

Sales Guide

nashuatec

SP C340DN SP C342DN

Colour A4 Printers

Printer



SP C340DN

25
ppm
B/W
Colour

SP C342DN

25
ppm
B/W
Colour

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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 C340DN and SP C342DN are designed to meet the colour and black-and-white print requirements of individual users and small to medium sized workgroups in the general office. These 25 ppm machines deliver high quality prints (1,200 x 1,200 dpi resolution) and can be used to produce customer-facing letters, proposals, newsletters, brochures, presentations, envelopes and even banners!



Offering plug and play convenience, they are supplied with a duplex, a standard 500 sheet paper tray and a 4.3 inch icon-based colour touchscreen panel (SP C342DN). WiFi Direct is an option. Network independent, it offers a fast (25 Mbps) and secure (WPA2 protected) wireless facility. Using AirPrint (IOS) or Ricoh Smart Print and Scan app (IOS and Android), users can print to the WiFi enabled printer from their smart phones and tablets.

SP C340DN is positioned as value solution for price sensitive customers, including new start-up businesses, small retail outlets and self-employed professionals. It offers class leading specifications, such as 1,200 x 1,200 dpi resolution, at a competitive price. High capacity print cartridges (5k capacity) help to minimise running costs and the new printers can be easily and inexpensively self-maintained.

SP C342DN is positioned as a TCO solution for major account customers. It has lower running costs than the SP C340DN and can serviced on a PpP contract alongside other **Nashuatec** printers and MFPs. It features a colour touchscreen panel that expands functionality and when equipped with the optional 320 GB hard drive and VM card, SP C342DN can run enterprise workflow solutions, such as StreamLine NX.

The new printers feature the latest GWNX controller architecture (15S), powered by a superfast 1.46 GHz Intel processor and 2 GB RAM. The responsive processor and extensive RAM ensure that data-rich files are processed quickly, improving productivity. And, with its touchscreen operation panel providing an intuitive

interface for workflow solutions, SP C342DN will enhance your MFP+P value proposition.

	SP C340DN	SP C342DN
		
Customer need	Low initial investment	Low total cost of ownership
Control Panel	4-line LCD panel	4.3 inch colour touchscreen panel
Other	-	Print from USB/SD (HDD required)
Main AIO yield	5,000/5,000 pages	7,200/6,600 pages
Regular AIO yield	2,800/2,800 pages	2,800/2,800 pages
Starter AIO yield	2,500/1,500 pages	2,800/2,800 pages
Standard paper capacity	600 sheets	600 sheets
Maximum paper capacity	1,100 sheets	1,100 sheets
Processor	Intel® Atom Processor BayTrail-I (1.46GHz)	Intel® Atom Processor BayTrail-I (1.46GHz)
RAM	2GB	2GB
Controller	GWNX (15S)	GWNX (15S)
Options	Limited options	Full spectrum of options

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

Truly impressive print quality

Because business communication matters, SP C340DN and SP C342DN produce vibrant high quality print. Thanks to **Nashuatec's** ultrafine toner, there is a new depth and clarity to colours, and with true 1,200 x 1,200 dpi resolution, text is sharply defined and photographic images are faithfully reproduced. And, should your customers want to make even more of an impression, SP C340DN and SP C342DN can print on to glossy paper and card.

- **Nashuatec's** ultrafine toner produces accurate image quality
- True 1,200 x 1,200 dpi print resolution delivers razor sharp text and images
- POP (Point of Purchase) print mode enhances colours to increase impact
- Print eye catching colour banners of up to 1,260 mm in length
- Make an impression by printing on to glossy paper or card stock (up to 220 gsm)



Responsive performance

Unlike some printers, which slow down to print in high resolution, **Nashuatec's** new printers produce vibrant 1,200 x 1,200 dpi colour output at full engine speed. With **Nashuatec's** superfast 1.46 GHz Intel processor effortlessly handling complex files, the first immaculate print is ready in just 13.5 seconds (BW & FC) and multipage document sets are delivered at a speed 25 pages per minute (BW & FC).

- **Nashuatec's** superfast 1.46 GHz Intel processor ensures responsive performance
- Quick 20 second warm-up from power off
- Productive 25 ppm throughput (BW & FC) keeps pace with demand
- High speed duplex (standard feature) automates double sided printing
- 75,000 page duty cycle ensures reliable performance



Incredibly easy to use

Operation is simple. **Nashuatec's** new icon-based one-click PCL and PostScript print drivers offer a wide choice of print settings and are incredibly easy to use. SP C340DN features a backlit 4-line LCD with simple cursor control whilst, for a small premium, SP C342DN has a 4.3 inch colour touchscreen panel that simplifies operation and provides an intuitive interface for optional workflow applications, such StreamLine NX.

- Intuitive icon-based one-click PCL and PS3 drivers that remember regularly used settings
- **Nashuatec's** universal print driver allows easy integration with **Nashuatec** machine
- Backlit 4-line LCD (SP C340DN) or 4.3" colour touchscreen operation panel (SP C342DN)
- Icon-based 4.3 inch colour touchscreen panel (SP C342DN) simplifies operation
- And provides an intuitive interface for optional workflow applications, such StreamLine NX



Print from smart phones and tablets

Improving access and mobility, users can print to the SP C340DN and SP C342DN from smart phones and tablets. Network independent, **Nashuatec's** WiFi Direct option offers a fast (25 Mbps) and secure (WPS protected) wireless print facility. Users can print directly to the WiFi enabled printer using AirPrint (IOS) or **Nashuatec's** Smart Print and Scan app (IOS and Android).

- SP C340DN and SP C342DN support networkless mobile working (requires WiFi Direct option)
- WiFi Direct provides a fast (25 Mbps) and secure (WPA2 protected) connection
- Simplifying set up, it doesn't require an internet access point
- Print to the WiFi enabled printer using AirPrint or **Nashuatec's** Smart Print and Scan app
- Web pages, messages and other documents can be printed directly from smart phone and tablets



Workflow enabled

The network ready printers can be deployed in Windows and Mac environments. To simplify operation in multi device environments, they are compatible with **Nashuatec's** universal print driver and support @Remote monitoring and diagnostics. SP C342DN features a colour touchscreen panel and, when equipped with the optional hard disk drive and VM card, can run enterprise workflow solutions, such as StreamLine NX.

- Network ready devices can be deployed in Windows and Mac environments
- Fully compatible with **Nashuatec's** universal print driver and @Remote service utility
- Prints directly from a USB memory stick or SD card (SP C342DN with optional HDD)
- Encrypt, lock and password protect documents (SP C342DN with optional HDD)
- Supports **Nashuatec** and third party print solutions (SP C342DN with optional HDD and VM card)



Easy to setup and support

The new printers are easy to set up and support. The duplex, paper tray and starter cartridges are pre-installed and **Nashuatec's** Device Software Manager app quickly downloads the latest drivers, ready for use. In corporate environments, the administrator can use the Remote Shutdown facility, to ensure that all printers, including those in remote meeting rooms, are powered down to save energy.

- Easy replaceable All in One cartridge
- **Nashuatec's** Device Software Manager app quickly installs the latest print drivers
- The new printers can be self-maintained or serviced on a PpP contract
- SP C340DN and SP C342DN support @Remote monitoring and diagnostics
- Remote Shutdown facility allows administrator to power down remote printers



3. Product Positioning

- SP C340DN and SP C342DN supersede SP C320DN in Nashuatec's colour A4 printer range
- The new printers are network ready, support WiFi Direct printing (option) and WLAN
- SP C340DN is positioned as value solution for price sensitive customers
- SP C342DN is positioned as a TCO solution for major account customers
- SP C342DN can run workflow solutions, such as StreamLine NX (requires HDD and VM card)

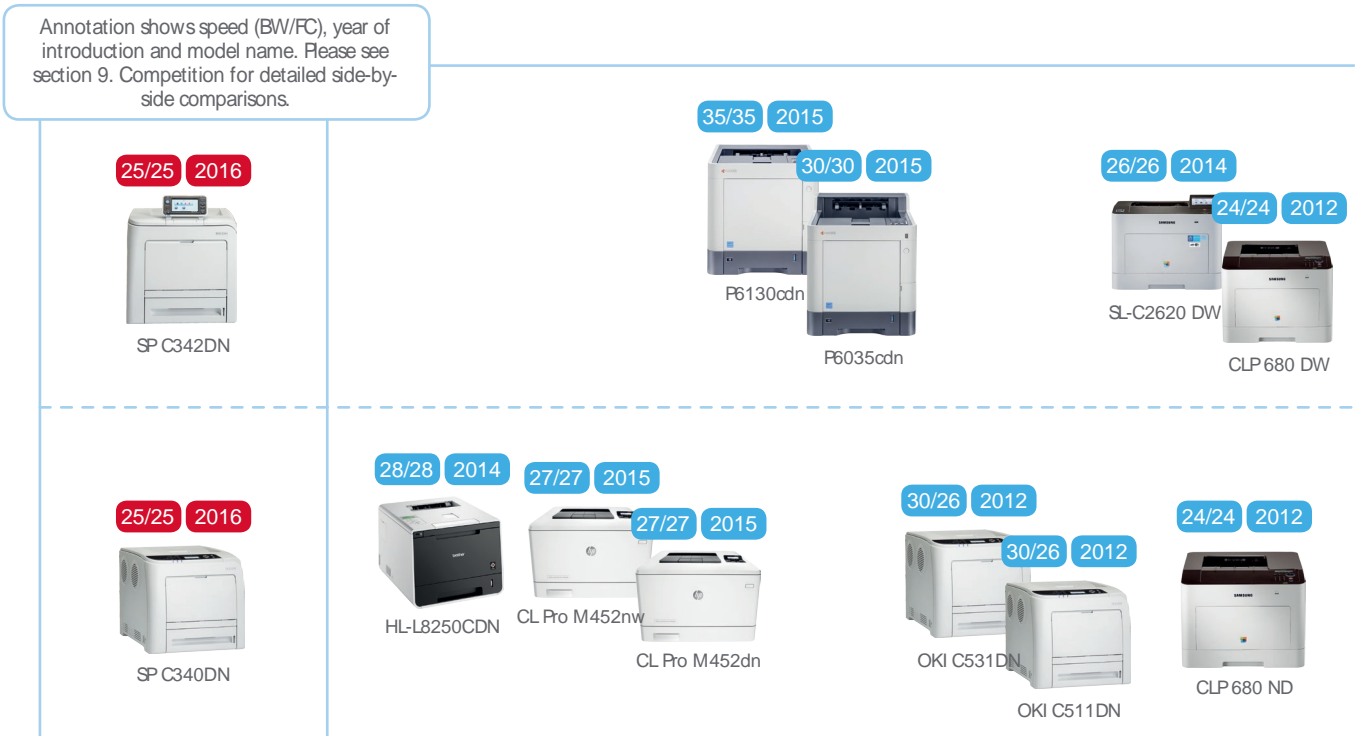
SP C340DN and SP C342DN are designed to meet the colour and black-and-white print requirements of individual users and small to medium sized workgroups. The new printers maintain and expand Nashuatec's desktop product range. Sharing the same smart I-style design, Universal Print Driver and touchscreen panel (SP C342DN) functionality as Nashuatec's latest desktop printers and MFPs, they enable sales people to offer a uniform and cost effective solution to a variety of desktop needs.

SP C340DN is positioned as value solution for price sensitive customers and is ideal for customers with print needs of between 100 and 800 pages per month. It offers class leading specifications, such as 1,200 x 1,200 dpi resolution, at a competitive price. High capacity print cartridges (5k capacity)

help to minimise running costs and the new printers are easily self-maintained.

SP C342DN is positioned as a TCO solution for major account customers. It has lower running costs than the SP C340DN and can be serviced on a PpP contract alongside other Nashuatec printers and MFPs. It is ideal for customers with print needs of between 500 and 1,200 pages a month. SP C342DN features a 4.3 inch colour touchscreen operation panel and when equipped with an optional HDD and VM card, can run enterprise workflow solutions, such as StreamLine NX. Installed alongside other GWNX printers and MFPs, it offers a controlled, consistent and cost-effective answer to workgroup print needs.

Nashuatec SP C340DN/SP C342DN Positioning vs Competitors



4. Configuration

Standard Configuration

SP C340DN and SP C342DN are colour A4 desktop printers. They are network ready and include PCL and PS3 printing as standard. They are supplied with a 500 sheet paper tray, a 100 sheet multi bypass and an internal duplex. SP C340DN has a 4-line LCD operation panel with cursor control and SP C342DN has a tilting touchscreen operation panel, equipped with a USB/SD card reader.

SP C340DN Mainframe



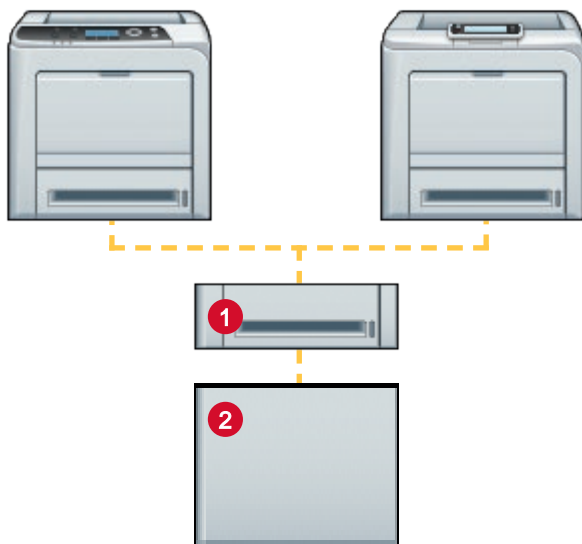
- 1 = 150 sheet delivery tray
- 2 = 4-line backlit LCD panel
- 3 = 100 sheet multi bypass
- 4 = Duplex [internal, not shown]
- 5 = 500 sheet A4 paper tray

SP C342DN Mainframe



- 1 = 150 sheet delivery tray
- 2 = 4.3" colour touchscreen 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 (TK1220) [one only]
- 2 = High cabinet

Please see the EDP Code and Dependency table (overleaf) for detailed configuration rules.

Functional Configuration

Functional Configuration - SP C340DN and SP C342DN		
	SP C340DN	SP C342DN
Functionality	A4 colour printer	
Interfaces	USB 2.0, USB 2.0 Host, Ethernet (100Base-TX/10Base-T) (standard) / Wireless LAN (IEEE802.11a/g) (option)	USB 2.0, USB 2.0 Host, Ethernet (100Base-TX/10Base-T) (standard) / Wireless LAN-Wifi Direct (IEEE802.11a/g), Parallel (IEEE1284), 2nd NIC Port (Ethernet 1000Base-T/100Base-TX/10Base-T) [included with USB device server], FictBridge (options)
Print Drivers	PCL 5c/6, PS3, PDF Direct (standard) / - (options)	PCL 5c/6, PS3, PDF Direct (standard) / XPS (option)

Memory	2 GB RAM (standard) / 320 GB Hard Disk Drive (option)	
Security	-	Data Overwrite Security (option, included with HDD)
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 C340DN and SP C342DN					
Category	Item	Product Name	EDP Code	Must Install	Cannot Install
Mainframe	25 ppm A4 colour printer	SP C340DN	407884	-	XPS Direct Print, Camera Direct Print, Hard Disk Drive, VM Card, Parallel interface, USB device server
	25 ppm A4 colour printer	SP C342DN	407888	-	-
Paper Feed	500 sheet paper tray	Paper Feed Unit TK1220	407890	-	More than one paper feed unit
Printing	XPS direct printing	XPS Direct Print Option Type P10	407891	-	-
Interfaces	WiFi Direct & WLAN interface	IEEE 802.11 Interface Unit Type M24	407863	-	-
	Parallel interface	IEEE 1284 Interface Board Type M19	417596	-	-
	PictBridge interface	Camera Direct Print Card Type P10	407892	-	-
	USB device server	USB Device Server Option Type M19	417568	-	-
Functional	320 GB hard disk drive	Hard Disk Drive Option Type P10	407893	-	-
	VM Card	VM Card Type P8	407865	-	-

Consumable EDP Codes - SP C340DN			
Category	Item	Product Name	EDP Code
Standard yield print cartridges	2.8K Black Toner	Print Cartridge Black SP C310E	407638
	2.8K Cyan Toner	Print Cartridge Cyan SP C310E	407641
	2.8K Magenta Toner	Print Cartridge Magenta SP C310E	407640
	2.8K Yellow Toner	Print Cartridge Yellow SP C310E	407639
Print cartridges	5K Toner Black	Print Cartridge Black SP C340E	407899
	5K Toner Cyan	Print Cartridge Cyan SP C340E	407900
	5K Toner Magenta	Print Cartridge Magenta SP C340E	407901
	5K Toner Yellow	Print Cartridge Yellow SP C340E	407902

Maintenance parts	Waste Bottle	Waste Toner Bottle SP C310	406066
	Transfer Belt	Transfer Unit SP C310	406067
	Maintenance Kit	Maintenance Kit SP C320	406795

Consumable EDP Codes - SP C342DN

Category	Item	Product Name	EDP Code
Standard yield print cartridges	2.8K Black Toner	Print Cartridge Black SP C310E	407638
	2.8K Cyan Toner	Print Cartridge Cyan SP C310E	407641
	2.8K Magenta Toner	Print Cartridge Magenta SP C310E	407640
	2.8K Yellow Toner	Print Cartridge Yellow SP C310E	407639
High yield print cartridges	7.2K Black Toner	Print Cartridge Black SP C310HE	407634
	6.6K Cyan Toner	Print Cartridge Cyan SP C310HE	407637
	6.6K Magenta Toner	Print Cartridge Magenta SP C310HE	407636
	6.6K Yellow Toner	Print Cartridge Yellow SP C310HE	407635
Maintenance parts	Waste Bottle	Waste Toner Bottle SP C310	406066
	Transfer Belt	Transfer Unit SP C310	406067
	Maintenance Kit	Maintenance Kit SP C320	406795

6. Target Markets

SP C340DN and SP C342DN are designed to meet the colour and black-and-white print requirements of individual users and small to medium sized workgroups in the general office and will be used to produce customer-facing letters, proposals, newsletters, brochures, presentations, envelopes and even banners!

major account customers, including SMEs and larger businesses that require cost effective managed print solutions. It can also be used to target customers in vertical markets, such as those in the pharmaceutical, legal and financial sectors looking to strengthen governance and security.

SP C340DN is positioned as value solution for price sensitive customers, including new start-up businesses and self-employed professionals. SP C342DN is positioned as a TCO solution for

Target Markets - SP C340DN/SP C342DN

	SP C340DN	SP C340DN/SP C342DN	SP C342DN
Target Market	Small businesses and self employed professionals	Tenders	Major Accounts (primary) / SMEs (secondary)
Target Workflow	General office colour and black and white print output, such as letters, proposals, newsletters, brochures, presentations, envelopes and even banners!		
Advantages	Value solution offering excellent specifications at a low price. Low cost (low yield) consumables are inexpensive to replace. Regular yield cartridges reduce print costs. Compatible with PC and Mac. Supports Cloud printing.	Tender solution, offering outstanding specifications (including 1,200 dpi print) at a competitive hardware price (SP C340DN) and a competitive TCO (SP C342DN).	MFP + P solution with a colour touchscreen and offering full compatibility with Nashuatec's advanced workflow solutions. Can be serviced on a PpP or self-service basis and provides a low total cost of ownership.

High-level business drivers will include:

Business Driver	Nashuatec Advantage	Customer Benefit
Easy operation	4.3 inch touchscreen (SP C342DN)	Intuitive interface
Minimal support	Device software manager	Easy installation of drivers
Mixed environment	Windows, IOS and Android compatible	OS independent
Mobile workforce	WiFi Direct + WLAN option	Easy & speedy wireless access
Reduce print bottlenecks	1.46 GHz Intel processor	Large files processed quickly
Increase print quality	1,200 x 1,200 dpi resolution	Immaculate colour prints
Reliable performance	75k duty cycle	Reliably meet peaks in demand
Reduce overheads	90k maintenance interval	Maintenance-free (volume dependent)
Improve governance	SP C342DN is solutions capable	Control and automate workflow



6. Key Features

Mainframe - SP C340DN and SP C342DN		
Feature	Advantage	Benefit
A4 engine	Lower purchase price than an A3 printer.	Reduce capital expenditure.
Compact design	Small footprint (0.192 m ²) and low profile (387/404 mm).	Saves valuable office space.
LCD guidance (SP C340DN)	Backlit 4-line LCD operation panel.	Simplifies setup and guides operation.
Colour touchscreen (SP C342DN)	Titling 4.3inch colour touchscreen operation panel.	Simplifies operations and acts as smart interface for optional workflow solutions.




Productivity - SP C340DN and SP C342DN		
Feature	Advantage	Benefit
1.46 GHz Intel processor & 2GB RAM	Complex print files are processed quickly.	First page delivered in just 13.5 seconds (BW/FC).
25 ppm print engine	Colour and black-and-white output delivered at 25 ppm.	Fast throughput reduces print bottlenecks.
High speed duplex	The new printers are equipped with high speed duplexes.	Maintains productivity when printing double-sided.

Durability - SP C340DN and SP C342DN		
Feature	Advantage	Benefit
Extensive duty cycle	75k duty cycle.	Reliably handle large peaks in print volume.
Maintenance-free	Low to mid volume users (up to 1,500 pages a month) will not need to replace any maintenance parts during the printers life.	Helps to reduce page costs.


PpP service (SP C342DN)	All inclusive, pay as you go service.	No 'hidden' consumable costs.
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Paper Handling - SP C340DN and SP C342DN

Feature	Advantage	Benefit
Versatile media support 	The standard tray will feed paper weights of 60 to 163 gsm and the bypass, 60 to 220 gsm.	Add impact by printing onto thick paper, letterhead paper and other non-standard media.
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.
1,100 sheet paper capacity (maximum)	The standard capacity of 600 sheets (500 sheet tray and 100 sheet bypass) can be expanded to 1,100 sheets with the addition of a 500 sheet paper tray.	Hold different stock online and reduce frequency of paper replenishment.
Auto paper select (requires optional 2nd tray)	The printer automatically selects paper from a tray matching the specified paper size and orientation.	Reduces waste by eliminating the risk of work being printed onto paper of the wrong size or orientation.
Auto tray switching (requires optional 2nd tray)	The printer automatically switches between paper trays. One tray can be replenished whilst the other is in use.	Replenish paper without interrupting the print process and support non-stop production.
Sub paper size setting (requires optional HDD)	If a letter-size job (US format) is printed, the printer will automatically adjust the print area for A4 paper.	Reduces waste by ensuring that letter and A4 documents are printed correctly irrespective of the paper loaded.
Banner printing	Banner stock of up to 1,126mm in length can be fed using the bypass.	Colourful banners can be printed in house, saving time and money.

Connectivity - SP C340DN and SP C342DN

Feature	Advantage	Benefit
Network ready	The new printers are equipped with gigabit ethernet interfaces.	Workgroup users can share the same device, improving access.
WiFi Direct *** New Option ***	Network independent interface provides a fast (25 Mbps) and secure (WPA2 protected) wireless facility.	Simplifies set up as it doesn't require an internet access point and there is no need to access a network to use the printer.
USB device server *** New Option ***	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.
Device Software Manager	NashuaDoc app simplifies driver download and installation.	Simplifies set up and support.
Smart Device Print and Scan	Free NashuaDoc app enables documents to be printed from a smartphones and tablets.	Improves access and mobility.

<p>Print from USB/SD-card (with optional HDD)</p> 	<p>Print directly from your USB-stick without the need of a network connection to the printer.</p>	<p>Allows you to print wherever you go.</p>
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Printing - SP C340DN and SP C342DN

Feature	Advantage	Benefit
1,200 x 1,200 dpi resolution	High resolution print output delivered at full engine speed.	Improves the appearance of business communication.
PCL and PS3 drivers	Both models support PCL and PostScript printing.	Easy deployment in Windows and Mac print environments.
PostScript 3 *** Standard ***	PostScript printing is included as standard.	Print PostScript, PDF and XPS files accurately.
Point and print icons	Nashuatec's PCL and PS3 print drivers have graphic icons which allow single click selection of complex settings.	Simplifies the print process, saving time.
Universal driver	Both models support Nashuatec's universal print driver, a single driver, which can be used	The driver can be with the latest Nashuatec printers and MFPs, simplifying operation and reducing IT support requirements.
PDF direct print	PDF files are processed by the printer rather than the PC.	Releases computer resource and reduces network traffic.
Scheduled print	Time-consuming jobs such as invoice runs can be scheduled to run overnight or at the weekend.	Reduces bottlenecks.

Security - SP C342DN

Feature	Advantage	Benefit
Quota scheduling (requires optional HDD)	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 Nashuatec devices.	Establishes governance over the print environment and reduces print volume.
Banner page print (requires optional HDD)	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 (requires optional HDD)	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.
Workflow support (required 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.
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Environment - SP C340DN and SP C342DN

Feature	Advantage	Benefit
Sleep mode	In energy saving sleep mode, the new devices use less than 0.5 W.	Reduces energy consumption.
Remote Shutdown *** New Feature ***	Remote Shutdown facility allows administrator to power down remote printers.	Ensure that all printers are powered down to save energy.
Omit blank pages	New print driver setting omits blank pages.	Reduces paper consumption.
ECO Night Sensor	Automatically turns off the machine when it detects a very low intensity of light.	Save energy and reduce carbon emissions.
Energy Star 2.0	The new printers comply with the latest environmental standards, including Energy Star v2.	Don't just take Nashua 's word for it; third party certification proves that these devices are eco-friendly.

7. Specifications

General Specifications - SP C340DN			
Configuration	Desktop		
Warm-up time	20 seconds		
First output speed	Full colour	13.5 seconds	
	B/W	13.5 seconds	
Continuous output speed	Full colour	A4 duplex	25 pages per minute
	B/W	A4 duplex	25 pages per minute
Memory	Standard	2 GB	
	Maximum	2 GB	
Duty cycle	75,000 prints per month		
Duplex	Standard		
Dimensions (W x D x H)	400 x 480 x 387 mm		
Weight	29 kg		

Printer Specifications - SP C340DN			
RAM	Standard	2 GB	
	Maximum	2 GB	
Printer language	Standard	PCL5c	
		PCL6	
		Adobe® PostScript® 3™	
		PDF direct print	
Print resolution	600 x 600 dpi		
	1,200 x 1,200 dpi		
Interface	Standard	USB 2.0	
		USB Host I/F	
		Ethernet 10 base-T/100 base-TX/1000 base-T	
	Option	Wireless LAN (IEEE 802.11a/b/g/n)	
Windows® environments	Windows® Vista		
	Windows® 7		
	Windows® 8		
	Windows® 8.1		
	Windows® 10		
	Windows® Server 2008		
	Windows® Server 2008R2		
Mac OS environments	Macintosh OS X Native v10.7 or later		
UNIX environments	UNIX Sun® Solaris		
	HP-UX		
	SCO OpenServer		
	RedHat® Linux Enterprise		

	IBM® AIX
SAP® R/3® environments	SAP® R/3®
Printer driver features	Reduce/enlarge(zoom/scaling)
	Reduce/enlarge centering
	Layout (N-up, page per sheet)
	Poster
	Duplex
	Watermark
	Header/footer
	Collate
	Cover sheet (front cover)
	Front and back cover
	Slip sheet
	Rotate by 180 degrees
	Reverse order print
	Do not print blank pages
	Dithering
	Toner saving
User ID	
User code	
Auto Job Promotion	

Paper Specifications- SP C340DN		
Recommended paper size	Standard paper tray(s)	A4
		A5
		B5
		Legal
		Letter
		Executive
		Foolscap
		Folio
		F/GL
	Bypass tray	A4
		A5
		A6
		B5
		B6
		Legal
		Letter

		Half Letter
		Executive
		F/GL
		Foolscap
		Folio
Paper input capacity	Standard	600 sheets
	Maximum	1,100 sheets
Paper output capacity	Standard	150 sheets
	Maximum	150 sheets
Paper weight	Paper tray(s)	60 - 163 g/m ²
	Optional paper tray(s)	60 - 105 g/m ²
	Bypass tray	60 - 220 g/m ²
	Duplex	60 - 90 g/m ²
Media capability	Plain paper	
	Middle thick paper	
	Thick paper	
	Recycled paper	
	Colour paper	
	Letterhead	
	Pre-printed paper	
	Thin paper	
	Coated paper (glossy)	
	Coated paper (matted)	
	Special paper	
	Label paper	
	Colour paper	
	Letterhead	
	Pre-printed paper	
	Thin paper	
	Coated paper (glossy: thick)	
	Coated paper (matted: thick)	
	Special paper	
	Envelopes	
Bond		
Cardstock		

Security Specifications - SP C340DN

Authentication	Windows® authentication
	LDAP authentication
	Basic authentication
	User code authentication
	802.1.x wired authentication

Environmental Specifications - SP C340DN

Sound power level (mainframe only)	Stand-by	Less than 27.8 dB		
	Printing	Less than 39 dB		
Sound power level (full system)	Stand-by	Less than 39 dB		
	Printing	Less than 65 dB		
Sound pressure level (mainframe only)	Stand-by	Less than 31 dB		
	Printing	Less than 54 dB		
Sound pressure level (full system)	Stand-by	Less than 31 dB		
	Printing	Less than 59 dB		
Power consumption	Maximum	1.3 kW		
	Operating power	B/W print	1.3 kW	
		Colour print	1.3 kW	
	Ready mode	65 W or less		
	Sleep mode	Less than 0.5 W		
	TEC (Typical Electricity Consumption)	2.3 kWh		
Energy Saver mode	0.5 W			
Material emission level (emission rate)	Ozone (Print)	FC	Operation: 3 mg/h	
		BW	Operation: 1.5 mg/h	
	Dust (Print)	FC	Operation: 4 mg/h	
		BW	Operation: 4 mg/h	
	Styrene (Print)	FC	Operation: 1.8 mg/h	
		BW	Operation: 1 mg/h	
	TVOC (Print)	FC	Operation: 18 mg/h	
		BW	Operation: 10 mg/h	
	Benzene (Print)	FC	Operation: 0.05 mg/h	
		BW	Operation: 0.05 mg/h	
	Environmental labels/ENERGY STAR certification	ENERGY STAR version 2.0		
	Storage conditions	Temperature	30°C - 40°C	

	Humidity	Less than 80%
	Storage period	Maximum 12 months
Transportation conditions	Temperature	30 - 50°C
	Humidity	Less than 95%

General Specifications - SP C342DN			
Configuration	Desktop		
Warm-up time	20 seconds		
First output speed	Full colour	13.5 seconds	
	B/W	13.5 seconds	
Continuous output speed	Full colour	A4	25 pages per minute
		A4 duplex	25 pages per minute
	B/W	A4	25 pages per minute
		A4 duplex	25 pages per minute
Memory	Standard	2 GB	
	Maximum	2 GB	
HDD	320 GB		
Duty cycle	75,000 prints per month		
Duplex	Standard		
Dimensions (W x D x H)	400 x 480 x 404 mm		
Weight	29 kg		

Printer Specifications - SP C342DN			
RAM	Standard	2 GB	
	Maximum	2 GB	
HDD (Option)	Maximum	320 GB	
Printer language	Standard	PCL5c	
		PCL6	
		Adobe® PostScript® 3™	
		PDF direct print	
	Option	XPS	
		PctBridge	
Print resolution	600 x 600 dpi		
	1,200 x 1,200 dpi		
Interface	Standard	USB 2.0	
		USB Host I/F	
		Ethernet 10 base-T/100 base-TX/1000 base-T	
	Option	SD slot	

		Bi-directional IEEE 1284
		Wireless LAN (IEEE 802.11a/b/g/n)
		USB Server for Second Network Interface
Windows® environments	Windows® Vista	
	Windows® 7	
	Windows® 8	
	Windows® 8.1	
	Windows® Server 2008	
	Windows® 10	
	Windows® Server 2008R2	
	Windows® Server 2012	
	Windows® Server 2012R2	
Mac OS environments	Macintosh 8.6 or later (OS X Classic)	
	Macintosh OS X Native v10.7 or later	Adobe® PostScript® 3™
		Printer Utility for Mac
UNIX environments	UNIX Sun® Solaris	
	HP-UX	
	SCO OpenServer	
	RedHat® Linux Enterprise	
	IBM® AIX	
SAP® R/3®	SAP® R/3 3.x® or later	
Other supported environments	NDPS Gateway	
	AS/400® using OS/400 Host Print Transform	
	IBM iSeries	
	CUPS support	
	Custom Device Type (SAP/R3)	
	Device Option Utility (Citrix)	
	HPT support	
Printer driver features	Sample print	
	Locked print	
	Hold print	
	Stored print	
	Stored print (shared)	
	Reduce/enlarge(zoom/scaling)	
	Reduce/enlarge centering	
	Layout (N-up, page per sheet)	
	Poster	
	Duplex	
	Watermark	

Header/footer
Collate
Cover sheet (front cover)
Front and back cover
Slip sheet
Rotate by 180 degrees
Reverse order print
Do not print blank pages
Dithering
Toner saving
Black over print
User ID
User code
Mirror image print
Edge to edge print

Paper Specifications - SP C342DN		
Recommended paper size	Standard paper tray(s)	A4
		A5
		B5
		Legal
		Letter
		Executive
		F/GL
		Foolscap
		Folio
		Bypass tray
	A5	
	A6	
	B5	
	B6	
	Legal	
	Letter	
	Half Letter	
	Executive	
	F/GL	
	Foolscap	
Folio		

Paper input capacity	Standard	600 sheets
	Maximum	1,100 sheets
Paper output capacity	Standard	150 sheets
	Maximum	150 sheets
Paper weight	Paper tray(s)	60 - 163 g/m ²
	Optional paper tray(s)	60 - 105 g/m ²
	Bypass tray	60 - 220 g/m ²
	Duplex	60 - 90 g/m ²
Media capability	Plain paper	
	Middle thick paper	
	Thick paper	
	Recycled paper	
	Colour paper	
	Letterhead	
	Pre-printed paper	
	Thin paper	
	Coated paper (glossy)	
	Coated paper (matted)	
	Special paper	
	Label paper	
	Envelopes	
	Bond	
	Cardstock	
	Coated paper (glossy: thick)	
	Coated paper (matted: thick)	
	Coated paper (glossy: thick)	
	Coated paper (matted: thick)	
	Special paper	
Envelopes		
Bond		
Cardstock		

Security Specifications - SP C342DN

Authentication	Windows® authentication
	LDAP authentication
	Basic authentication
	User code authentication
	802.1.x wired authentication

Environmental Specifications - SP C342DN

Sound power level (mainframe only)	Stand-by	Less than 27.8 dB	
	Printing	Less than 61.6 dB	
Sound power level (full system)	Stand-by	Less than 27.8 dB	
	Printing	Less than 65 dB	
Sound pressure level (mainframe only)	Stand-by	Less than 23.2 dB	
	Printing	Less than 50.2 dB	
Sound pressure level (full system)	Stand-by	Less than 23.2 dB	
	Printing	Less than 52.8 dB	
Power consumption	Maximum	1.3 kW	
	Operating power	B/W print	1.3 kW
		Colour print	1.3 kW
	Ready mode	65 W or less	
	Sleep mode	Less than 0.5 W	
	TEC (Typical Electricity Consumption)	1.5 kWh	
	TEC (Typical Electricity Consumption)	1.5 kWh	
Material emission level (emission rate)	Ozone (Print)	FC	Operation: 3 mg/h
		BW	Operation: 1.5 mg/h
	Dust (Print)	FC	Operation: 4 mg/h
		BW	Operation: 4 mg/h
	Styrene (Print)	FC	Operation: 1.8 mg/h
		BW	Operation: 1 mg/h
	TVOC (Print)	FC	Operation: 18 mg/h
		BW	Operation: 10 mg/h
	Benzene (Print)	FC	Operation: 0.05 mg/h
		BW	Operation: 0.05 mg/h
Environmental labels/ENERGY STAR certification	ENERGY STAR version 2.0		
Storage conditions	Temperature	30°C - 40°C	
	Humidity	Less than 80%	
	Storage period	Maximum 12 months	
Transportation conditions	Temperature	30 - 50°C	
	Humidity	Less than 95%	



8. Service and Supplies

SP C340DN is a self-maintenance model. Customers printing fewer than 1,500 pages a month (the average print volume is 800 pages) will not need to replace the maintenance kit or transfer unit (both 90k yield) during the life of the printer and the high capacity print cartridges (5k yield) help to reduce print costs.

SP C342DN can also be self-maintained or serviced on a PpP contract. SP C342DN uses different print cartridges to SP C340DN. The higher yield cartridges (used when the printer is serviced on a PpP basis), help to reduce print costs. Serviced on a PpP basis, SP C342DN offers a lower total cost of ownership.

PpP servicing offers the following customer advantages:

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

The new printers are robust and reliable. With duty cycles of 75,000 pages, they support a wide range of print volumes and will reliably handle large peaks in volume.

Using @Remote, the printers can be monitored in real-time, enabling [Nashua'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 C340DN/SP C342DN			
		SP C340DN	SP C342DN
Consumables	High yield toner (BW/Col)	5,000/5,000 pages	7,200/6,600 pages
	Regular yield toner (BW/Col)	2,800/2,800 pages	2,800/2,800 pages
Document Volume	Average Monthly Volume	800 pages	1,200 pages
	Maximum Monthly Volume	30,000 pages	
	Duty Cycle	75,000 pages	
	Maintenance Cycle	Maintenance Kit 90k, Transfer Unit 90k, Waste Toner Bottle 55k	
Life	Target Life (Mainframe)	5 years or 360k prints, whichever comes first	

9. Competition

- Easily connected (WiFi Direct, print from smart phones, optional 2nd NIC [SP C342DN])
- Faster response (GWNX controller, 1.46 GHz processor, 2GB RAM)
- Superior image quality (1,200 x 1,200 dpi resolution, PoP print mode)
- Fewer stops (600 to 1,100 sheet capacity, auto tray switching, high yield cartridges)
- Effortlessly reliable (high build quality, 75k duty cycle, 90k maintenance interval)
- Workflow support [SP C342DN] (Touchscreen panel, HDD and VM card options)

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 C340DN	Versus	Brother HL-L8250CDN HP Color LaserJet Pro M452dn HP Color LaserJet Pro M452nw OKI C511DN OKI C531DN Samsung CLP 680 ND
★★★★★		

SP C342DN	Versus	KYOCERA ECOSYS P6035cdn KYOCERA ECOSYS P6130cdn Samsung CLP 680 DW Samsung SL-C2620 DW
★★★★★		



Model	Nashuatec SP C340DN	Brother HL-L8250CDN	Advantages
Market Launch	July 2016	May 2014	
Noise level	54dB	53.3 dB/27.9 dB	
Processor	1.46 Ghz.	400 Mhz	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (opt), Nashuatec Mobile Print	Airprint, Brother iPrint, Google Cloud Print, Mopria	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	410 x 486 x 313mm	
Weight	29 kg	21.9 kg	
User interface	4-line LCD	LCD/16	Common navigation with all mid-segment products speed operation
TEC rating	2.3 kWh	2 kWh	
Productivity			
Warm up time	20 seconds	29 seconds	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	15 sec/15 sec	
Print speed (B&W/col)	25/25 ppm	28 ppm/28 ppm	
Duty cycle	75,000 impressions	40,000 impressions	Handles higher peak volumes best ★
Paper Handling			
Paper formats (min/max)	A6/A4	A6/A4	
Paper trays (std/max)	1/2	2/3	Fewer stops for replenishment ★
Paper capacity (std/max)	600/1100	300/800	Print onto thick paper and card
Paper weight (tray/bypass)	60-163/60-220gsm	60-105 gsm/60-163gsm	Bypass included in mainframe price
Bypass (cap)	Standard, 100 sheets	Standard, 50 sheets	Automatic duplex, saving paper & costs
Duplex	Standard	Standard	
Printing			
Resolution	1,200 x 1,200 dpi	2400 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL 6, PostScript 3	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284.	10/100BaseTX Ethernet, USB 2.0, USB (host), Print from USB	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	128 MB/384 MB	Process large documents faster ★
Supplies			
Type	AIO	AIO	Saves money and reduces waste
Toner yield (B&W/col)	5k/5k	6K/3.5K & 2K/1.5K	High yield cartridges need replacing less often
Options	500 sheet paper tray IEEE 802.11 Interface Unit		Provides an additional 500-sheets. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct



Model	Nashuatec SP C340DN	HP Color LaserJet Pro M452dn	Advantages
Market Launch	July 2016	September 2015	
Noise level	54dB	49 dB/34 dB	
Processor	1.46 Ghz.	1.2 Ghz.	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (opt), Nashuatec Mobile Print	Airprint, Mopria, Google Cloud Print	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	295 x 412 x 469 mm	
Weight	29 kg	18.9 kg	
User interface	4-line LCD	2-line LCD	Common navigation with all mid-segment products speed operation
TEC rating	2.3 kWh	1.29 kWh	
Productivity			
Warm up time	20 seconds	N/A	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	9 sec/9.9 sec	
Print speed (B&W/col)	25/25 ppm	27 ppm/27 ppm	
Duty cycle	75,000 impressions	50,000 impressions	Handles higher peak volumes best ★
Paper Handling			
Paper formats (min/max)	A6/A4	A6/A4	Print colour promotional banners
Paper trays (std/max)	1/2	2/3	Hold a wider variety of stock online
Paper capacity (std/max)	600/1100	350/850	Fewer stops for replenishment ★
Paper weight (tray/bypass)	60-163/60-220gsm	60-163/60-176gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 50 sheets	Bypass included in mainframe price
Duplex	Standard	Standard	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	600 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL 5c/6, PostScript 3	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284.	10/100/1000BaseTX Ethernet, USB 2.0, USB (host)	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	128 MB	Process large documents faster ★
Supplies			
Type	AIO	AIO	Saves money and reduces waste
Toner yield (B&W/col)	5k/5k	6.5K/5K & 2.3K/2.3K	High yield cartridges need replacing less often
Options	500 sheet paper tray IEEE 802.11 Interface Unit		Provides an additional 500-sheets. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct



Model	Nashuatec SP C340DN	HP Color LaserJet Pro M452nw	Advantages
Market Launch	July 2016	September 2015	
Noise level	54dB	49 dB/34 dB	
Processor	1.46 Ghz.	1.2 Ghz.	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (opt), Nashuatec Mobile Print	Airprint, Wifi-direct, Mopria, Google Cloud Print	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	295 x 412 x 453 mm	
Weight	29 kg	17.5 kg	
User interface	4-line LCD	2-line LCD	Common navigation with all mid-segment products speed operation
TEC rating	2.3 kWh	1.52 kWh	
Productivity			
Warm up time	20 seconds	N/A	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	9 sec/9.9 sec	
Print speed (B&W/col)	25/25 ppm	27 ppm/27 ppm	
Duty cycle	75,000 impressions	50,000 impressions	Handles higher peak volumes best ★
Paper Handling			
Paper formats (min/max)	A6/A4	A6/A4	Print colour promotional banners
Paper trays (std/max)	1/2	2/3	Hold a wider variety of stock online
Paper capacity (std/max)	600/1100	350/850	Fewer stops for replenishment ★
Paper weight (tray/bypass)	60-163/60-220gsm	60-163/60-1760gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 50 sheets	Bypass included in mainframe price
Duplex	Standard	With Manual driver	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	600 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL 5c/6, PostScript 3	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284.	10/100/1000BaseTX Ethernet, 802.11b/g/n, USB 2.0, USB (host)	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	128 MB	Process large documents faster ★
Supplies			
Type	AIO	AIO	Saves money and reduces waste
Toner yield (B&W/col)	5k/5k	6.5K/5K & 2.3K/2.3K	High yield cartridges need replacing less often
Options	500 sheet paper tray IEEE 802.11 Interface Unit	500 sheet paper tray	Provides an additional 500-sheets. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct



Model	Nashuatec SP C340DN	OKI C511DN	Advantages
Market Launch	July 2016	April 2012	
Noise level	54dB	54 dB/35 dB	
Processor	1.46 Ghz.	266 Mhz	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (opt), Nashuatec Mobile Print		Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS
Physical			
Technology	Laser	LED	
Dimensions (WxDxH)	400 x 480 x 387mm	410 x 504 x 242mm	
Weight	29 kg	22 kg	
User interface	4-line LCD	LCD/32	Common navigation with all mid-segment products speed operation
TEC rating	2.3 kWh	N/A	
Productivity			
Warm up time	20 seconds	32 seconds	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	8.5 sec/9 sec	
Print speed (B&W/col)	25/25 ppm	30 ppm/26 ppm	
Duty cycle	75,000 impressions	60,000 impressions	Handles higher peak volumes best ★
Paper Handling			
Paper formats (min/max)	A6/A4	A6/A4	
Paper trays (std/max)	1/2	2/3	Fewer stops for replenishment ★
Paper capacity (std/max)	600/1100	350/880	Print onto thick paper and card
Paper weight (tray/bypass)	60-163/60-220gsm	64-176gsm/64-220gsm	Bypass included in mainframe price
Bypass (cap)	Standard, 100 sheets	Standard, 100 sheets	Automatic duplex, saving paper & costs
Duplex	Standard	Standard	
Printing			
Resolution	1,200 x 1,200 dpi	1200 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	Host-based	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284.	10/100BaseTX Ethernet, USB 2.0	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	64 MB/64 MB	Process large documents faster ★
Supplies			
Type	AIO	Toner	Saves money and reduces waste
Toner yield (B&W/col)	5k/5k	7k/5k & 3.5K/2K	High yield cartridges need replacing less often
Options	500 sheet paper tray IEEE 802.11 Interface Unit		Provides an additional 500-sheets. This option allows you to connect the device wirelessly to the LAN or Wifi-Direct.



Model	Nashuatec SP C340DN	OKI C531DN	Advantages
Market Launch	July 2016	April 2012	
Noise level	54dB	54 dB/35 dB	
Processor	1.46 Ghz.	532 Mhz	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (opt), Nashuatec Mobile Print		Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS
Physical			
Technology	Laser	LED	
Dimensions (WxDxH)	400 x 480 x 387mm	410 x 504 x 242mm	
Weight	29 kg	22kg	
User interface	4-line LCD	LCD/32	Common navigation with all mid-segment products speed operation
TEC rating	2.3 kWh	N/A	
Productivity			
Warm up time	20 seconds	32 sec	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	7.5 seconds / 8 seconds	
Print speed (B&W/col)	25/25 ppm	30 ppm/26 ppm	
Duty cycle	75,000 impressions	60,000 impressions	Handles higher peak volumes best ★
Paper Handling			
Paper formats (min/max)	A6/A4	A6/A4	
Paper trays (std/max)	1/2	2/3	
Paper capacity (std/max)	600/1100	350/880	Fewer stops for replenishment ★
Paper weight (tray/bypass)	60-163/60-220gsm	64-176gsm/64-220gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 100 sheets	Bypass included in mainframe price
Duplex	Standard	Standard	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	1200 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL 5c/6, PostScript 3, SIDM	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284.	10/100BaseTX Ethernet, USB 2.0	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	256 MB / 768 MB	Process large documents faster ★
Supplies			
Type	AIO	Toner	Saves money and reduces waste
Toner yield (B&W/col)	5k/5k	7k/5k & 3.5K/2K	High yield cartridges need replacing less often
Options	500 sheet paper tray IEEE 802.11 Interface Unit M24		Provides an additional 500-sheets. This option allows you to connect the device wirelessly to the LAN or Wifi-Direct.



Model	Nashuatec SP C340DN	Samsung CLP 680 ND	Advantages
Market Launch	July 2016	July 2012	
Noise level	54dB	52 dB	
Processor	1.46 Ghz.	533 Mhz	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (opt), Nashuatec Mobile Print	Samsung Mobile Print	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	420 x 452 x 311mm	
Weight	29 kg	20.15kg	
User interface	4-line LCD	2-line LCD	Common navigation with all mid-segment products speed operation
TEC rating	2.3 kWh	1.49 kWh	
Productivity			
Warm up time	20 seconds	N/A	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	17 seconds	
Print speed (B&W/col)	25/25 ppm	24/24 ppm	
Duty cycle	75,000 impressions	60,000 impressions	Handles higher peak volumes best ★
Paper Handling			
Paper formats (min/max)	A6/A4	A6/A4	
Paper trays (std/max)	1/2	1/2	
Paper capacity (std/max)	600/1100	300/820	Fewer stops for replenishment ★
Paper weight (tray/bypass)	60-163/60-220gsm	60-220/60-220gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 50 sheets	Bypass included in mainframe price
Duplex	Standard	Standard	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	9,600 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL, PS3, PDF-direct, SPL-C	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284.	Gigabit ethernet, USB2.0, USB-print.	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	256 MB / 512 MB	Process large documents faster ★
Supplies			
Type	AIO	Toner	Saves money and reduces waste
Toner yield (B&W/col)	5k/5k	6k/3.5k & 2k/1.5k	High yield cartridges need replacing less often
Options	500 sheet paper tray IEEE 802.11 Interface Unit		Provides an additional 500-sheets. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct



Model	Nashuatec SP C342DN	KYOCERA EOOSYS P6035cdn	Advantages
Market launch	July 2016	June 2015	
Noise level	61dB	51.2 dB	
Processor	1.46 Ghz.	1 GHz	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (optional), Nashuatec Mobile Print	AirPrint, Mopria, KYOCERA Mobile Print	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS ★
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	470 x 345 x 518mm	
Weight	29 kg	29kg	
User interface	4.3 inch Touch panel	5-line LCD	Easy navigation and common interface as Nashuatec's MFP line-up. Takes full benefit from software applications ★
TEC rating	2.3 kWh	2.19 kWh	
Productivity			
Warm up time	20 seconds	25 seconds	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	6.5/7.5 seconds	
Print speed (B&W/col)	25/25 ppm	35/35 ppm	
Duty cycle	75,000 impressions	100,000 impressions	Handles higher peak volumes best
Paper Handling			
Paper formats (min/max)	A4/A6	A6/A4	
Paper trays (std/max)	1/2	2/5	
Paper capacity (std/max)	600/1100	600/2100	Fewer stops for replenishment
Paper weight (tray/bypass)	60-163/60-220gsm	60-120/60-220gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 100 sheets	Bypass included in mainframe price
Duplex	Standard	Standard	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	9,600 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL, PS3, PDF-direct, XPS-direct, Print from USB	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284, Print from USB.	Gigabit ethernet, USB2.0, USB2.0 Host, SD-card	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	512 MB / 2 GB	Process large documents faster ★
Hard drive	Opt 320 GB	Opt 32 and 128 GB	Supports print on demand and lock print
Supplies			
Type	AIO	Toner	Saves money and reduces waste
Toner yield (B&W/col)	7.2k/6.6k	12k/10k and 6k/5k	High yield cartridges need replacing less often
Options			
	Paper Feed Unit 500 sheets XPS Direct Print Option	Paper tray 500 sheets 60-120g/m2 Paper tray 500 sheets 60-220g/m2	Provides an additional 500-sheets. Enables you to print Windows XPS-files without saving the document first
	Camera Direct Print Card		Provides the ability to directly print your images from your digital camera to a printer
	Hard Disk Drive Option 320 GB	32 and 128 GB HDD	The Hard Disk Drive (HDD) transforms the Printer into an information hub.
	VM CARD		The VM Card enables the installation of embedded software applications
	USB Device Server Option IEEE 1284 Interface Board IEEE 802.11 Interface Unit	Wireless interface (802.11b/g/n)	Use your printer in two different networks ★ For environments that require Parallel connectivity. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct
	Cabinet	1 GB RAM memory	Provides added storage for paper and extra supplies and raises the system to an optimal height for floor placement.



Model	Nashuatec SP C342DN	KYOCERA ECOSYS P6130cdn	Advantages
Market launch	July 2016	June 2015	
Noise level	61dB	49.2 dB	
Processor	1.46 Ghz.	1 GHz	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (optional), Nashuatec Mobile Print	AirPrint, Mopria, KYOCERA Mobile Print	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS ★
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	410 x 390 x 523mm	
Weight	29 kg	28kg	
User interface	4.3 inch Touch panel	2-line LCD	Easy navigation and common interface as Nashuatec's MFP line-up. Takes full benefit from software applications ★
TEC rating	2.3 kWh	1.85 kWh	
Productivity			
Warm up time	20 seconds	26 seconds	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	7/8 seconds	
Print speed (B&W/col)	25/25 ppm	30/30 ppm	
Duty cycle	75,000 impressions	100,000 impressions	Handles higher peak volumes best
Paper Handling			
Paper formats (min/max)	A4/A6	A6/A4	
Paper trays (std/max)	1/2	2/5	★
Paper capacity (std/max)	600/1100	600/2100	Fewer stops for replenishment
Paper weight (tray/bypass)	60-163/60-220gsm	60-163/60-220gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 100 sheets	Bypass included in mainframe price
Duplex	Standard	Standard	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	9,600 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL, PS3, PDF-direct, XPS-direct, Print from USB	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284, Print from USB.	Gigabit ethernet, USB2.0, USB2.0 Host, SD-card,	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	512 MB/ 2 GB	Process large documents faster ★
Hard drive	Opt 320 GB	Opt 32 and 128 GB	Supports print on demand and lock print
Supplies			
Type	AIO	Toner	Saves money and reduces waste
Toner yield (B&W/col)	7.2k/6.6k	7k/5k & 3.5k/2.5k	High yield cartridges need replacing less often
Options			
	Paper Feed Unit 500 sheets XPSDirect Print Option	Paper tray 500 sheets 60-163g/m2 Paper tray 500 sheets 60-220g/m2	Provides an additional 500-sheets. Enables you to print Windows XPS-files without saving the document first from PC and USB.
	Camera Direct Print Card		Provides the ability to directly print your images from your digital camera to a printer
	Hard Disk Drive Option 320 GB	32 GB HDD	The Hard Disk Drive (HDD) transforms the Printer into an information hub.
	VM CARD	128 GB HDD	The VM Card enables the installation of embedded software applications
	USB Device Server Option IEEE 1284 Interface Board IEEE 802.11 Interface Unit	WLAN-card (802.11b/g/n)	Use your printer in two different networks ★ For environments that require Parallel connectivity. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct
	Cabinet	Cabinet RAM 1024 MB ThinPrint Kit UG-33	Provides added storage for paper and extra supplies and raises the system to an optimal height for floor placement.



Model	Nashuatec SP C342DN	Samsung CLP 680 DW	Advantages
Market launch	July 2016	July 2012	
Noise level	61dB	52 dB	
Processor	1.46 Ghz.	533 Mhz.	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (optional), Nashuatec Mobile Print	Mopria, Samsung Mobile Print	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS ★
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	420 x 452 x 311mm	
Weight	29 kg	20.15kg	
User interface	4.3 inch Touch panel	2-line LCD	Easy navigation and common interface as Nashuatec's MFP line-up. Takes full benefit from software applications ★
TEC rating	2.3 kWh	1.49 kWh	
Productivity			
Warm up time	20 seconds	N/A	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	17 seconds	Urgent one-off prints are ready faster
Print speed (B&W/col)	25/25 ppm	24/24 ppm	
Duty cycle	75,000 impressions	60,000 impressions	Handles higher peak volumes best
Paper Handling			
Paper formats (min/max)	A4/A6	A6/A4	
Paper trays (std/max)	1/2	1/2	★
Paper capacity (std/max)	600/1100	300/820	Fewer stops for replenishment
Paper weight (tray/bypass)	60-163/60-220gsm	60-220/60-220gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 50 sheets	Bypass included in mainframe price
Duplex	Standard	Standard	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	9,600 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL, PS3, PDF-direct, SPL-C	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284, Print from USB.	Gigabit ethernet, USB2.0, WLAN (802.11b/g/n). USB-print	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	256 MB / 512 MB	Process large documents faster ★
Hard drive	Opt 320 GB	N/A	Supports print on demand and lock print
Supplies			
Type	AIO	Toner	Saves money and reduces waste
Toner yield (B&W/col)	7.2k/6.6k	6k/3.5k & 2k/1.5k	High yield cartridges need replacing less often
Options	Paper Feed Unit 500 sheets XPS Direct Print Option Camera Direct Print Card Hard Disk Drive Option 320 GB VM CARD USB Device Server Option IEEE 1284 Interface Board IEEE 802.11 Interface Unit Cabinet	Paper tray 500 sheets IEEE 1284B Parallel Connector RAM 512 MB	Provides an additional 500-sheets. Enables you to print Windows XPS-files without saving the document first Provides the ability to directly print your images from your digital camera to a printer The Hard Disk Drive (HDD) transforms the Printer into an information hub. The VM Card enables the installation of embedded software applications Use your printer in two different networks ★ For environments that require Parallel connectivity. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct Provides added storage for paper and extra supplies and raises the system to an optimal height for floor placement.



Model	Nashuatec SP C342DN	Samsung SL-C2620 DW	Advantages
Market launch	July 2016	August 2014	
Noise level	61dB	54 dB	
Processor	1.46 Ghz.	533 Mhz.	Process large documents extremely faster ★
Print from smart device	AirPrint, Wifi-direct (optional), Nashuatec Mobile Print	NFC, Mopria, Samsung Mobile Print	Wifi-Direct makes mobile printing easy and safe as never before (optional) AirPrint to be able to print from IOS ★
Physical			
Technology	Laser	Laser	
Dimensions (WxDxH)	400 x 480 x 387mm	420 x 452 x 353mm	
Weight	29 kg	20.13kg	
User interface	4.3 inch Touch panel	4.3 inch Touch panel	Easy navigation and common interface as Nashuatec's MFP line-up. Takes full benefit from software applications ★
TEC rating	2.3 kWh	1.72 kWh	
Productivity			
Warm up time	20 seconds	N/A	Warms up faster, saving waiting time at the machine ★
First page out (B&W/col)	13.5 seconds	17 seconds	
Print speed (B&W/col)	25/25 ppm	26/26 ppm	
Duty cycle	75,000 impressions	60,000 impressions	Handles higher peak volumes best ★
Paper Handling			
Paper formats (min/max)	A4/A6	A6/A4	
Paper trays (std/max)	1/2	1/2	
Paper capacity (std/max)	600/1100	300/820	Fewer stops for replenishment
Paper weight (tray/bypass)	60-163/60-220gsm	60-220/60-220gsm	Print onto thick paper and card
Bypass (cap)	Standard, 100 sheets	Standard, 50 sheets	Bypass included in mainframe price
Duplex	Standard	Standard	Automatic duplex, saving paper & costs
Printing			
Resolution	1,200 x 1,200 dpi	9,600 x 600 dpi	Superior 1200x1200dpi print quality ★
Languages (std/opt)	PCL5c/6, PostScript 3 emulation, PDF emulation	PCL, PS3, PDF-direct, SPL-C	PostScript printing included as standard
Interfaces (std/opt)	USB2.0, USB2.0-Host, Ethernet (1000/100BASE-TX/10BASE-T), / IEEE802.11a/g, IEEE1284, Print from USB.	Gigabit ethernet, USB2.0, USB-Host, WLAN(802.11b/g/n), Print from USB	Future proofed high bandwidth interface
Memory (std/max)	2GB/2GB	256 MB / 512 MB	Process large documents faster ★
Hard drive	Opt 320 GB	N/A	Supports print on demand and lock print
Supplies			
Type	AIO	Toner	Saves money and reduces waste
Toner yield (B&W/col)	7.2k/6.6k	6k/3.5k & 2k/1.5k	High yield cartridges need replacing less often
Options	Paper Feed Unit 500 sheets XPS Direct Print Option Camera Direct Print Card Hard Disk Drive Option 320 GB VM CARD USB Device Server Option IEEE 1284 Interface Board IEEE 802.11 Interface Unit Cabinet	Paper tray 500 sheets IEEE 1284B Parallel Connector RAM 512 MB	Provides an additional 500-sheets. Enables you to print Windows XPS-files without saving the document first Provides the ability to directly print your images from your digital camera to a printer The Hard Disk Drive (HDD) transforms the Printer into an information hub. The VM Card enables the installation of embedded software applications Use your printer in two different networks ★ For environments that require Parallel connectivity. This option allows you to connect the device wirelessly to the LAN and Wifi-Direct Provides added storage for paper and extra supplies and raises the system to an optimal height for floor placement.



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