

Sales Guide

nashuatec

SP 5300DN SP 5310DN

Productive and reliable A4 printers

✔ Printer



SP 5300DN

50
ppm B/W

SP 5310DN

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

SP 5300DN and SP 5310DN are A4 black-and-white printers. Fast, reliable and easy to support, they will effortlessly meet the demanding print requirements of large workgroups. And, because they are solutions capable, they can be installed alongside other Ricoh GWNX workflow enabled products as part of a controlled enterprise-wide managed print solution

Business letters, reports and invoices are delivered at speed. With a new superfast 1.46 GHz Intel processor effortlessly handling complex files, the first immaculately presented 1,200 x 1,200 dpi resolution print is ready in just 6 seconds and, to support productive working, multipage document sets are delivered at speeds of 50 or 60 pages per minute (SP 5300DN and SP 5310DN).

The standard 600 sheet paper supply (500 sheet tray and 100 sheet bypass) can be expanded to 2,600 sheets with the addition of up to four 500 sheet paper trays. Different media, including letterhead paper, bond stock and labels, can be held online, simplifying the print process and, with the printers able to automatically switch trays, SP 5300DN and SP 5310DN can print virtually non-stop.

There is of course more to productive performance than just speed and capacity. SP 5300DN and SP 5310DN are durable and require very little support. The printers, which have long life drums, are maintenance-free up to 500,000 pages. For many customers - those producing up to 8,333 pages a month - that equates to maintenance-free printing over the five year life of the printer.

Because governance is a concern for many public and private sector customers. SP 5300DN and SP 5310DN incorporate the latest GWNX controller architecture (15S) and can be installed as part of a controlled enterprise-wide managed print solution. When equipped with the optional 320 GB hard drive and VM card, SP 5300DN and SP 5310DN can run optional workflow solutions, such as StreamLine NX.

PostScript printing is included as standard and Ricoh's PCL and PS3 print drivers have graphic icons which allow single click selection of complex settings. Improving workforce mobility, the new printers also offer seamless interaction with users' smart phones and tablets. Using Ricoh's Smart Print and Scan app, employees can easily print documents received on their smart devices.

The new printers replace SP 5200DN and SP 5210DN, strengthening Ricoh's A4 black-and-white range by extending the top-end print speed from 50 ppm to 60 ppm. Other major improvements include a faster and more responsive processor (1.46 GHz vs 533 MHz), extensive solutions capability (including StreamLine NX), enhanced image quality (1,200 x 1,200 dpi vs 1,200 x 600 dpi) and more durable performance (maintenance-free up to 500,000 pages).

SP 5300DN and SP 5310DN launch into a sector that is enjoying rapid growth. According to IDC, 1.25 million higher speed (45 to 69 ppm) A4 black-and-white printers and MFPs were sold worldwide in 2015. That figure will rise to more than 1.5 million by 2019, of which two thirds will be printers. The new printers are of strategic importance to Ricoh given the potential document volume.

This guide explores the functionality of the new products in more detail, highlighting sales opportunities and identifying key selling points. It also provides side-by-side competitor comparisons.



2. Sales Highlights

Productive performance

Showing an impressive turn of speed, SP 5300DN and SP 5310DN will effortlessly meet the demanding print requirements of large workgroups. With a new superfast 1.46 GHz Intel processor effortlessly managing complex files and 2GB RAM, the first immaculate 1,200 x 1,200 dpi print is ready in just 6 seconds and multipage document sets are delivered at a speed of 50 or 60 pages per minute (SP 5300DN and SP 5310DN).

- New superfast 1.46 GHz Intel processor ensures responsive performance
- Complex files are processed in the blink of an eye and printed at speed
- First immaculate 1,200 x 1,200 dpi print ready in just 6 seconds
- Multipage document sets are produced at a speed of 50 or 60 pages per minute
- High speed duplex maintains productivity when printing double sided



High capacity

Printing quickly is fine until a printer runs out of toner or paper. Ricoh's new printers support high-volume print requirements. They have high yield toner cartridges, capable of producing up to 25,000 prints (ISO 19752), and the paper capacity can be expanded to 2,600 sheets with the addition of up to four 500 sheet paper trays. Automatically switching paper trays, SP 5300DN and SP 5310DN will print virtually non-stop.

- SP 5300DN and SP 5310DN support high-volume print requirements
- High yield toner cartridges produce 25,000 prints between replenishment (ISO 19752)
- To meet high-volume requirements, the paper capacity can be increased to 2,600 sheets
- Automatically switching trays, SP 5300DN and SP 5310DN will print virtually non-stop
- With up to 5 feed stations, different media can be held on-line, simplifying print processes



Maintenance-free

There is more to productive performance than just speed and capacity. SP 5300DN and SP 5310DN are highly durable and require very little support. The new printers, which have long life drums, can produce 500,000 pages before maintenance parts need replacing. For many customers - those producing up to 8,333 pages a month - that equates to maintenance-free printing over the five year life of the printer, saving time and money.

- SP 5300DN and SP 5310DN are highly durable and require minimal support
- 250,000/275,000 page duty cycle ensures reliable performance
- Long life drum and extended maintenance cycle contribute to low page cost
- Maintenance parts do not need to be replaced until 500,000 pages have been printed
- Entirely maintenance-free for customers producing up to 8,333 pages a month (60 months)



Controlled workflow

SP 5300DN and SP 5310DN incorporate the latest GWNX controller architecture (15S) and can be installed as part of a managed enterprise-wide workflow solution alongside other Ricoh GWNX enabled products. Print output can be locked and security information automatically appended to documents and, when equipped with the optional hard disk drive and VM card, SP 5300DN and SP 5310DN can run embedded workflow solutions, such as StreamLine NX.

- Can be installed as part of a managed enterprise-wide workflow solution
- GWNX controller manages workflows and accounts for usage
- Set print quotas, lock print and append security information to documents
- Selectable login supports user and billing code authentication
- Deploy intelligent workflow solutions, such as StreamLine NX (requires HDD and VM card)



Interaction with smart devices

PostScript printing is included as standard and Ricoh's simple point and click PCL and PS3 print drivers have graphic icons which allow single click selection of complex settings. Improving workforce mobility, the new printers also offer seamless interaction with users' smart phones and tablets. Using Ricoh's Smart Print and Scan app, employees can easily print documents received on their smart devices.

- Compatible with Windows and Mac operating systems
- Point and click PCL and PS3 print drivers allow single click selection of complex settings
- SP 5300DN and SP 5310DN support BYOD (Bring Your Own Device) work environments
- The new printers increase workforce mobility by interacting with smartphones and tablets
- Printing from smart phones is easy with Ricoh's Smart Device Print & Scan app



Cost effective distributed print solution

Ricoh's new A4 printers offer a cost effective solution for distributed host printing. Equipped with the genuine IPDS print option, SP 5300DN and SP 5310DN can be used to print transactional documents, such as despatch notes, invoices and reports, generated by mainframe systems. Offering a low total cost of ownership and durable performance, they can be deployed in branch offices, depots and distribution centres as distributed print solutions, reducing centralised printing and distribution costs.

- Genuine IPDS print option* for accurate printing of transactional documents
- Use SP 5300DN and SP 5310DN to print despatch notes, invoices and reports
- Improve process efficiency and reduce distribution costs by printing at point of need
- Deploy in branch office, depots and distribution centres as distributed print solutions
- Low total cost of ownership, durable and productive performance



* IPDS print option available Q2 2017

3. Product Positioning

- SP 5300DN and SP 5310DN are productive A4 black-and-white printers
- The new models extend Ricoh's top-end print speed, providing access to new markets
- Improved print resolution (1,200 x 1,200 dpi) meets tender requirements
- Enables Ricoh to compete head-on with HP, Kyocera and Lexmark models
- Long life drum and extended maintenance cycle contribute to low page cost
- GWNX controller offers support for embedded workflow solutions

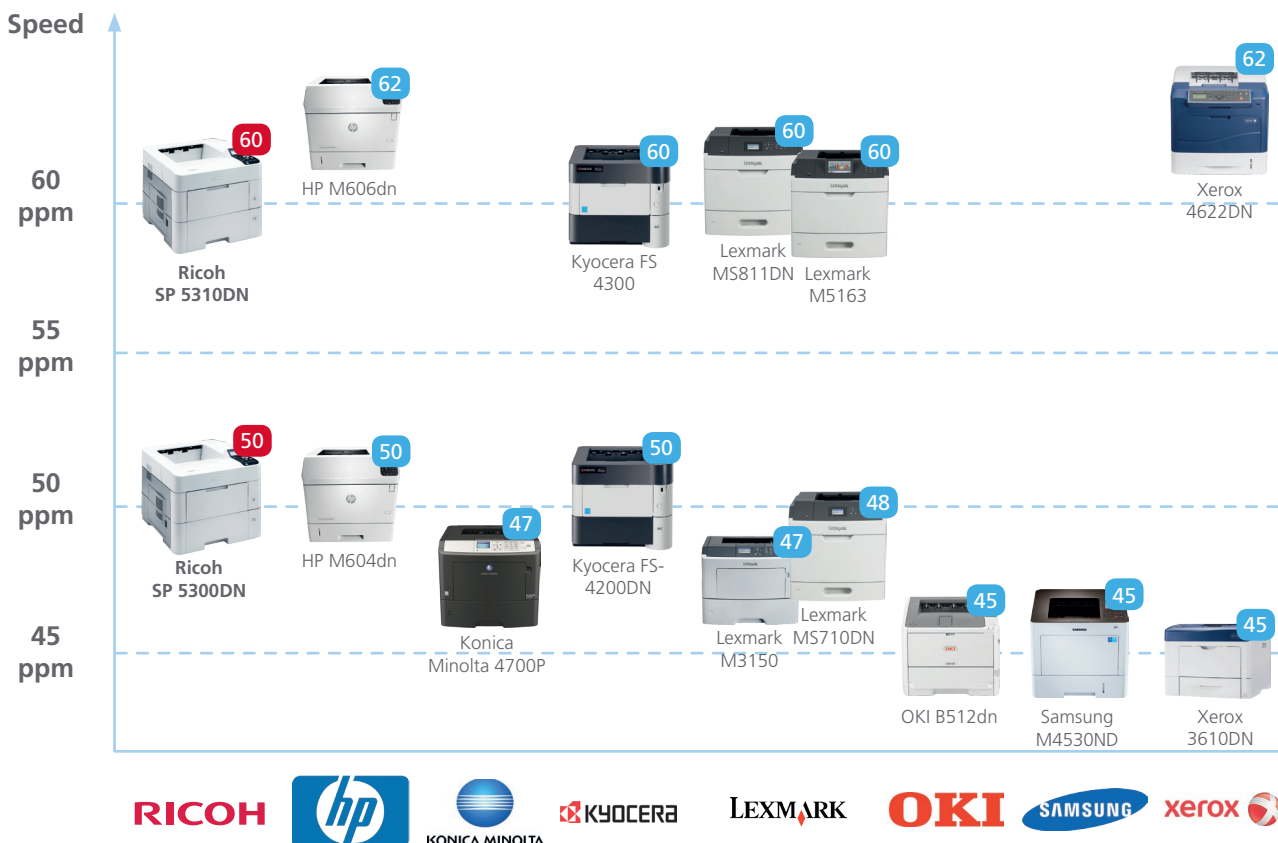
SP 5300DN and SP 5310DN are productive A4 black-and-white printers. Fast, reliable and easy to support, they will effortlessly meet the demanding print requirements of large workgroups. They replace SP 5200DN and SP 5210DN, strengthening Ricoh's A4 black-and-white printer range by extending the top-end print speed from 50 ppm to 60 ppm. The increased speed is significant as it allows Ricoh to enter new markets and compete head-on with high speed printers offered by HP, Kyocera and Lexmark.

The new printers are a part of a wider family of Ricoh products that complement each other and can be installed as part of

a uniform and controlled workflow solution. There are 4-in-1 multifunctional versions of the product, MP 501SPF and MP 601SPF, which share the same productive performance, print drivers and consumables, and A3 printers and MFPs that share the same GWNX controller architecture and extensive solutions capability.

When installed alongside other GWNX printers and MFPs as part of a balanced enterprise-wide deployment of A3 and A4 devices, SP 5300DN and SP 5310DN offer a controlled, consistent and cost-effective answer to workgroup print needs.

Ricoh SP 5300DN/SP 5310DN Positioning vs Competitors



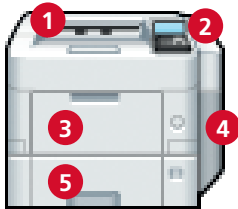
Please see section 9. Competition for detailed side-by-side comparisons

4. Configuration

Standard Configuration

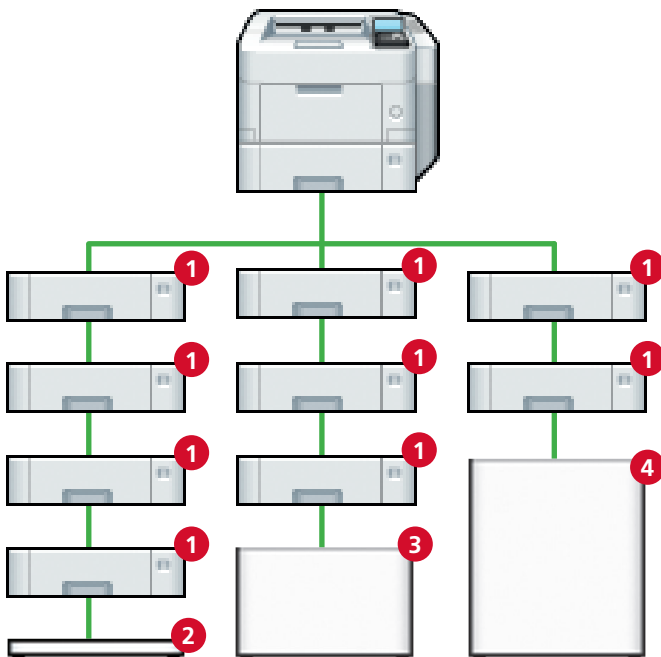
SP 5300DN and SP 5310DN are A4 black-and-white printers. They are network ready and include PCL and PS3 printing as standard. They are supplied with a 500 sheet A4 paper tray, a 100 sheet multi bypass and an internal duplex. They incorporate Ricoh's latest GWNX controller architecture (15S) and have a simple 4-line backlit LCD operation panel.

Mainframe



- 1 = 500 sheet delivery tray
- 2 = 4-line backlit LCD operation panel
- 3 = 100 sheet multi bypass
- 4 = Duplex [internal, not shown]
- 5 = 500-sheet A4 paper tray

Peripheral Options



- 1 = 500 sheet paper feed unit (PB1100)
[maximum four units]
- 2 = Caster table (Type 52)
- 3 = Low cabinet (Type 51)
- 4 = High cabinet (Type 50)

Please see the EDP Code and Dependency table (next page) for more detailed configuration rules.

Functional Configuration

Functional Configuration - SP 5300DN and SP 5310DN		
	SP 5300DN	SP 5310DN
Functionality	A4 black-and-white printer	
Interfaces	Ethernet (1000Base-T/100Base-TX/10Base-T), USB 2.0 Host, SD (standard) / Wireless LAN (IEEE802.11a/b/g), Bluetooth, Parallel (IEEE1284), 2nd NIC Port (Ethernet 1000Base-T/100Base-TX/10Base-T) [with optional USB device server] (options)	
Print Drivers	PCL 5e/6 (XL), PS3, PDF Direct (standard) / IPDS, XPS (options)	
Memory	2 GB RAM (standard) / 320 GB Hard Disk Drive (option)	
Security	Data Overwrite Security [comes with HDD], Enhanced Security HDD (options)	
Other	VM Card (option)	

More peripheral and functional upgrade options are listed below (see EDP Codes and Dependencies)

EDP Codes and Dependencies

EDP Codes and Dependencies - SP 5300DN and SP 5310DN					
Category	Item	Product Name	EDP Code	Must Install	Cannot Install
Mainframe	50 ppm A4 Printer	SP 5300DN	407810	-	-
	60 ppm A4 Printer	SP 5310DN	407813	-	-
Paper Feed	500 Sheet Paper Feed	Paper Feed Unit PB 1100	407850	-	More than four paper feed units
Cabinet	Caster table	Caster Table 52	914439	-	High cabinet, low cabinet
	High Cabinet	High Cabinet 50	914159	-	Caster table, low cabinet, more than two paper feed units
	Low Cabinet	Low Cabinet 51	914160	-	Caster table, high cabinet, more than three paper feed units
Printing	XPS Direct Print Option	XPS Direct Print Option Type M24	408048	Hard Disk Drive	-
	IPDS Print Option (Available Q2 2017)	IPDS Unit Type M24	407871	Hard Disk Drive	-
Interfaces	Wireless Interface	IEEE 802.11 Interface Unit Type M24	407863	-	-
	Parallel Interface	IEEE 1284 Interface Board Type M19	417596	-	-
	Extended USB Board	Extended USB Board Type M19	417566	-	-
	USB Device Server	USB Device Server Option Type M19	417568	-	-
Functional	320 GB Hard Disk Drive (note: not user installable)	Hard Disk Drive Option Type P8	407873		Enhanced Security HDD
	VM Card	VM CARD Type P8	407865	Hard Disk Drive	-
Security	Enhanced Security HDD	Enhanced Security HDD Option Type M10	417006	-	Hard Disk Drive

Consumable EDP Codes - SP 5300DN and SP 5310DN			
Category	Item	Product Name	EDP Code
Toner	Print Cartridge	Print Cartridge MP 601	407824

5. Target Markets

SP 5300DN and SP 5310DN will help Ricoh increase its share of the expanding A4 black-and-white market and capture new document volume. According to IDC, 1.25 million higher speed (45 to 69 ppm) A4 black-and-white printers and MFPs were sold worldwide in 2015. That figure will rise to more than 1.5 million by 2019, of which two thirds will be printers. The new printers are of strategic importance to Ricoh given the potential document volume.

The new printers will meet the A4 print needs of busy workgroups and departments. They are effortlessly productive and they allow users to work more efficiently by interacting directly with their smart phones and tablets. Equipped with the IPDS print option they can

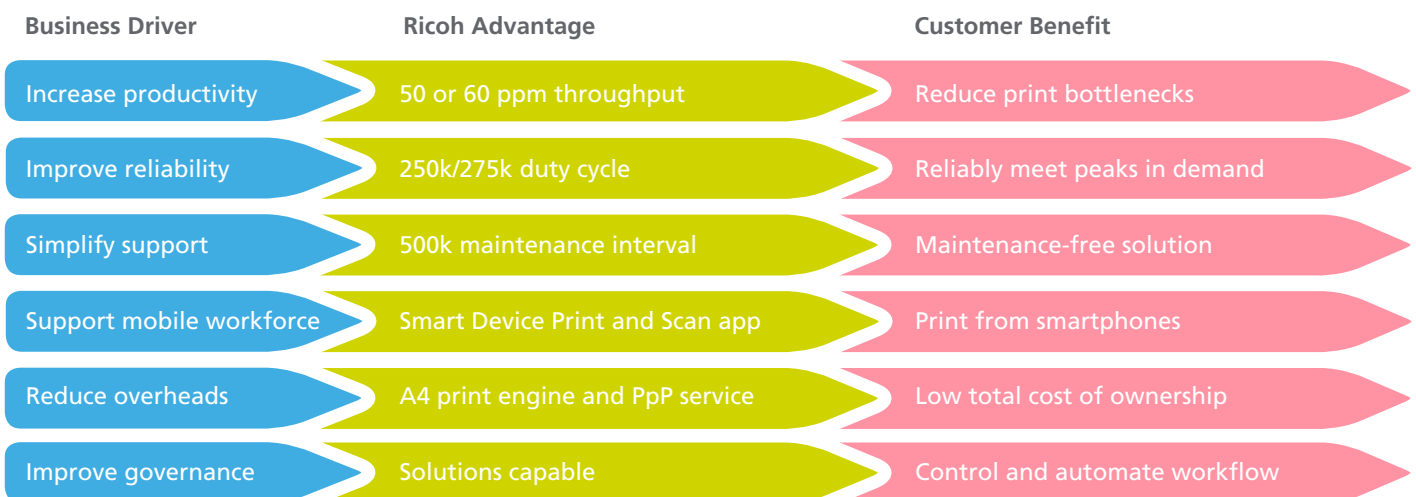
also be deployed in branch offices, depots and distribution centres as distributed print solutions for transactional documents generated by mainframe systems, such as despatch notes, invoices and reports.

SP 5300DN and SP 5310DN straddle a gap in the market and can be positioned as cost effective tender solutions or as value added workflow solutions. With their outstanding specifications and competitive price points, they offer a cost effective tender solution to customers looking for productive print solutions. And, with their extensive solutions capability and low total cost of ownership, they can be deployed alongside other workflow enabled products as part of a controlled and consistent enterprise-wide print solution.

Target Markets - SP 5300DN/SP 5310DN



High-level business drivers will include:





5. Key Features

Mainframe - SP 5300DN and SP 5310DN		
Feature	Advantage	Benefit
A4 engine	Lower purchase price than an A3 printer.	Reduce capital expenditure.
Compact design	Small footprint (0.172 m ²) and low profile (345 mm).	Saves valuable office space.
LCD guidance	Backlit 4-line LCD operation panel.	Simplifies setup and guides operation.




Productivity - SP 5300DN and SP 5310DN		
Feature	Advantage	Benefit
1.46 GHz Intel processor and 2 GB RAM	Complex print files are processed quickly.	First page delivered in just 6 seconds.
50 ppm and 60 ppm models	SP 5300DN prints at 50 ppm and SP 5310DN at 60 ppm.	Fast throughput speeds support the needs of busy workgroups.
High speed duplex	The new printers are equipped with high speed duplexes.	Maintains productivity when printing double-sided.

Durability - SP 5300DN and SP 5310DN		
Feature	Advantage	Benefit
Extensive duty cycle	250k/275k duty cycle.	Reliably handle large peaks in print volume.
Long life drum	500,000 page drum life.	Increased maintenance interval.
Maintenance-free	Low to mid volume users (up to 8,333 pages a month) will not need to replace any maintenance parts during the printer's five year life.	Helps to reduce page costs.

Paper Handling - SP 5300DN and SP 5310DN

Feature	Advantage	Benefit
2,600 sheet paper capacity (maximum)	The standard capacity of 600 sheets (500 sheet tray and 100 sheet bypass) can be expanded to 2,600 sheets with the addition of four 500 sheet paper trays.	Hold different stock online and reduce downtime related to paper replenishment.
Auto tray switching	The printers can automatically switch from one tray to another.	Replenish paper without interrupting the print process.
100 sheet multi-bypass	The standard multi bypass tray holds up to 100 sheets and supports paper weights of 60 to 220 gsm.	Reliably feed non-standard media such as letterhead paper, labels and envelopes.

Connectivity - SP 5300DN and SP 5310DN

Feature	Advantage	Benefit
Network ready	The new printers are equipped with gigabit ethernet interfaces and there are parallel, wireless and bluetooth interface options.	Workgroup users can share the same device, improving access.
USB device server	The USB device server provides a secondary network interface port which allows the printers to connect simultaneously to two print networks.	Support customers, such as banks, hospitals and schools, who run separate open and closed networks.
Smart Device Print and Scan 	Free Ricoh app enables documents to be printed from a smartphones and tablets.	Improves access and mobility.

Printing - SP 5300DN and SP 5310DN

Feature	Advantage	Benefit
High resolution	1,200 x 1,200 dpi resolution print output.	Improves the appearance of business communication.
Point and print icons	Ricoh's PCL and PS3 print drivers have graphic icons which allow single click selection of complex settings.	Simplifies the print process, saving time.
Adobe PostScript 3 *** Standard ***	PostScript printing is included as standard.	Print PostScript, PDF and XPS files accurately.
PDF direct print	PDF documents can be printed directly to the PostScript enabled printer. The files are processed by the printer rather than the PC.	Releases computer resource and reduces network traffic.
XPS direct print (option)	The new printers also support XPS direct print. XPS is an XML based document format similar to PDF, promoted by Microsoft.	Compatible with newly emerging print format.

IPDS print (option) (Available Q2 2017)	The genuine IPDS option enables fast, error-free bi-directional communication with mainframe (host) computer systems.	Reduce costs by deploying the new printers as distributed host print solutions.
Mail to Print	Send an email with attached data directly to the device for printing.	Improves access and simplifies print process.
Scheduled print	Users can specify a time at which documents are to be printed.	Reduces bottlenecks. Time-consuming jobs such as invoice runs can be scheduled to run overnight or at the weekend.

Security - SP 5300DN and SP 5310DN

Feature	Advantage	Benefit
Quota scheduling	The administrator can limit the output of individual users and user groups by setting page count limits. This feature now allows quotas to be shared across multiple Ricoh devices.	Establishes governance over the print environment and reduces print volume.
Banner page print	A job sheet can be printed before a print job that 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.
Solution capable (requires HDD and VM card)	Supports optional workflow solutions, such as StreamLine NX.	Control workflow, improve governance and reduce costs.
Data Overwrite Security (with optional HDD)	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 (with optional HDD)	Encrypts the address book, authentication information and stored documents.	Protects security by encrypting documents.

Environment - SP 5300DN and SP 5310DN

Feature	Advantage	Benefit
Sleep mode	In energy saving sleep mode, the new devices use less than 0.7 W.	Reduces energy consumption.
Blue Angel (BAM), Energy Star and EPEAT Silver	The new printers comply with the latest environmental standards, including Blue Angel Mark (BAM), Energy Star v2 and EPEAT Silver	Don't just take Ricoh's word for it; third party certification proves that these devices are eco-friendly.

6. Specifications

General Specifications - SP 5300DN and SP 5310DN			
Configuration	Desktop		
Technology	Laser		
Warm-up time	21/25.4 seconds		
First output speed	B/W	6.0 seconds	
Print speed	B/W	A4	50/60 pages per minute
		A4 duplex	36/43 pages per minute
CPU	Intel Celeron-M	1.46 GHz	
Memory	Standard	2 GB	
	Maximum	2 GB	
HDD (Option)	320 GB		
Duty cycle	250,000/275,000 prints per month		
Life	5 years or 1,000,000 output		
Dimensions (W x D x H)	420 x 410 x 345 mm		
Weight	18 kg		
Power source	220 - 240 V, 50/60 Hz		

Printer Specifications - SP 5300DN and SP 5310DN			
Printer language	Standard	PCL5e	
		PCL6	
		Adobe® PostScript® 3™	
		PDF	
	Option	XPS	
Print resolution	Maximum	1,200 x 1,200 dpi	
Interface	Standard	USB2.0 Type A	
		Ethernet 10 base-T/100 base-TX/1000 base-T	
	Option	Bi-directional IEEE 1284	
		Wireless LAN (IEEE 802.11a/b/g/n)	
		USB Server for Second Network Interface	
Network protocol	Standard	TCP/IP	IP v4
			IP v6
Windows® environments	Windows® 2000		
	Windows® Vista		
	Windows® 7		
	Windows® 8		
	Windows® 8.1		
	Windows® Server 2003		
	Windows® Server 2003R2		
	Windows® Server 2008		

	Windows® Server 2008R2
	Windows® Server 2012
	Windows® Server 2012R2
Mac OS environments	Macintosh OS X v10.7 or later
Printer driver features	Sample print
	Locked print
	Hold print
	Stored print
	Send to Document Server(RGB)
	Store and print
	Reduce/enlarge(zoom/scaling)
	Layout (N-up, page per sheet)
	Duplex
	Collate
	Rotate by 180 degrees
	Toner saving
	User ID
	User code
	Classification code
	Bonjour (Rendezvous) support
	Windows® Active Directory support
	DDNS support
	PCL resident font adoption
	Tray-parameter change from Web Image Monitor
	1,200 dpi support
	XPS support
	WS printer
	Wireless LAN interface option
AirPrint	
Poster Print	
WPS (WiFi Protected Set-up) support	

Paper Specifications - SP 5300DN and SP 5310DN		
Recommended paper size	Standard paper tray(s)	A4
		A5
		A6
		B5
		B6
	Bypass tray	A4

		A5
		A6
		B5
		B6
Paper input capacity	Standard	500 sheets
	Maximum	2,600 sheets
Paper output capacity	Standard	500 sheets
	Maximum	500 sheets
Paper weight	Paper tray(s)	64 - 120 g/m ²
	Bypass tray	60 - 220 g/m ²
	Duplex	64 - 120 g/m ²
Media capability	Plain paper	
	Middle thick paper	
	Thick paper	
	Recycled paper	
	Colour paper	
	Letterhead	
	Pre-printed paper	
	Thin paper	
	Special paper	
	Label paper	
	Envelopes	
	Bond	
Transparencies		

Security Specifications - SP 5300DN and SP 5310DN

Authentication	Windows® authentication	
	LDAP authentication	
	Basic authentication	
	User code authentication	
	802.1.x wired authentication	
	Integration server authentication	
	SMTP authentication	
	POP before SMTP	

Environmental Specifications - SP 5300DN and SP 5310DN

Sound power level (full system)	Stand-by	Less than 29.1/29 dB
	Sleep mode	Less than 29.1/29 dB
	Printing	Less than 70.5/70.1 dB

Sound pressure level (full system)	Stand-by	Less than 19.3 dB
	Sleep mode	Less than 19.3 dB
	Printing	Less than 57.4/57 dB
Power consumption	Maximum	1.4 kW
	Operating power	626/742 W
	Ready mode	80.4/75.1 W or less
	Sleep mode	Less than 0.63/0.68 W
	TEC (Typical Electricity Consumption)	2.6/3.1 kWh
	Energy Saver mode	0.63/0.68 W
Material emission level (emission rate)	Ozone (Print)	Operation: 1.5 mg/h
	Dust (Print)	Operation: 0.26 mg/h
	Styrene (Print)	Operation: 0.26 mg/h
	TVOC (Print)	Operation: 4 mg/h
	TVOC (Ready)	Operation: 4 mg/h
	Benzene (Print)	Operation: 0.05 mg/h
Environmental labels/ENERGY STAR certification	BAM	
	ENERGY STAR version 2.0	
Storage conditions	Temperature	-20°C - 40°C
	Humidity	10% - 90%
	Storage period	Maximum 12 months
Transportation conditions	Temperature	-20 - 55°C
	Humidity	Less than 90%

Option Specifications - SP 5300DN and SP 5310DN

1 x 500-sheet paper tray

Caster table

Consumable Specifications - SP 5300DN and SP 5310DN

Toner capacity	Black	25,000 prints
	Declared yield value	Declared yield value in accordance with ISO/IEC 19752
Starter kit	Black	10,000 prints



8. Service and Supplies

SP 5300DN and SP 5310DN are self-maintenance models that can be included in a PpP service contract.

PpP servicing offers the following customer advantages:

- Transparent pricing
- Includes toner and servicing
- Pre-agreed page cost
- Metered pay as you go billing

SP 5300DN and SP 5310DN benefit from an extended maintenance interval. The maintenance kit, which includes a long life drum, has yield of 500,000 pages. The extended maintenance interval helps to reduce page costs.

SP 5300DN and SP 5310DN have similar running costs to the MP 501SPF and MP 601SPF. Although the running costs are similar, sales people should refer to service or sales management for actual service pricing.

The new machines are productive and durable. With duty cycles of 250,000 pages (SP 5300DN) and 275,000 pages (SP 5310DN), they support a wide range of print volumes and will reliably handle large peaks in volume.

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

Consumable yields and service parameters are provided below:

Service and Supplies Specifications - SP 5300DN and SP 5310DN			
		SP 5300DN	SP 5310DN
Document Volume	Average Monthly Volume	4,000 pages	5,000 pages
	Maximum Monthly Volume	16,666 pages	
	Duty Cycle	250,000 pages	275,000 pages
Consumable Yield	Black Toner	25,000 pages (ISO 19752)	
Service Life	Target Life (Mainframe)	1 million pages or five years, whichever comes first	

9. Competition

- More productive (1.45 GHz processor, 2 GB RAM, 6 second first page, 50/60 ppm throughput)
- Maintenance-free (longlife drum, maintenance-free up to 500,000 pages)
- Larger capacity (600 to 2,600 sheet capacity, auto tray switching, 25k toner cartridge)
- Effortlessly reliable (250/275k duty cycle and 500k maintenance interval)
- Workflow enabled (GWNX controller offers support for embedded solutions)
- Easily connected (print from smart phones and support for second print network)

We have compared the specifications of the new printers against the specifications of their closest competitors, identifying advantages against each.

Data was obtained from the web and from brochures. Whilst care was taken to ensure that information is accurate, no liability will be accepted for errors and omissions.

The models compared are:

SP 5300DN
★★★★★

Versus

HP M604dn
Konica Minolta 4700P
Kyocera FS-4200DN
Lexmark MS710DN
Lexmark M3150
OKI B512dn
Samsung M4530ND
Xerox 3610DN

SP 5310DN
★★★★★

Versus

HP M606dn
Kyocera FS 4300
Lexmark MS811DN
Lexmark M5163
Xerox 4622DN



Model	RICOH SP 5300DN	HP LaserJet Enterprise M604dn	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	50 ppm	
Technology	Laser	Laser	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	600 x 600 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Intel HP ENVY Spectre/INA/1.2 Ghz	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/1.5 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 500-GB	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6, PostScript 3	
Warm-up Time	25 sec	INA	
First-Page-Out Time (Mono/Color)	6 sec	7.5 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseTX Ethernet, USB 2.0, USB 2.0 (host) x 2	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Citrix, Linux, Novell Netware, UNIX	
Near Field Communication	No	Optional	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	600 sheets/3,600 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 120 gsm	
Std Output Tray Capacity	500 sheets	600 sheets	
Output Options	None	Optional finisher, optional mailbox	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 200 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print		Standard	
Encrypted Secure Print		Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/4 lines	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	3.9W	Power save mode reduces energy consumption
Max Power Consumption	INA	INA	
TEC Value	2.6KWh	2.719KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	25.9 kg	Lower weight so more flexible to place on cabinet or desk
Dimensions (HxWxD)	410 x 345 x 420 mm	399 mm x 425 mm x 537 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000	Black AIO starter cartridge Yield: 10,500;	
	Black toner cartridge Yield: 25,000	Black all-in-one print cartridge Yield: 10,500	Usually shorter yield cartridges mean higher print costs per page. Higher yields ask for less handling to change toner.
	Maintenance kit Yield: 500,000	Maintenance kit 220V Yield: 225,000	Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets	Envelope feeder	
	XPS	Paper drawer 500 sheets	
	2nd NIC	Paper tray 1,500 sheets	
	IPDS (2017)	Finisher	
		Mailbox 5 bin	
		1-GB memory	
		HDD secure high performance EIO	



Model	RICOH SP 5300DN	Konica Minolta bizhub 4700P	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	47 ppm	More productive / saving time
Technology	Laser	Laser	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	6170 Dual Core/32/800	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	256 MB/1.28 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	None	HDD allows to store forms and other info onto the printer
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5/6, PostScript 3, XPS	
Warm-up Time	25 sec	None	
First-Page-Out Time (Mono/Color)	6 sec	6.5 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseTX Ethernet, USB 2.0, USB 2.0 (host)	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Linux, Netware	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/5	Simplifies storage as main tray holds a full ream of paper. Higher capacity allows longer print runs
Std/Max Paper Capacity	600 sheets/2,600 sheets	650 sheets/2,300 sheets	Higher capacity allows longer print runs
Max Paper Size (WxL)	216 mm x 356 mm	279.4 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 120 gsm	
Std Output Tray Capacity	500 sheets	250 sheets	Higher capacity means longer uninterrupted print jobs saving time and money
Output Options	None	None	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 163 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	Duplex as standard
Security			
HDD Overwrite	Included in Optional HDD	Not applicable	Suitable for use in secure environments
Secure Print		Standard	
Encrypted Secure Print		INA	
Additional Information			
Display/Characters	LCD/4 lines	LCD/INA	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	INA	Power save mode reduces energy consumption
Max Power Consumption	INA	1300W	
TEC Value	2.6KWh	2.461KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	16 kg	
Dimensions (HxWxD)	410 x 345 x 420 mm	306 mm x 399 mm x 382 mm	
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000 Maintenance kit Yield: 500,000	Black starter cartridge Yield: 6,000 Black toner cartridge Yield: 20,000 Black imaging unit Yield: 60,000	More standard toner reduces costs Usually shorter yield cartridges mean higher print costs per page. Higher yields ask for less handling to change toner. Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	PF-P11 Paper drawer 250 sheets PF-P12 Paper drawer 550 sheets EH-C591 Stapler convenience NC-P01 Adapter wireless 256 MB / 512 MB / 1 GB option UK-P03 IPDS card	



Model	RICOH SP 5300DN	KYOCERA ECOSYS FS-4200DN	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	50 ppm	
Technology	Laser	Laser	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	PowerPC 465/INA/500	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	256 MB/1,280 MB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 32-GB	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5c/6/XL, PostScript 3, XPS	
Warm-up Time	25 sec	20 sec	
First-Page-Out Time (Mono/Color)	6 sec	9 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n, 10/100/1000BaseT Ethernet, Parallel	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Linux, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	600 sheets/2,600 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 120 gsm	
Std Output Tray Capacity	500 sheets	500 sheets	
Output Options	None	Optional output tray	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 220 gsm	
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print		Optional	
Encrypted Secure Print		Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/5 lines	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	1.6W	Power save mode reduces energy consumption
Max Power Consumption	INA	INA	
TEC Value	2.6KWh	2.84KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	14.6 kg	
Dimensions (HxWxD)	410 x 345 x 420 mm	320 mm x 380 mm x 416 mm	
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000 Maintenance kit Yield: 500,000	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 15,500 Black toner cartridge Yield: 25,000 Maintenance kit Yield: 500,000	
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	PF-320 Paper drawer 500 sheets Paper tray 2,000 sheets plus printer base PT-320 Tray output rear 16 / 32GB SD/SDHC card 512 MB 1-GB memory HD-6 32-GB SSD HDD	



Model	RICOH SP 5300DN	Lexmark MS710dn	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	48 ppm	More productive / saving time
Technology	Laser	Laser	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	600 x 600 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Dual Core/32/800	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/2.5 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 320-GB+	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6, PostScript 3, PPDS, XPS	
Warm-up Time	25 sec	INA	
First-Page-Out Time (Mono/Color)	6 sec	8 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseTX Ethernet, USB 2.0, USB 2.0 (host)	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	Parallel, Serial, 802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Citrix, Linux, Netware, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	350 sheets/4,100 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 176 gsm	
Std Output Tray Capacity	500 sheets	550 sheets	
Output Options	None	Optional finisher, optional mailbox, optional output expander	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 176 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print		Standard	
Encrypted Secure Print		Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/INA	
Energy Star Compliance	Yes	No	
Energy Used in Power Save Mode	0.7W	2.9W	Power save mode reduces energy consumption
Max Power Consumption	INA	INA	
TEC Value	2.6KWh	5.5KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	23.13 kg	Lower weight so more flexible to place on cabinet or desk
Dimensions (HxWxD)	410 x 345 x 420 mm	390 mm x 425 mm x 510 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000	Black starter cartridge Yield: 10,000 Black high-yield cartridge Yield: 25,000	
	Maintenance kit Yield: 500,000	520ZA Black drum Yield: 100,000	Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	HCF 2,100 sheets Paper drawer 250 sheets Paper drawer 550 sheets Finisher with hole punch Mailbox 4 bin 521 MB / 1 GB memory 256-MB flash memory 320-GB+ HDD IPDS 16-GB SD/SDHC card 32-GB SD/SDHC card	



Model	RICOH SP 5300DN	Lexmark M3150	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	47 ppm	More productive / saving time
Technology	Laser	Laser	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Dual Core/32/800	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/2.5 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 320-GB+	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6/XL, PostScript 3, PPDS, XPS	
Warm-up Time	25 sec	None	
First-Page-Out Time (Mono/Color)	6 sec	6.5 sec	
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	Parallel, Serial, 802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Citrix, Linux, Netware, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/5	
Std/Max Paper Capacity	600 sheets/2,600 sheets	650 sheets/2,300 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	8.5" x 14"	
Paper Weights	64 to 120 gsm	16-lb to 32-lb bond	
Std Output Tray Capacity	500 sheets	250 sheets	Higher capacity means longer uninterrupted print jobs saving time and money
Output Options	None	None	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 176 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print		Standard	
Encrypted Secure Print		Standard	
Additional Information			
Display/Characters	LCD/4 lines	4.3 Color touchscreen	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	5W	Power save mode reduces energy consumption
Max Power Consumption	INA	600W	
TEC Value	2.6KWh	2.40KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	23.66 kg	Lower weight so more flexible to place on cabinet or desk
Dimensions (HxWxD)	410 x 345 x 420 mm	419 mm x 425 mm x 510 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000 Maintenance kit Yield: 500,000	Black starter cartridge Yield: 6,000 Black toner cartridge Yield: 16,000 Black drum Yield: 60,000	More standard toner reduces costs / more value for money Usually shorter yield cartridges mean higher print costs per page. Higher yields ask for less handling to change toner. Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	Paper drawer 250 sheets Paper drawer 550 sheets Finisher with hole punch Mailbox 4 bin 256-MB flash memory 2-GB memory 320-GB+ HDD	



Note: BSD models are ONLY available via Lexmark Business Solutions Dealers (BSD)

Model	RICOH SP 5300DN	OKI B512dn	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	45 ppm	More productive / saving time
Technology	Laser	LED	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	INA/INA/667	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/512 MB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Standard 3-GB eMMC	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6, PostScript 3, XPS, Epson FX, IBM ProPrinter	
Warm-up Time	25 sec	5 sec	
First-Page-Out Time (Mono/Color)	6 sec	4.5 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseTX Ethernet, USB 2.0	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11a/b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Linux	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/3	Simplifies storage as main tray holds a full ream of paper. Higher capacity allows longer print runs
Std/Max Paper Capacity	600 sheets/2,600 sheets	630 sheets/1,160 sheets	Higher capacity allows longer print runs
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 120 gsm	
Std Output Tray Capacity	500 sheets	150 sheets	Higher capacity means longer uninterrupted print jobs saving time and money
Output Options	None	None	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 163 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	Duplex as standard
Security			
HDD Overwrite	Included in Optional HDD	Not applicable	Suitable for use in secure environments
Secure Print		Standard	
Encrypted Secure Print		No	
Additional Information			
Display/Characters	LCD/4 lines	LCD/32	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	7W	Power save mode reduces energy consumption
Max Power Consumption	INA	900W	
TEC Value	2.6KWh	2.24KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	13 kg	
Dimensions (HxWxD)	410 x 345 x 420 mm	286 mm x 387 mm x 394 mm	
Toner & Supplies			
	Black starter cartridge Yield: 10,000; Black toner cartridge Yield: 25,000	Black starter cartridge Yield: 2,000 Black extra-high-yield cartridge: 12,000 Black high-yield toner cartridge: 7,000 Black standard-yield cartridge: 3,000 Black drum Yield: 25,000	More standard toner reduces costs Usually shorter yield cartridges mean higher print costs per page. Higher yields ask for less handling to change toner.
	Maintenance kit Yield: 500,000		Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	Paper drawer 530 sheets Interface 802.11a/b/g/n Mailbox 5 bin 1-GB memory HDD secure high performance EIO	



Model	RICOH SP 5300DN	Samsung ProXpress M4530ND	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	45 ppm	More productive / saving time
Technology	Laser	Laser	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 600 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Dual Core/INA/1 GHz	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/2 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 320-GB	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6, PostScript 3, XPS	
Warm-up Time	25 sec	INA	
First-Page-Out Time (Mono/Color)	6 sec	6.5 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseTX Ethernet, USB 2.0, USB (host)	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Linux, UNIX	
Near Field Communication	No	Optional	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	650 sheets/2,850 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 163 gsm	
Std Output Tray Capacity	500 sheets	500 sheets	
Output Options	None	None	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 220 gsm	
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print		Standard	
Encrypted Secure Print		INA	
Additional Information			
Display/Characters	LCD/4 lines	LCD/4 lines	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	1.5W	Power save mode reduces energy consumption
Max Power Consumption	INA	INA	
TEC Value	2.6KWh	INA	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	22 kg	
Dimensions (HxWxD)	410 x 345 x 420 mm	368 mm x 433 mm x 459.5 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000; Black toner cartridge Yield: 25,000	Black starter cartridge;Yield: 7,000 Black extra-high-yield cartridge: 40,000 Black high-yield toner cartridge: 20,000 Black standard-yield cartridge: 7,000	More standard toner reduces costs / more value for money
	Maintenance kit Yield: 500,000	Black drum Yield: 100,000	Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	Paper drawer 550 sheets Interface 802.11b/g/n with NFC 2-GB memory 320-GB HDD Mailbox 5 bin 1-GB memory HDD secure high performance EIO	



Model	RICOH SP 5300DN	Xerox Phaser 3610DN	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	50 ppm	45 ppm	More productive / saving time
Technology	Laser	Laser	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Zoran LM1 ARM11/32/400	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/1 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 4-GB	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6, PostScript 3	
Warm-up Time	25 sec	20 sec	
First-Page-Out Time (Mono/Color)	6 sec	6.5 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseT Ethernet, USB 2.0	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Linux, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/5	Simplifies storage as main tray holds a full ream of paper. Higher capacity allows longer print runs
Std/Max Paper Capacity	600 sheets/2,600 sheets	700 sheets/2,350 sheets	Higher capacity allows longer print runs
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 216 gsm	
Std Output Tray Capacity	500 sheets	250 sheets	Higher capacity means longer uninterrupted print jobs saving time and money
Output Options	None	None	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	150 sheets/60 to 216 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Not applicable	Suitable for use in secure environments
Secure Print		Standard	
Encrypted Secure Print		Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/32	
Energy Star Compliance	Yes	No	
Energy Used in Power Save Mode	0.7W	2W	Power save mode reduces energy consumption
Max Power Consumption	INA	686W	
TEC Value	2.6KWh	INA	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	21.5 kg	
Dimensions (HxWxD)	410 x 345 x 420 mm	549 mm x 495 mm x 492 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000	Black starter cartridge Yield: 5,900 Black extra-high-yield cartridge: 25,300 Black high-yield toner cartridge: 14,100 Black standard-yield cartridge: 5,900	More standard toner reduces costs / more value for money
	Maintenance kit Yield: 500,000	Maintenance kit fuser Yield: 200,000	Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	Paper drawer 550 sheets Productivity kit with 4-GB device memory Productivity kit with 512-MB RAM Adapter wireless network Mailbox 5 bin 1-GB memory HDD secure high performance EIO	



Model	RICOH SP 5300DN	HP LaserJet Enterprise M606dn	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	60 ppm	62 ppm	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Technology	Laser	Laser	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Intel HP ENVY Spectre/INA/1.2 GHz	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/1.5 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 500-GB	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6, PostScript 3	
Warm-up Time	25 sec	INA	
First-Page-Out Time (Mono/Color)	6 sec	7 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseTX Ethernet, USB 2.0, USB 2.0 (host) x 2	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Citrix, Linux, Novell Netware, UNIX	
Near Field Communication	No	Optional	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	600 sheets/3,600 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 120 gsm	
Std Output Tray Capacity	500 sheets	600 sheets	
Output Options		Optional finisher, optional mailbox	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 200 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print	Optional (via HDD)	Standard	
Encrypted Secure Print	Standard	Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/4 lines	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	3.7W	Power save mode reduces energy consumption
Max Power Consumption	INA	INA	
TEC Value	3.1KWh	3.328KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	25.9 kg	Lower weight so more flexible to place on cabinet or desk
Dimensions (HxWxD)	410 x 345 x 420 mm	399 mm x 425 mm x 537 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000	Black AIO starter cartridge: 10,500 81X Black high-yield AIO cartridge: 25,000	
	Maintenance kit Yield: 500,000	Maintenance kit 220V: 225,000	Can run longer without replacing parts. More durable and higher availability
OPTIONS			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	Envelope feeder Paper drawer 500 sheets Paper tray 1,500 sheets Finisher Mailbox 5 bin 1-GB memory HDD secure high performance EIO	



Model	RICOH SP 5300DN	KYOCERA ECOSYS FS-4300DN	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	60 ppm	60 ppm	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Technology	Laser	Laser	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	PowerPC 465/INA/500	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	256 MB/1,280 MB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 32-GB	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5c/6/XL, PostScript 3, XPS	
Warm-up Time	25 sec	25 sec	
First-Page-Out Time (Mono/Color)	6 sec	9 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n, 10/100/1000BaseT Ethernet, Parallel	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Linux, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	600 sheets/2,600 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	16-lb to 32-lb bond	
Std Output Tray Capacity	500 sheets	500 sheets	
Output Options		Optional output tray	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/16-lb bond to 120-lb index	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print	Optional	Optional	
Encrypted Secure Print	Standard	Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/5 lines	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	1.6W	Power save mode reduces energy consumption
Max Power Consumption	INA	INA	
TEC Value	3.1KWh	3.41KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	14.6 kg	
Dimensions (HxWxD)	410 x 345 x 420 mm	320 mm x 380 mm x 416 mm	
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000 Maintenance kit Yield: 500,000	Black starter cartridge Yield: 10,000; TK-3110 Black toner cartridge: 15,500 TK-3130 Black toner cartridge Yield: 25,000 Maintenance kit Yield: 500,000	
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	PF-320 Paper drawer 500 sheets Paper tray 2,000 sheets plus printer base PT-320 Tray output rear 16 / 32GB SD/SDHC card 512 MB 1-GB memory HD-6 32-GB SSD HDD HDD secure high performance EIO	



Model	RICOH SP 5300DN	Lexmark MS811dn	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	60 ppm	60 ppm	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Technology	Laser	Laser	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Dual Core/32/800	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/2.5 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 320-GB+	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6/XL, PostScript 3, PPDS, XPS	
Warm-up Time	25 sec	INA	
First-Page-Out Time (Mono/Color)	6 sec	4.4 sec	
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host)	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	Parallel, Serial, 802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Citrix, Linux, Netware, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	650 sheets/4,400 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 176 gsm	
Std Output Tray Capacity	500 sheets	550 sheets	
Output Options		Optional finisher, optional mailbox, optional output expander	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 176 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print	Optional	Standard	
Encrypted Secure Print	Standard	Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/INA	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	4.8W	Power save mode reduces energy consumption
Max Power Consumption	INA	770W	
TEC Value	3.1KWh	4.00KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	23.66 kg	Lower weight so more flexible to place on cabinet or desk
Dimensions (HxWxD)	410 x 345 x 420 mm	419 mm x 425 mm x 510 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000 Maintenance kit Yield: 500,000	Black extra-high-yield cartridge: 45,000 Black high-yield cartridge: 25,000 520ZA Black drum: 100,000	Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	HCF 2,100 sheets Paper drawer 250 sheets Paper drawer 550 sheets Finisher with hole punch Mailbox 4 bin 1- / 2 GB memory 256-MB flash memory 320-GB+ HDD IPDS	



Model	RICOH SP 5300DN	Lexmark M5163	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	60 ppm	60 ppm	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Technology	Laser	Laser	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Dual Core/32/800	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	512 MB/2.5 GB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 320-GB+	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6/XL, PostScript 3, PPDS, XPS	
Warm-up Time	25 sec	INA	
First-Page-Out Time (Mono/Color)	6 sec	4.4 sec	
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	Parallel, Serial, 802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Citrix, Linux, Netware, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	650 sheets/4,400 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	8.5" x 14"	
Paper Weights	64 to 120 gsm	16-lb to 47-lb bond	
Std Output Tray Capacity	500 sheets	550 sheets	
Output Options		Optional finisher, optional mailbox, optional output expander	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/16-lb to 47-lb bond	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print	Optional	Standard	
Encrypted Secure Print	Standard	Standard	
Additional Information			
Display/Characters	LCD/4 lines	4.3 Color touchscreen/NA	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	6W	Power save mode reduces energy consumption
Max Power Consumption	INA	700W	
TEC Value	3.1KWh	3.70KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	23.66 kg	Lower weight so more flexible to place on cabinet or desk
Dimensions (HxWxD)	410 x 345 x 420 mm	419 mm x 425 mm x 510 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 25,000	Black starter cartridge Yield: 10,000 Black toner cartridge Yield: 35,000	
	Maintenance kit Yield: 500,000	Black drum Yield: 100,000	Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	HCF 2,100 sheets Paper drawer 250 sheets Paper drawer 550 sheets Finisher with hole punch Mailbox 4 bin 256-MB flash memory 2-GB memory 320-GB+ HDD	



Note: BSD models are ONLY available via Lexmark Business Solutions Dealers (BSD)

Model	RICOH SP 5300DN	Xerox Phaser 4622DN	Advantages / Benefits
General Specifications			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	60 ppm	62 ppm	
Unenhanced Resolution (HxV)	1200 x 1200 dpi	1200 x 1200 dpi	
Technology	Laser	Laser	
Processor/Bits/MHz	Intel® Atom 1.46 Ghz	Dual Core ARM/32/600	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	2 GB/2 GB	256 MB/768 MB	More memory will process (complex) print jobs faster
Hard-Disk Drive	Optional 320 GB	Optional 320-GB	
PDLs/Emulations	PCL 5c/6/XL, PostScript 3	PCL 5e/6, PostScript 3	
Warm-up Time	25 sec	45 sec	
First-Page-Out Time (Mono/Color)	6 sec	7.8 sec	Fast first page save time & reduces print bottlenecks
Interface / Connectivity			
Std Interface	10/100/1000BaseT Ethernet, USB 2.0, USB 2.0 (host) x 2	10/100/1000BaseT Ethernet, USB 2.0, USB (host)	
Opt Interface	802.11a/b/g/n, 10/100/1000BaseT Ethernet, Parallel, 2nd NIC	802.11b/g/n	Via 2nd Network card
Network Support	Windows, Mac, Linux, UNIX	Windows, Mac, Linux, NetWare, UNIX	
Near Field Communication	No	No	
Paper Handling			
Std/Max Paper Source(s)	2/6	2/6	
Std/Max Paper Capacity	600 sheets/2,600 sheets	650 sheets/3,750 sheets	
Max Paper Size (WxL)	216 mm x 356 mm	216 mm x 356 mm	
Paper Weights	64 to 120 gsm	60 to 163 gsm	
Std Output Tray Capacity	500 sheets	500 sheets	
Output Options		Optional finisher, optional mailbox	
Bypass Capacity/Weights	100 sheets /60 to 220 gsm	100 sheets/60 to 220 gsm	Capable of printing onto heavier weight media
Automatic Duplexing	Standard	Standard	
Security			
HDD Overwrite	Included in Optional HDD	Optional	Suitable for use in secure environments
Secure Print	Optional	Standard	
Encrypted Secure Print	Standard	Standard	
Additional Information			
Display/Characters	LCD/4 lines	LCD/64	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.7W	2.8W	Power save mode reduces energy consumption
Max Power Consumption	INA	1400W	
TEC Value	3.1KWh	4.78KWh	Low overall energy consumption minimises carbon footprint and reduces costs
Weight (Base Unit)	18 kg	34.6 kg	Lower weight so more flexible to place on cabinet or desk
Dimensions (HxWxD)	410 x 345 x 420 mm	420 mm x 476 mm x 541 mm	Smaller footprint so takes up less space, more flexible to install
Toner & Supplies			
	Black starter cartridge Yield: 10,000; Black toner cartridge Yield: 25,000	Black starter cartridge: 10,000 Black high-yield toner cartridge: 30,000 Black standard-yield cartridge: 13,000	
	Maintenance kit Yield: 500,000	Maintenance kit fuser: 150,000 Black drum: 80,000	Can run longer without replacing parts. More durable and higher availability
Options			
	PF-320 Paper drawer 500 sheets XPS 2nd NIC IPDS (2017)	HCF 2,000 sheets includes stand Paper drawer 550 sheets Finisher Mailbox 320-GB HDD 512-MB memory HDD secure high performance EIO	



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