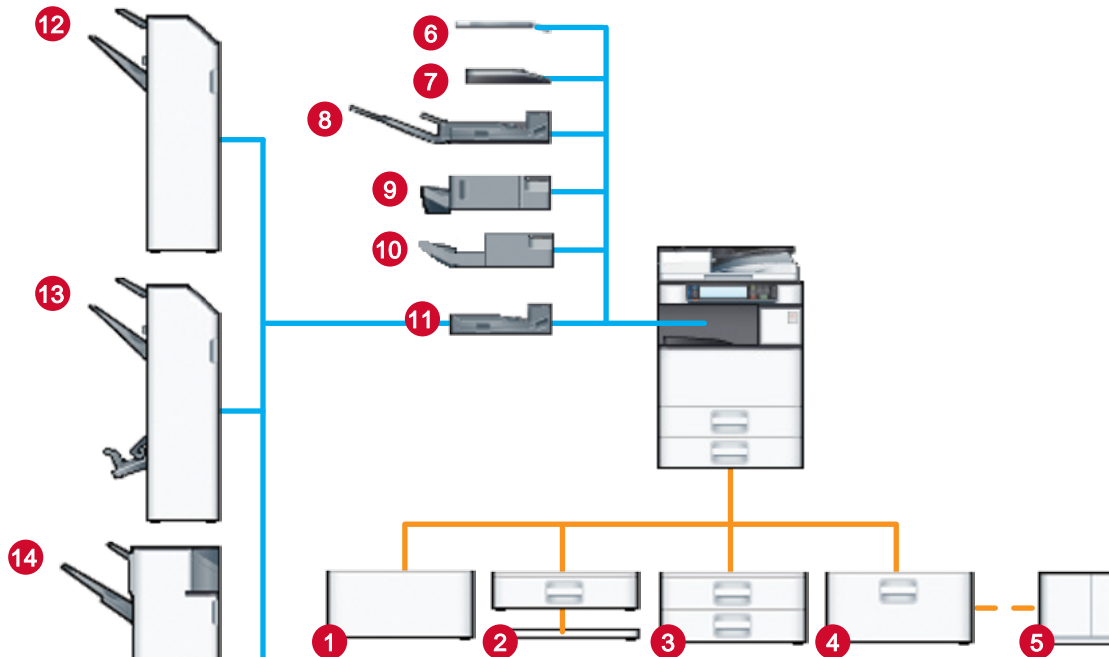
There are 15 preconfigured models. MP3054, the only 'basic' model, is a black-and-white copier and is equipped with an ARDF. All other models are supplied as print, copy and scan enabled MFPs. SP models are equipped with an ARDF, and ASP models with an SPDF (single pass duplex feed). ZSP models and AZSP models support Nashuatec's smart operation panel.



- 1 = 100 sheet ARDF (basic, SP and ZSP models), or, 220 sheet SPDF* (ASP and AZSP models)
- 2 = Standard operation panel (basic, SP and ASP models), or, Smart operation panel (ZSP and AZSP models)
- 3 = Interleaving duplex (internal)
- 4 = 100 sheet bypass
- 5 = 1 x 550 sheet paper tray
- 6 = 1 x 550 sheet paper tray

*MP6054SP is an anomaly. Although it has an SP suffix, it has ASP specifications and is equipped with an SPDF.

Peripheral Configuration



- 1 = Cabinet, or
- 2 = 550 sheet paper feed unit and caster table, or
- 3 = 2 x 550 sheet paper feed unit, or
- 4 = 2 x 1000 sheet tandem paper feed unit
- 5 = 1500 sheet side mounted large capacity tray
- 6 = 125 sheet 1-bin tray
- 7 = 250 sheet internal shift tray, or
- 8 = 250 sheet side tray, or
- 9 = 500 sheet internal finisher (MP2554/3054/3554/4054/5054 only), or
- 10 = 250 sheet stapleless inner finisher (MP2554/3054/3554 only), or
- 11 = Bridge unit
- 12 = 1000 sheet finisher, or
- 13 = 1000 sheet booklet finisher, or
- 14 = 3000 sheet finisher (MP4054/5054/6054 only), or
- 15 = 2000 sheet booklet finisher (MP4054/5054/6054 only)




7. Key Features

Mainframe		
Feature	Advantage	Benefit
I-Style concept	The MFPs follow Nashuatec's two-tone cubic I-Style design concept. Operational areas, such as the touchscreen display and delivery area are emphasised in black.	Smart modern appearance in keeping with other Nashuatec MFPs.
Uniform platform	The new MFPs share their appearance, operating system and peripherals with Nashuatec's new low- to mid-volume colour A3 MFPs.	Users are instantly familiar with the common operating system.
Compact design	The cubic design of the new MFPs means that they have a footprint of just 0.399 m ² .	Saves valuable office space.
Multifunctional product	The new MFPs offer 4-in-1 functionality. The machines are print, copy and scan enabled. Fax is an option.	Replace personal printers and other desktop devices, saving space and money.
Modular options	There is a selection of modular options for the new MFPs. They include fax and print upgrades, paper banks and LCTs and a variety of finishing options.	Using modular options, it is the solution can be tailored to operational need and budget.



Productivity		
Feature	Advantage	Benefit
Quick warm up *** Best-in-Class***	The new MFPs warm up faster than their competitors and are ready to print within 15 seconds of power up.	Saves time and reduces energy consumption.
Fast first page	The new MFPs have fast first copy out times. MP 6054 will, for example, produce its first print in less than 3 seconds.	One-off print and copies are ready faster, reducing delays and helping to maintain office productivity.
Full speed duplex	The integral duplex runs at full engine speed.	There is no reduction in productivity when printing two-sided.

Paper Handling		
Feature	Advantage	Benefit
A3 print engine	The new MFPs handle paper formats from A6 to A3 and paper sizes from 90mm x 148mm to 304.8mm x 600mm.	A single device will meet A3 and A4 print needs.
Large paper capacity 	The standard paper capacity of 1,200 sheets (2 x 500 sheet trays + 100 sheet bypass) can be expanded to 4,700 sheets (maximum) with the addition of a 2 x 1,000 sheet tandem LCT and a 1,500 sheet side LCT.	Hold different paper formats and stock online and reduce downtime related to paper replenishment.
Thick paper support	The regular paper trays, optional paper banks and LCTs support paper weights of 60 to 300 gsm, the bypass supports paper weights of 52 to 300 gsm and the duplex supports paper weights of 52 to 256 gsm.	Print reliably onto letterhead paper, bond stock and other non-standard media.
Envelope printing	The standard paper trays also support multi-feeding of envelopes.	Speed mailing process by printing addresses onto envelopes.

Document Feeder		
Feature	Advantage	Benefit
High capacity ARDF	Basic, SP and ZSP models are supplied with a high capacity ARDF. Up to 100 documents can be fed in a single batch. Colour and B&W documents are scanned at a speed of 80 ipm.	Automates scanning process



Single pass duplex feed (SPDF)



ASP and AZSP models are supplied with a high capacity SPDF (single pass duplex feed). Up to 220 documents can be fed in a single batch. The SPDF scans both sides in single pass. Colour and B&W documents are scanned at a speed of 110 ipm (simplex) and 180 ipm (duplex).

Speeds scanning process. Particularly useful in applications where large batches of documents are regularly scanned or copied.

Finishing

Feature	Advantage	Benefit
<p>Inner finisher (option for MP 2554/3054/3554/4054/5054)</p> 	<p>A 500 sheet staple finisher can be fitted inside the catch tray.</p>	<p>Compact and affordable finisher collates and staples documents.</p>
<p>Stapleless finisher (option for MP 2554/3054/3554)</p>	<p>A stapleless finisher can be fitted inside the catch tray. It allows up to five sheets of paper to be bound using a punch-press action.</p>	<p>Low cost, eco-friendly system collates and binds documents.</p>
<p>Flat-fold booklets (option for MP 4054/5054/6054)</p> 	<p>The optional SR 3170 2,000 sheet booklet finisher compresses the spine of folded documents to produce booklets with flat-folded appearance</p>	<p>Improves the appearance and professionalism of finished documents.</p>

Connectivity

Feature	Advantage	Benefit
<p>Network ready</p>	<p>The new MFPs are equipped with a gigabit ethernet interface and there are parallel, wireless and bluetooth interface options.</p>	<p>Workgroup users can share the same device, improving access.</p>
<p>USB device server (option)</p>	<p>The USB device server provides a secondary network interface port which allows the MFPs to connect simultaneously to two print networks.</p>	<p>Support customers, such as banks, hospitals and schools, who run separate open and closed networks.</p>


Controller		
Feature	Advantage	Benefit
Next Generation (GWNX) Controller	An advanced embedded controller which runs integrated applications.	Simplifies operation, automates processes and safeguards document security.
Colour touchscreen display	9 inch touchscreen display with intuitive menu system.	Simplifies operation and improves the users' experience.
Smart device interface (ZSP and AZSP models)	Icon based user interface which is navigated in a similar fashion to a smart phone.	Alternative to Nashua's standard frame-based user interface (SP and ASP models) which provides a more intuitive user experience.
One touch settings (ZSP and AZSP models)	Top level menus provide simple one-touch copy, scan and fax functionality. Default settings are clearly marked. Should the user need to change settings, they simply press the appropriate icon to access second level options.	One-touch settings, accessed via the smart operation panel (ZSP and AZSP models) simplify operation and improve productivity.
Simple screen key	Toggles between simplified and full menus.	Simplifies operation with complex menu choices hidden unless required.
Customisable image area	An image, such as a corporate logo, can be displayed on the operational panel.	Use of a company logo will improve the users' affinity with the machine.
Document server	The 320 GB hard drive acts as document server and can be used to archive up to 3000 documents or 9000 pages.	Reduce costs by printing regularly used documents on demand instead of holding pre-printed stock on the shelf.



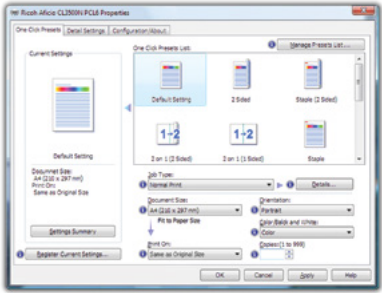
Security

Feature	Advantage	Benefit
Data Overwrite Security	Overwrites temporary data held on the hard drive up to nine times with random data.	Protects security by ensuring that temporary data cannot be recovered.
HDD Encryption	Encrypts the address book, authentication information and stored documents.	Protects security by encrypting documents.
Quota scheduling	The administrator can limit the output of individual users and user groups by setting page count limits.	Establishes governance over the print environment and reduces print volume.
Banner page print	A job sheet can be printed before a print job which identifies the originator.	Makes it easier to identify work in a busy environment.
Mandatory hold print	When mandatory hold print is activated by the administrator, print output is held in the document server until released at the printer by the originator.	Protects confidentiality and reduces waste.
Mandatory security information	Automatically append security information such as the user ID, date, time, IP address and printer serial number to every document printed.	Improves document security by establishing a printed audit trail.
Fax output timer (requires fax option)	The administrator can set a time schedule for fax output. Fax messages are held in memory and printed at the predetermined time.	Reduces the risk of fax messages being read by unauthorised personnel or inadvertently picked up along with other documents.

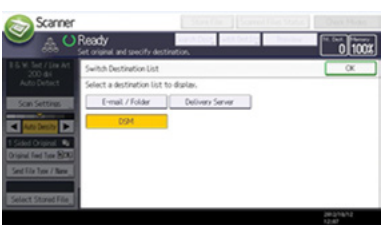
Portable Media


Feature	Advantage	Benefit
USB/SD card reader 	There is a USB/SD card reader located to the side of the control panel.	Improves access by enabling walk up users to print from / scan to flash memory.
Media print settings	Print settings such as double sided printing and booklet printing can be applied to documents held on the USB/SD card.	Improves functionality enhances the quality of printed documents.
Media print preview	Documents held on the USB/SD card can be previewed at the control panel. The preview is displayed with selected print settings applied.	Reduces waste by ensuring that the right documents are selected and printed in the format required.
Multiple file selection	It is possible to select and print multiple JPEG, TIFF or PDF files held in the same folder of a USB/SD card.	Speeds production with the user able to print multiple files in a single operation.
PDF viewer (requires MFP browser option)	PDF files can be downloaded, viewed and printed from the control panel of the MFP.	Enables PDF documents, such as brochures, menus and manuals to be downloaded and printed.

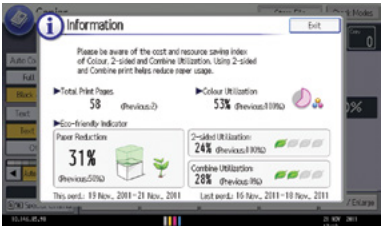
Printing

Feature	Advantage	Benefit
Point and print icons 	The standard PCL print driver and optional PS3 print driver have graphic icons which allow single click selection of complex settings.	Simplifies the print process, saving time.
PostScript 3 (option)	A genuine PostScript driver is available as an option.	Print PostScript, PDF and XPS files accurately.
IPDS (option)	Nashua's genuine IPDS option enables bi-directional print communication with i-Series host computers.	Improve ROI by using the MFP to print invoices and other transactional documents.
Scheduled print	Users can specify a time at which documents are to be printed.	Reduces printer bottlenecks. Time-consuming jobs such as invoicing can be scheduled to run overnight or at the weekend.
AirPrint support* *subject to confirmation	Print e-mails, photographs and web pages directly from an Apple iPhone or iPad using a wireless network.	Improves access and simplifies print process.
Mail to Print	Send an e-mail with attached data directly to the MFP for printing.	Improves access and simplifies print process.
PDF direct print	PDF documents can be printed directly to a PostScript enabled MFP. The files are processed by the MFP rather than the PC.	Releases computer resource and reduces network traffic.
XPS direct print (requires XPS option)	The new MFPs also support XPS direct print. XPS is an XML based document format similar to PDF which is being promoted by Microsoft.	Compatible with newly emerging print format.

Digitisation

Feature	Advantage	Benefit
Colour scanning	The new MFPs scan documents in full colour at a resolution of up to 1,200 dpi.	Improves access to information and reduces copy volumes by enabling information to be shared electronically.
Distributed scan management (DSM) 	The administrator can pre-set scanning conditions and destinations for users.	Simplifies the scanning process.

Encrypted PDF transmission	PDF documents scanned to e-mail, saved to the document server or to another network location can be encrypted and password protected.	Protects confidential information.
Enhanced encryption level	The user can select secure encryption algorithms. Supported algorithms include AES256bit (used by the US government, NESSIE in the EU and CRYPTREC in Japan) and SHA-2 (used by the US National Security Agency).	Encryption complies with government and industry regulatory standards.
PDF/A 	PDF/A is an ISO standard for the long-term archiving of electronic documents. The format locks the document to maintain its originality and records within the document a 'Device Certificate'.	Document format complies with government and industry regulatory standards.
Searchable PDF (requires OCR option)	The document text is recognised and saved along with the original document.	Improves access to information as documents can be searched for using keywords, and text within the document can be edited.

Environment		
Feature	Advantage	Benefit
Power on/off timer	The power on/off timer switches the machine on and off at specified times.	Ensures the machine is ready for use and saves energy by switching the machine off when it is not required.
Remote shutdown	If the on/off timer isn't activated and the MFP is left on, the administrator can shut it down remotely.	Additional control feature which helps the administrator conserve energy.
Eco-information screen 	A pop-up, visible at the control panel, reports green metrics, such as the number of double sided prints.	Encourages sustainable print behaviour.
QSU (quick start up) technology	The newly developed fusing system incorporates a heated fusing belt and straight paper path in place of a conventional heating roller.	Reduces the warm up time and the first copy out time, and minimises energy consumption.

<p>Low TEC (total energy consumption)</p> <p>*** Best-in-Class***</p>	<p>Thanks their QSU technology and other energy saving features, the new MFPs are the most energy efficient in their class. MP2554SP for example, has a TEC rating of just 858 Wh.</p>	<p>Save energy and reduce carbon emissions by using energy efficient technology.</p>
<p>Energy Star v2, BAM and EPEAT Gold</p>	<p>The new MFPs are compliant with the latest environmental standards, including Energy Star v2, Blue Angel Mark (BAM) and EPEAT Gold.</p>	<p>Don't just take Nashua's word for it; third party certification proves that these devices are eco-friendly.</p>



8. Specifications

Model Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054		
Model	Version	Standard configuration
MP 2554 (25 ppm)	MP 2554SP	ARDF + Scanner/Printer unit
	MP 2554ZSP	ARDF + Scanner/Printer unit + Smart Operation Panel
MP 3054 (30 ppm)	MP 3054 (Basic)	ARDF
	MP 3054SP	ARDF + Scanner/Printer unit
	MP 3054ZSP	ARDF + Scanner/Printer unit + Smart Operation Panel
MP 3554 (35 ppm)	MP 3554SP	ARDF + Scanner/Printer unit
	MP 3554ZSP	ARDF + Scanner/Printer unit + Smart Operation Panel
MP 4054 (40 ppm)	MP 4054SP	ARDF + Scanner/Printer unit
	MP 4054ASP	SPDF + Scanner/Printer unit
	MP 4054AZSP	SPDF + Scanner/Printer unit + Smart Operation Panel
MP 5054 (50 ppm)	MP 5054SP	ARDF + Scanner/Printer unit
	MP 5054ASP	SPDF + Scanner/Printer unit
	MP 5054AZSP	SPDF + Scanner/Printer unit + Smart Operation Panel
MP 6054 (60 ppm)	MP 6054SP	SPDF + Scanner/Printer unit
	MP 6054ZSP	SPDF + Scanner/Printer unit + Smart Operation Panel

Engine Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054		
First print speed		4.6 / 4.6 / 4.3 / 4.0 / 2.9 / 2.9 sec (A4 LEF)
Engine speed		25 / 30 / 35 / 40 / 50 / 60 ppm (A4 LEF)
Duplex speed		25 / 30 / 35 / 40 / 50 / 60 ppm (A4 LEF)
One to one copy speed		25 / 30 / 35 / 40 / 50 / 60 cpm (A4 LEF, no R/E)
Resolution	Scan	600 dpi / 3 × 8 bit (colour)
	Copy	600 dpi / 2 bit
	Print	1200 dpi / 1 bit
Memory		2.0 GB
Hard disk drive		320 GB ¹
Input paper capacity		1 200 / 4 700 sheets (std/max)
Output paper capacity		500 / 3 625 sheets (std/max)
Dimensions (wxdxh)		587 × 680 × 913 mm (+ ARDF) 587 × 680 × 963 mm (+ SPDF)
Weight machine		68.5 kg (+ ARDF) 74.0 kg (+ SPDF)

¹ Option for MP 3054 Basic

Paper Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054

		Capacity (measured with A4 80 g/m ²)	Size	Weight
Paper tray 1		550 sheets	A3 - A6	60 - 300 g/m ²
Paper tray 2		550 sheets	A3 - A6	60 - 300 g/m ²
Bypass tray		100 sheets	A3 - A6	52 - 300 g/m ²
1-Tray paper bank* PB3150		550 sheets	A3 - A5	60 - 300 g/m ²
2-Tray paper bank* PB3210		550 sheets (x2)	A3 - A5	60 - 300 g/m ²
LCIT* PB3170		1 000 sheets (x2)	A4	60 - 300 g/m ²
LCT* RT3030		1 500 sheets	A4 - B5	60 - 300 g/m ²
Duplex unit		Unlimited	A3 - A6	52 - 256 g/m ²
ARDF DF3090	Simplex	100 sheets	A3 - B6	40 - 128 g/m ²
	Duplex	100 sheets	A3 - A5	52 - 128 g/m ²
SPDF DF3080	Simplex	220 sheets	A3 - B6	40 - 128 g/m ²
	Duplex	220 sheets	A3 - A5	52 - 128 g/m ²
Internal output tray	Standard	500 sheets	A3 - A6	-
	Bridge unit*	250 sheets	A3 - A6	-
Side tray* Type M3		125 / 250 sheets	A3 - B4 / A4 - A6	52 - 300 g/m ²
1-Bin tray* BN3110		125 sheets	A3 - A5	52 - 300 g/m ²
Internal shift tray* SH3070		250 sheets	A3 - A6	52 - 300 g/m ²
Stapleless Finisher* ¹ SR3180	Shift tray	125 / 250 sheets	A3 - B4 / A4 - B5	52 - 300 g/m ²
	Staple power	2 - 5 sheets	A3 - B5	64 - 80 g/m ²
Internal Finisher* ² SR3130	Shift tray	500 sheets	A3 - A6	52 - 300 g/m ²
	Staple	50 sheets	A3 - B5	52 - 105 g/m ²
	Punch*	-	A3 - B5	52 - 163 g/m ²
Finisher* SR3140	Shift tray	1 000 sheets	A3 - A6	52 - 300 g/m ²
	Proof tray	250 sheets	A3 - A6	52 - 169 g/m ²
	Staple	50 sheets	A3 - B5	52 - 105 g/m ²
	Punch*	-	A3 - A5	52 - 256 g/m ²
Finisher* ³ SR3160	Shift tray	3 000 sheets	A3 - A6	52 - 300 g/m ²
	Proof tray	250 sheets	A3 - A6	52 - 220 g/m ²
	Staple	50 sheets	A3 - B5	52 - 105 g/m ²
	Punch*	-	A3 - A5	52 - 256 g/m ²
Booklet Finisher* SR3150	Shift tray	1 000 sheets	A3 - A6	52 - 300 g/m ²
	Proof tray	250 sheets	A3 - A6	52 - 169 g/m ²
	Staple	50 sheets	A3 - B5	52 - 105 g/m ²
	Saddle Stitch	15 sheets	A3 - B5	52 - 105 g/m ²
	Punch*	-	A3 - A5	52 - 256 g/m ²

Booklet Finisher* ³ SR3170	Shift tray	2 000 sheets	A3 - A6	52 - 300 g/m ²
	Proof tray	250 sheets	A3 - A6	52 - 220 g/m ²
	Staple	50 sheets	A3 - B5	52 - 105 g/m ²
	Saddle Stitch	20 sheets	A3 - B5	64 - 105 g/m ²
	Punch*	-	A3 - A5	52 - 256 g/m ²

* Option

¹ ≠ MP4054 / MP5054 / MP6054

² ≠ MP6054

³ ≠ MP2554 / MP3054 / MP355

Copier Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054		
General	Multi copy:	Up to 999
	Enlargement:	5x (115, 122, 141, 200, 400%)
	Reduction:	7x (93, 82, 75, 71, 65, 50, 25%)
	Zoom:	25% - 400% (1% steps)
	Auto Magnification Selection:	Standard
	Auto Paper Selection:	Standard
	Auto Tray Switch:	Standard
	Original mode:	Text, Text/Photo, Photo, Pale, Generation
Sorting	Electronic Sort:	Standard
	Shift Sort:	Option
	Rotate sort:	Standard
	Stack:	Standard
Document creation	Book to simplex:	Standard
	Duplex to simplex:	Standard
	Combine (x-in-1):	Standard
	Magazine mode:	Standard
	Chaptering:	Standard
	Cover-sheet insertion:	Standard
	Paper designate:	Standard
	OHP Slip sheet:	Standard
	Double Copy:	Standard
	Sample Copy:	Standard
Programming	User Program:	Standard (25)
	User Codes:	Standard (1 000)
	Job Preset:	Standard
	Job Interrupt:	Standard
	Special Paper Display:	Standard
	2 Language Panel Switch:	Standard

Image Editing	Centre/Border Erase:	Standard
	Margin Adjustment:	Standard
	Centring:	Standard
	Image Repeat:	Standard
	Colour Conversion:	Not applicable
	Colour Erase:	Not applicable
	Colour background:	Not applicable
Stamp	Page Numbering:	Standard
	Date:	Standard
	Background Numbering:	Standard
	User Stamp:	Standard
	Preset Stamp:	Standard

Printer Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054		
General	Memory:	2.0 GB
	Harddisk:	320 GB
	Printer languages:	PCL5e/6, XPS*, Adobe PostScript3*, IPDS*
	Interfaces:	Gigabit Ethernet, USB, SD slot, Wi-Fi*, Bluetooth*, Parallel*, Gigabit Ethernet (2nd)*
	MS Windows driver support:	Win XP/Vista/7/8/Server 2003(R2)/Server 2008(R2)/Server 2012
	WSD support:	Standard
Printer Features	PDF Direct Print:	Standard
	Sample Print:	Standard
	Locked Print:	Standard
	Hold Print:	Standard
	Stored Print:	Standard
	PictBridge compatible:	No
	Print from USB/SD:	Standard
Others	DDNS compatible:	Standard
	NDPS Gateway (Novell):	Standard
	Bonjour (Macintosh OS X):	Standard
	Unix Filter (Unix/Linux):	Standard
	CUPS support (Unix/Linux):	Standard
	Custom Device Type (SAP/R3):	Standard
	Device Option Utility (Citrix):	Standard
	HPT Support (IBM AS/400):	Standard

* Option

Scanner Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054

General	Optical resolution:	600 dpi / 3x8 bit
	Preset resolution:	100 / 200 / 300 / 400 / 600 dpi
	Scan speed:	ARDF: 80 ipm (A4, 300dpi) SPDF: 110/180 ipm ¹ (A4, 300dpi)
	Scan area:	297 x 432 mm (contact glass) A3 (ARDF / SPDF)
	Interfaces:	Gigabit Ethernet, USB, SD slot, Wi-Fi*
	WSD support:	Standard
	sRGB support:	No
	LDAP search:	Standard
	Preview before transmission:	Standard
	File format:	Single/Multi page TIFF Single JPEG Single/Multi page PDF High compression PDF
Features	Scan to e-mail:	Standard
	Scan to URL:	Standard
	Scan to SMB:	Standard
	Scan to NCP:	Option
	Scan to FTP:	Standard
	Scan to USB/SD:	Standard
	Network TWAIN:	Standard

* Option

¹ = Simplex / Duplex

Interface Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054

USB 2.0 type A/B	Data Transmission Speed:	12 / 480 Mbps (FullSpeed / Hi-Speed)
1000Base-T (Gigabit Ethernet)	Data Transmission Speed:	1000, 100, 10 Mbps
	Protocol:	TCP/IP, IPX/SPX*
1000Base-T* (Gigabit Ethernet)	Data Transmission Speed:	1000, 100, 10 Mbps
	Protocol:	TCP/IP, IPX/SPX*
IEEE802.11a/b/g/n* (Wireless LAN)	Data Transmission Speed:	11 - 22 / 54 / 65 - 600 Mbps
	Protocol:	TCP/IP, IPX/SPX*
	Security:	WEP / WPA / WPA 2
Bluetooth*	Data Transmission Speed:	1 Mbps
	Distance:	10 m (max)
IEEE1284* (Parallel)	Data Transmission Speed:	0.5 - 2 Mbps

* Option

Fax Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054

General	Circuit:	PSTN, PBX
	Compatibility:	ITU-T G3
	Number of lines:	1 / 3 × Super G3 (std/max)
	Resolution:	Standard (200 × 100 dpi) Detail (200 × 200 dpi) Fine (200 × 400 dpi) Super fine (400 × 400 dpi)*
	Compression method:	MH, MR, MMR, JBIG
	Scanning speed:	< 1 seconds per page
	Modem speed:	33.6 Kbps
	Transmission speed ¹ :	~ 2 seconds
	LDAP support:	Standard
	SAF memory:	4 / 60 MB (std/max)
	Memory backup:	1 hour
	Quick/Speed dial:	2 000
	Group dial:	100
	Fax Features	Book Fax:
Fax Forwarding:		Standard
LAN Fax:		Standard
IP Fax (ITU-T T.38):		Standard
Internet Fax (ITU-T T.37):		Standard (Full Mode)

¹ ITU-T No. 1 chart (Serexe) in standard mode, JBIG

* Option

Security Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054

Authentication	Windows Authentication:	Standard
	LDAP Authentication:	Standard
	Basic Authentication:	Standard
	User Code Authentication:	Standard
	Integration Server Authentication:	Standard
	SMTP Authentication (email):	Standard
	POP before SMTP (email):	Standard
NIB Access Control	IP range restriction:	Standard
	IP port restriction:	Standard
	Protocol restriction:	Standard
Encryption	SSL (IPP/WEB/SDM):	Standard
	IPsec:	Standard
	S/MIME (email):	Standard

	SNMPv3 (SDM):	Standard
	HDD encryption:	Standard
	Addressbook encryption:	Standard
	PDF Password encryption:	Standard
	Authentication password encryption:	Standard
	WPA2 (Wireless LAN):	Standard
Others	Data Overwrite Security:	Standard
	Locked print:	Standard
	Protect Stored Documents (DS):	Standard
	MFP Menu protection:	Standard
	Unauthorized Copy Control (print):	Standard
	Copy Data Security Unit (copy):	Option (Type H)

Environmental Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054

Energy Consumption	Operating mode:	513 / 513 / 513 / 570 / 822 / 822 W
	Ready mode:	54.6 / 54.6 / 54.6 / 81.4 / 81.4 / 81.4 W
	- Warm-up time:	14 seconds
	Off/Sleep mode:	Smart operation panel: 0.72/0.72/0.72/0.76/0.76/0.76 W
		Standard operation panel: 0.49/0.46/0.46 0.48/0.48/0.48 W
	- Recovery time:	4.9 / 4.9 / 5.1 / 5.1 / 5.6 / 5.6 seconds
	Maximum energy use:	1600 / 1600 / 1600 / 1780 / 1780 / 1780 W
	TEC (Energy Star):	Smart operation panel: 906/1131/1359/1659/2291/2802 W/h
Standard operation panel: 858/1092/1321/1607/2253/2719 W/h		
Emission & Design for Recycling	TVOC emission:	0.94 / 0.44 / 0.44 / 0.79 / 1.85 / 1.85 mg/h
	Dust emission:	0.40 / 0.31 / 0.31 / 0.75 / 0.69 / 0.69 mg/h
	Noise (Sound Power) Operating:	59.5 / 59.7 / 61.0 / 62.2 / 64.2 / 64.9 dB (mainframe)
		68.2 / 69.1 / 71.2 / 70.3 / 71.4 / 71.1 dB (full)
	Noise (Sound Power) Standby:	31.7 / 31.8 / 31.7 / 32.2 / 32.3 / 32.7 dB
	PxP Toner:	No
	Toner Cartridge Recycling:	Not applicable
Compliance to Labels, ISO standards and Legislation	Energy Star V2:	Yes
	Blue Angel (BAM):	Yes
	ISO 9001:2000 (Quality):	Yes
	ISO 14001 :2004 (Environment):	Yes
	ISO 18001 (Health and Safety):	Yes
	ISO 11469 / ISO 1043 (Plastic):	Yes
	WEEE:	Yes
	RoHS:	Yes



9. Service and Supplies

MP 2554/3054/3553/4054/5054/6054 series black-and-white MFPs should be maintained by a trained service engineer. Like other **Nashuatec** MFPs, service is likely to be offered on a toner inclusive Pay per Page (PpP) basis.

PpP servicing offers the following customer advantages:

- Visibility and control of print costs
- Transparent all-inclusive price
- Low pre-agreed page cost
- Dedicated national/international service operation
- Remote monitoring and diagnostics (@Remote)
- Telephone and field support

The new products have similar running costs to their predecessors. Although the running costs are similar, sales people must refer to their service or sales management for actual service pricing.

The new machines are reliable and resilient. Service targets are provided in the table below. To put the numbers in perspective: MP 3054SP has a target MCBC (mean copies between calls) of 47,800 pages which means that a customer producing the average targeted volume of 5,000 pages a month, might expect to need a service visit once every 9 to 10 months.

MP 5054SP has a target MCBC (mean copies between calls) of 87,600 pages which means that a customer producing the average targeted volume of 15,000 pages a month, might expect to need a service visit once every 5 to 6 months.

Using @Remote, the devices can be monitored in real-time enabling **Nashuatec's** service operation to identify issues before they become apparent to users and deliver consumable items such as toner in advance of need.

Service and supply specifications are provided below:

Service and Supply Specifications - MP 2554 / MP 3054 / MP 3554 / MP 4054 / MP 5054 / MP 6054			
Model		MP 2554 / MP 3054 / MP 3554	MP 4054 / MP 5054 / MP 6054
Toner yield ¹		24,000 prints	37,000 prints
Developer yield		120,000 prints	160,000 prints
Photoconductor		120,000 prints	160,000 prints
Print Volume	APV	4,000 / 5,000 / 7,000 prints	10,000 / 15,000 / 20,000 prints
	MPV	15,000 / 20,000 / 30,000 prints	50,000 prints
	Duty	100,000 prints	200,000 prints
Maintenance	PM cycle	120,000 prints	160,000 prints
	MCBC	43,100 / 47,800 / 56,000 prints	74,800 / 87,600 / 94,500 prints
Machine life		5 years or 900K / 1,200K / 1,800K prints	5 years or 3,200K prints

¹ A4 paper, 6% toner coverage