nashuatec

SP 6430DN

Black and White Printer

☑ Printer
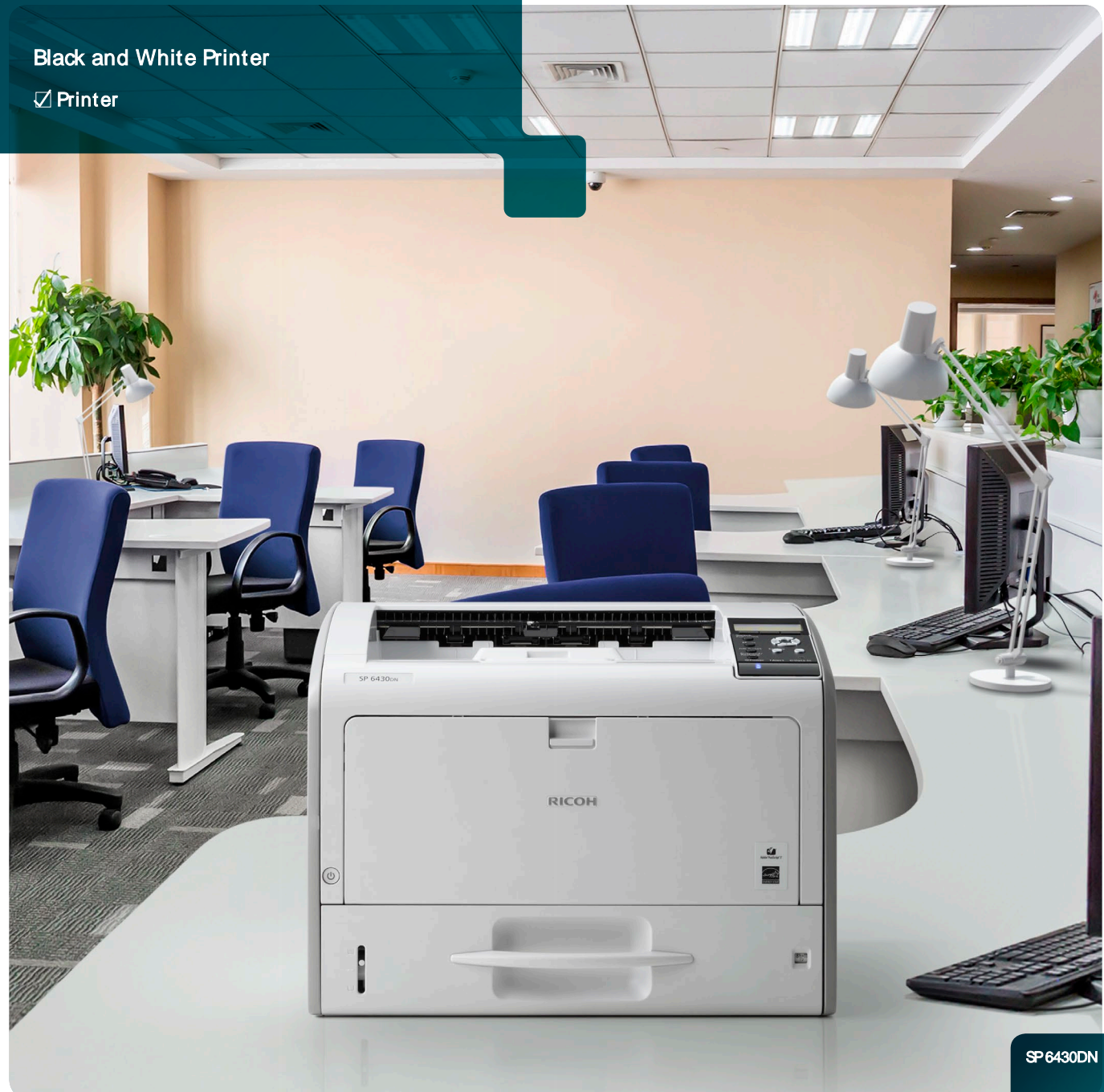
SP 6430DN

38 ppm | B/W

Contents:

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 6430DN is a productive black-and-white printer that will meet workgroup demand for high-quality A3 and A4 output. The network ready printer supports PCL and PostScript printing and, when equipped with Nashuatec's genuine IPDS option, can also be used to print transactional data such as invoices and reports from mainframe systems.

SP 6430DN replaces SP 6330N in Nashuatecs black-and-white printer range. Running at a speed of 38 A4 ppm, SP 6430DN is faster than its predecessor, has an integral duplex, takes up less space and is more energy efficient. SP 6430DN also has a lower price point and lower running costs than SP 6330N, making it ideal for customers looking to reduce the total cost of ownership.

Although capable of producing A3 output, SP 6430DN is remarkably compact. Boasting the smallest footprint of any printer in its class - it is not much bigger than many A4 printers - SP 6430DN will release valuable desk space. Despite its compact design, SP 6430DN is equipped with an automatic duplex, a 100 sheet multi-bypass and 500 sheet front loading paper tray.

SP 6430DN has a duty cycle of 150,000 prints per month, which means it can easily handle peaks in volume. To support the needs of larger workgroups, the standard paper capacity can be expanded to 2,100 sheets with the addition of up to 3 optional paper trays. With auto tray switching enabled, SP 6430DN will print virtually non-stop.

SP 6430DN can handle a wide variety of media, enabling businesses to add impact to their print communication by using specialised media. All paper trays support media weights of 56 to 220 gsm, will hold a full ream (500 sheets) of paper, and can be used to feed plain and recycled paper, thick paper, pre-printed letterheads, labels and envelopes. The bypass will also feed OHPs.

SP 6430DN is ready within 17 seconds powering up and will deliver its first A4 print in less than 6.5 seconds, faster than any other printer in its class. To minimise energy consumption, an ECO Night Sensor puts the printer to sleep when dusk falls. In sleep mode the printer consumes just 1W, contributing to a best-in-class TEC (typical energy consumption) of just 2.3 kWh.

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

2. Sales Highlights

Improve productivity

Ready to use within 17 seconds, SP 6430DN delivers its first A4 print in less than 6.5 seconds. Continuous output is produced at a brisk 38 ppm. With a 2,100 sheet maximum paper capacity and the ability to automatically switch between trays, SP 6430DN will maintain productivity throughout long print runs and, with its 150,000 page duty cycle, can easily handle peaks in volume.

- First print delivered within 6.5 seconds (best in class)
- Productive 38 ppm throughput
- 2,100 sheet maximum paper capacity
- Auto tray switching
- 150,000 page duty cycle

Release space

With a footprint of just 0.18 m², SP 6430DN takes up less space than other A3 printers in its class. Yet despite its compact design, SP 6430DN is equipped with automatic duplex, a 100 sheet multi-bypass and a 500 sheet front loading paper tray. The delivery tray will hold up to 500 prints and the network printer can be shared by workgroup users, reducing the need for personal printers.

- With a footprint of just 0.18 m², SP 6430DN is the most compact A3 printer in its class
- Network printer can be shared by multiple users
- All paper trays hold a full ream of paper (500 sheets)
- The space-saving delivery tray is also capable of holding up to 500 sheets (best-in-class)
- Easy front-facing access to paper and consumables

Reduce cost

SP 6430DN represents excellent value for money. It has a competitive retail price and high value features such as the duplex, network interface, PCL and PS3 print drivers are included as standard. The running costs are affordable too. The PCU and toner can be replenished independently, reducing the page cost and enabling SP 6430DN to be offered as TCO solution.

- Competitive price / high specifications
- A3 duplex printer, 38 ppm, 1,200 x 1,200 dpi
- Network ready, PCL and PS3 drivers
- Affordable page costs
- Separate component drum, toner and maintenance kit

Connect seamlessly

SP 6430DN can be deployed in Windows and Mac print environments. It is equipped with a fast gigabit ethernet interface and supports PCL and PS3 printing. With the addition of the IPDS print option, it can be used to print transactional data such as invoices and statements from mainframe computer systems, alleviating the need for dedicated host print solution.

- Network ready with fast gigabit ethernet interface
- Support for a secondary print network (requires optional USB device driver)
- Point and click PCL and PS3 drivers
- Genuine IPDS print option (please check availability as not launching with mainframe)
- Support for Windows, Mac, Citrix and Novell NetWare

Add value

SP 6430DN supports a wide range of media. Adding impact to print collateral and saving operator time, thick paper, envelopes and labels can be fed from regular trays and, to make them easier to read, reports, drawings and Gant charts can be printed on A3 paper. SP 6430DN produces high quality output with fine lines, clearly defined characters and smooth gradations.

- 1,200 x 1,200 dpi print resolution
- Fine lines, clearly defined characters and smooth gradations
- Feed thick paper, envelopes and labels
- 56 to 220 gsm simplex / 56 to 162 gsm duplex
- Print A6, A5, A4 and A3 paper formats and banners of up to 1,260mm in length

Eco-friendly

SP 6430DN has a low TEC rating (typical energy consumption) of just 2.3 kWh and uses less energy than any other A3 printer in its class. To minimise energy consumption, an ECO Night Sensor puts the printer to sleep when dusk falls. In sleep mode the printer consumes just 1W. The network ready solution can be shared by workgroup users, reducing the need for multiple printers.

- Best-in-class TEC (total energy consumption) of 2.3 Wh
- On/off timer and low energy sleep mode reduces energy consumption
- ECO night sensor puts the printer to sleep when dusk falls
- Integral duplex (standard feature) reduces paper consumption
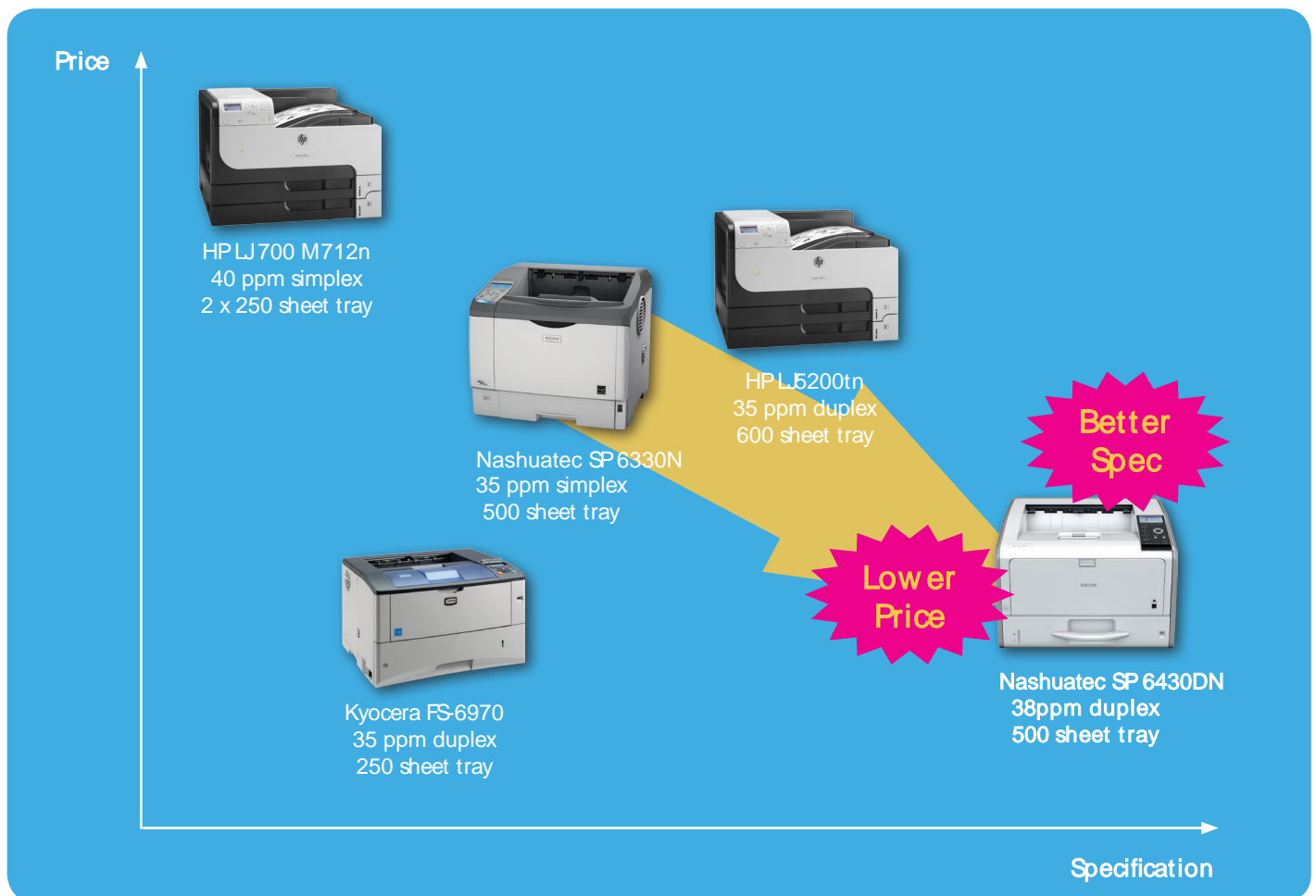- Productive network printer can be shared by multiple users

3. Product Positioning

- Competitively priced A3 black-and-white printer
- Perfect for target multi-machine tenders
- Competitive retail price / excellent specifications
- The use of separate component consumables helps to reduce page costs
- Network ready replacement for personal printers
- Meets workgroup A3 and A4 print requirements

SP 6430DN is workgroup printer. Network ready, it can be deployed in Windows and Mac print environments and will meet the A3 and A4 print needs of busy workgroups. Users will benefit from its compact design, impressive productivity, extensive media support and simple point-and-print PCL / PS3 print drivers. SP 6430DN is positioned as a low cost / high value solution.

Excellent standard specifications such as A3/A4 printing, 1,200 dpi resolution, gigabit ethernet interface, duplex, 500 sheet paper tray and PCL/PS3 drivers add value whilst the competitive retail price enables it to compete favourably with leading competitor models such as HP LJ 5200tn and Kyocera FS-6970.

Price

HP LJ 700 M712n
40 ppm simplex
2 x 250 sheet tray

Nashuatec SP 6330N
35 ppm simplex
500 sheet tray

HP LJ 5200tn
35 ppm duplex
600 sheet tray

Better Spec

Lower Price

Nashuatec SP 6430DN
38ppm duplex
500 sheet tray

Kyocera FS-6970
35 ppm duplex
250 sheet tray

Specification

4. Configuration and Ordering

Hardware Configuration

SP 6430DN is a network ready A3 PCL/PS printer. The standard configuration includes a 500 sheet paper tray, a 100 sheet multi bypass and an integral duplex. 1, 2 or 3 additional 500 sheet paper trays can be attached. SP 6430DN can be mounted on a desk or used as a floor standing system when configured with the optional paper trays.
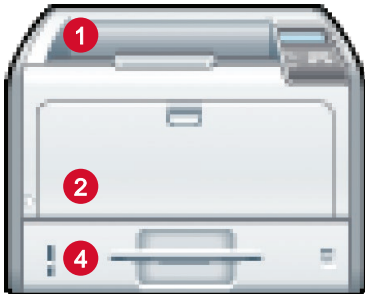
1 = 500 sheet delivery tray
2 = 100 sheet bypass (inside front cover)
3 = Duplex (internal, not shown)
4 = 500 sheet paper tray
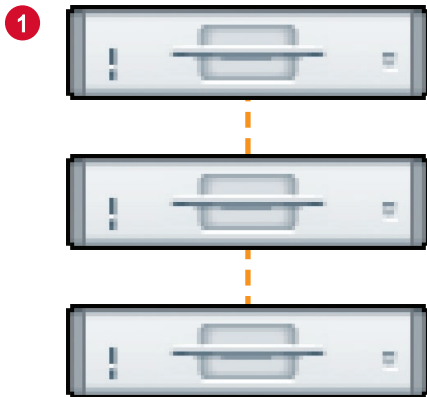
Hardware Options

1 = 1, 2 or 3 x 500 sheet paper trays

Functional Configuration

Functional Configuration - SP 6430DN	
Network interfaces	Gigabit Ethernet (standard)
	Wireless (option)
	Parallel (option)
	Additional network interface (option)
HDD/document server	Option (250GB)
PCL printing	Standard
PostScript printing	Standard
IPDS printing	Option
XPS printing	Option

More peripheral and functional upgrade options are listed on the next page (see EDP Codes and Dependencies)

EDP Codes and Dependencies

EDP Codes and Dependencies - SP 6430DN					
Category	Item	Product Name	EDP Code	Must Install	Cannot Install
Mainframe	Printer	SP 6430DN	407484	-	-
Paper Feed	550 sheets paper tray	Paper Feed Unit TK2010	407489	-	Maximum 3 units
Printing	IPDS printing	IPDS Unit Type P4	407502	-	-
	NetWare printing	SD card for NetWare printing Type P4	407505	-	-
	XPS printing	XPS Direct Print Option Type P4	407506	-	-
Interfaces	Wireless interface	IEEE802.11 Interface Unit Type O	407113	-	-
	Parallel interface	IEEE1284 Interface Board Type A	411699	-	-
	Additional network interface	USB Device Server Option Type M12	417091	-	-
Workflow	VM Card	VM CARD Type W	407219	Hard disk drive and 1 GB memory	-
Memory	250 GB HDD	Hard Disk Drive Option Type P4	407500	-	-
	1 GB memory	Memory Unit Type N 1nGB	407112	Replaces existing 512 MB memory chip	-

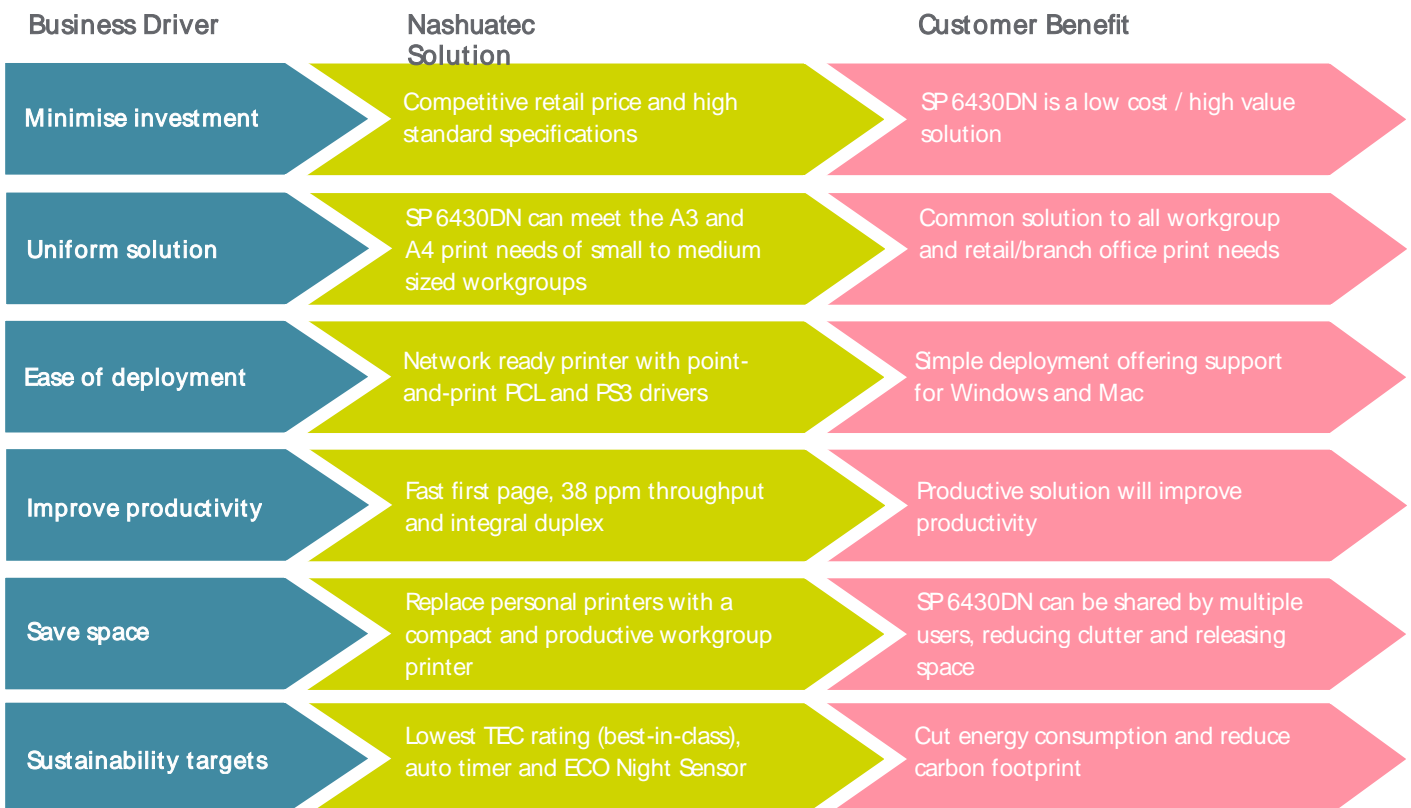| Consumable EDP Codes - SP 6430DN				
Brand	Item	Product Name	EDP Code	Quantity and Yield
Nashuatec	Toner Cartridge Black	Print Cartridge SP 6430E	407510	10,000 prints
	PCDU	Drum Unit SP 6430	407511	25,000 prints
	Maintenance Kit (220V)	Maintenance Kit SP 6430	407513	90,000 prints

5. Target Markets

SP 6430DN is a low cost / high value print solution. With its competitive retail price and excellent specifications which include A3 and A4 printing, 1,200 dpi print resolution, gigabit ethernet interface, integral duplex, 500 sheet paper tray, PCL and PS3 drivers, SP 6430DN will appeal to large customers tendering for multi-machine placements.

Customers will include small to medium sized workgroups in SMBs, larger enterprises and local government; retail/branch offices of banks, insurance companies and travel agencies; and shared use by students in schools, colleges and universities. The advantages of SP 6430DN to these customer groups will include A3 and A4 printing, its compact design (it is little bigger than many A4 printers) and simple deployment in Windows and Mac print environments courtesy of standard PCL and PS3 drivers.

Target Customer Groups - SP 6430DN

SMBs and Large Enterprises

Target: Workgroups in small to medium sized businesses and larger enterprises

Advantages: High specifications / competitive price, A3 and A4 formats, easy deployment with support for PC & Mac

*** Value for Money ***

Retail and Branch Offices

Target: Regional and branch offices of banks, insurance companies and travel agencies

Advantages: Compact and productive, A3 and A4 formats, wide paper latitude (for printing forms), easy to support

*** Print Forms ***

Education

Target: Shared use by students in schools, colleges and universities

Advantages: High specifications / competitive price, A3 and A4 formats, simple print drivers, support for PC & Mac, separate drum and toner

*** Affordable ***

High-level business drivers for cost conscious customers are likely to include:

Business Driver	Nashuatec Solution	Customer Benefit
Minimise investment	Competitive retail price and high standard specifications	SP 6430DN is a low cost / high value solution
Uniform solution	SP 6430DN can meet the A3 and A4 print needs of small to medium sized workgroups	Common solution to all workgroup and retail/branch office print needs
Ease of deployment	Network ready printer with point-and-print PCL and PS3 drivers	Simple deployment offering support for Windows and Mac
Improve productivity	Fast first page, 38 ppm throughput and integral duplex	Productive solution will improve productivity
Save space	Replace personal printers with a compact and productive workgroup printer	SP 6430DN can be shared by multiple users, reducing clutter and releasing space
Sustainability targets	Lowest TEC rating (best-in-class), auto timer and ECO Night Sensor	Cut energy consumption and reduce carbon footprint

6. Key Features

Mainframe		
Feature	**Advantage**	**Benefit**
Compact design ***Best-in-Class*** 	SP 6430DN has a footprint of just 0.180 m², little more than many A4 printers.	Saves valuable office space.
LED technology	A multi-source LED array is used in place of conventional single-source laser writer.	The miniaturised LED components save space and write data more quickly, enabling 1,200 x 1,200 dpi print to be produced at full engine speed.

Productivity		
Feature	**Advantage**	**Benefit**
Quick warm up	SP 6430DN is ready to print within 17 seconds of power up.	Saves time and improves productivity.
High speed engine	Continuous single-sided print output is delivered at 38 A4 ppm.	Multipage documents are produced quickly.
Fast first page *** Best in Class ***	First print delivered in 6.5 seconds	Maintains productivity by producing one-off prints faster.

High speed duplex (standard feature)	Double-sided print output is delivered at 29 A4 ppm	There's very little reduction in productivity when printing two-sided.
Auto tray switching (requires optional 2nd, 3rd or 4th tray)	The printer automatically switches from one tray to the next.	Improve productivity by replenishing paper without interrupting the print process.

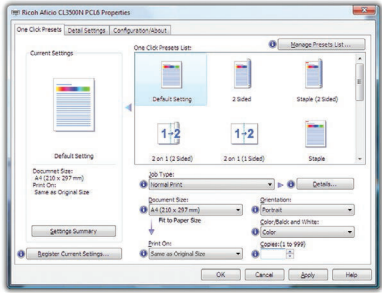| Paper Handling		
Feature	Advantage	Benefit
A3 print engine	SP 6430DN can handle paper formats from A6 to A3.	A single device will meet A3 and A4 print needs.
Large paper capacity	The standard capacity of 600 sheets (500 sheet tray + 100 sheet bypass) can be expanded to 2,100 sheets (maximum) with the addition of 1, 2 or 3 x 500 sheet paper trays.	Hold different paper formats and stock online and reduce downtime related to paper replenishment.
Thick paper support *** Best in Class ***	All paper trays and the bypass support media of 56 to 220 gsm and the duplex supports media of 56 to 162 gsm.	Add impact by printing onto thick paper, letterhead paper and other non-standard media.
Envelope printing	The paper trays and bypass also support envelopes and labels.	Speed mailing process by printing addresses onto envelopes.

Quality		
Feature	Advantage	Benefit
High resolution printing	SP 6430DN supports 300 dpi, 600 dpi and 1,200 dpi print resolutions.	Immaculate print output with fine lines, clearly defined characters and no background spatter.

Connectivity		
Feature	Advantage	Benefit
Network ready	SP 6430DN is equipped with a gigabit ethernet interface and there is wireless interface option.	Workgroup users can share the same device, improving access.
Additional network interface	The optional USB device driver allows SP 6430DN to connect to a second (different) print network.	Improves versatility as one printer can support two print networks.

Printing		
Feature	Advantage	Benefit
PLC and PS3 printing	SP 6430DN supports PCL and PS3 printing.	Files are processed in the printer, speeding the print process and improving accuracy.

Point and print icons	The PCL and PS3 print drivers have graphic icons which allow single click selection of complex settings.	Simplifies the print process, saving time.
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)	SP 6430DN also supports XPS direct print. XPS is an XML based document format similar to PDF which is being promoted by Microsoft.	Compatible with newly emerging print format.
IPDS print (option)	The genuine IPDS option enables fast, error-free bi-directional communication with mainframe (host) computer systems.	Improve ROI by printing transactional data such as invoices and statements.
Mail to Print (requires optional HDD and VM card)	Send an e-mail with attached data directly to the MFP for printing.	Improves access and simplifies print process.

Security		
Feature	Advantage	Benefit
Hard disk drive option	250 GB hard disk drive.	Enables workflow features such as locked print.
DataOverwrite Security (requires optional HDD)	Overwrites temporary data held on the hard drive with random data. 	Protects security by ensuring that temporary data cannot be recovered.
HDD Encryption (requires optional HDD)	Encrypts the address book, authentication information and stored documents.	Protects security by encrypting documents.
Locked print (requires optional HDD)	Confidential print can be password protected and held in the document server until released by the originator.	Protects document confidentiality.
Quota scheduling (requires optional HDD and VM card)	The administrator can limit the output of individual users and user groups by setting page count limits.	Establishes governance over the print environment and reduces print volume.
Banner page print (requires optional HDD and VM card)	A job sheet can be printed before a print job which identifies the originator.	Makes it easier to identify work in a busy environment.
Mandatory security information (requires optional HDD and VM card)	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.

Environment		
Feature	Advantage	Benefit
Power on/off timer	The power on/off timer switches the machine on and off at specified times.	Ensures the machine is ready for use and saves energy by switching the machine off when it is not required.
ECO Night Sensor	The ECO Night Sensor will switch the printer to energy saving sleep mode when dusk falls.	Minimises energy consumption.
Low TEC (typical energy consumption) *** Best in Class ***	In sleep mode SP 6430DN consumes just 1 W energy, contributing to a low best-in-class TEC rating of just 2.3 kWh.	Save energy and reduce carbon emissions by using energy efficient technology.

7. Specifications

Mainframe Specifications - SP 6430DN			
Warm-up time	16.6 seconds		
First output speed	B/W	6.5 seconds	
Print speed	B/W	A4	38 pages per minute
	B/W	A4 duplex	29 pages per minute
Memory	Standard	512 MB	
	Maximum	1 GB	
HDD	250 GB (Option)		
Duty cycle	150,000 prints per month		
Life	5 years or 1,200,000 output		
Duplex	Standard		
Dimensions (W x D x H)	459 x 392 x 347.5 mm		
Weight	22.5 kg		

Printer Specifications - SP 6430DN		
RAM	Standard	512 MB
	Maximum	1 GB
HDD	250 GB (Option)	
Printer language	Standard	PCL5e
	Standard	PCL6
	Standard	Adobe® PostScript® 3™
	Standard	PDF
	Option	XPS
	Option	PDF
Print resolution	300 dpi	
	600 dpi	
	1,200 dpi	
Interface	Standard	Gigabit Ethernet (1000/100/10BASE-T)
	Standard	USB 2.0
	Standard	USB Host I/F
	Option	Bi-directional IEEE 1284
	Option	Wireless LAN (IEEE 802.11a/b/g/n)
	Option	USB Device Server
Network protocol	TCP/IP	
	IPX/SPX	
Windows® environments	Windows® XP	
	Windows® Vista	
	Windows® 7	
	Windows® 8.1	
	Windows® Server 2003	
	Windows® Server 2008	
	Windows® Server 2008R2	
	Windows® Server 2012	
	Windows® Server 2012R2	
Mac OS environments	Macintosh OS X Native v10.6 or later	

Novell® Netware® environments	v6.5 or later
Printer driver features	Sample print
	Locked print
	Hold print
	Stored print
	Store and print
	Reduce/enlarge(zoom/scaling)
	Layout (N-up, page per sheet)
	Duplex
	Collate
	Rotate by 180 degrees
	User ID
	User code

Paper Specifications - SP 6430DN		
Recommended paper size	A3	
	A4	
	A5	
	A6	
	B4	
	B5	
	B6	
Paper input capacity	Standard	500 sheets
	Maximum	2,100 sheets
Paper output capacity	Maximum	500 sheets
Paper weight	Standard paper tray(s)	56 - 220 g/m²
	Optional paper tray(s)	56 - 220 g/m²
	Bypass tray	56 - 220 g/m²
	Duplex	56 - 162 g/m²
Media capability	Plain paper	
	Thick paper	
	Recycled paper	
	Colour paper	
	Letterhead	
	Pre-printed paper	
	Thin paper	
	Special paper	
	Label paper	
	Envelopes	
	Bond	

Security Specifications - SP 6430DN
Windows® authentication
LDAP authentication
Basic authentication
User code authentication
802.1.x wired authentication

Environmental Specifications - SP 6430DN			
Sound power level (mainframe)	Stand-by	Less than 27.1 dB	
	Sleep mode	Less than 27.1 dB	
	Printing	Less than 63.7 dB	
Sound power level (full system)	Stand-by	Less than 27.1 dB	
	Printing	Less than 64.5 dB	
Sound pressure level (mainframe)	Stand-by	Less than 16.5 dB	
	Printing	Less than 52.6 dB	
Sound pressure level (full system)	Stand-by	Less than 16.5 dB	
	Printing	Less than 51.5 dB	
Power consumption	Maximum	1,073 W	
	Operating power	1,073 W	
	Sleep mode	0.57 W	
	TEC (Typical Electricity Consumption)	2.31 kWh	
	Energy Saver mode	0.57 W	
Material emission level (emission rate)	Ozone (Print)	BW	Operation: 1.5 mg/h
	Dust (Print)	BW	Operation: 4 mg/h
	Styrene (Print)	BW	Operation: 1 mg/h
	Benzene (Print)	BW	Operation: 0.05 mg/h
Environmental labels/ ENERGY STAR certification	BAM ENERGY STAR version 2.0		

Option Specifications - SP 6430DN		
1 x 500-sheet paper tray	Paper size	A3
		A4
		A5
		A6
		B4
		B5
		B6
	Paper weight	52 - 220 g/m²
	Paper output capacity	500 sheets
	Dimensions (W x D x H)	459 x 392 x 124 mm
	Weight	6 kg

2 x 500-sheet paper tray	Paper size	A3
		A4
		A5
		A6
		B4
		B5
		B6
	Paper weight	52 - 220 g/m²
	Paper output capacity	1,000 sheets
	Dimensions (W x D x H)	459 x 392 x 248 mm
	Weight	12 kg
3 x 500-sheet paper tray	Paper size	A3
		A4
		A5
		A6
		B4
		B5
		B6
	Paper weight	52 - 220 g/m²
	Paper output capacity	1,500 sheets
	Dimensions (W x D x H)	459 x 392 x 372 mm
	Weight	18 kg
Hard Disk Drive	250 GB	
RAM	1 GB	
Bi-directional IEEE 1284		
Wireless LAN (IEEE 802.11a/b/g/n)		
USB Device Server		
VM Card		
Netware		
IPDS unit		
XPS direct print		

8. Service and Supplies

- One year return-to-base warranty

- Extended warranty option includes on-site repair / exchange

- 20,000 page maximum recommended volume

- 150,000 page duty cycle (peak volume loading)

- High yield toner (10,000 pages)

- PCU, toner and maintenance kit can be replenished independently

SP 6430DN should be maintained by a trained service engineer. Like other Nashuatec printers and MFPs, service is likely to be offered on a toner inclusive Pay per Page (PpP) basis.

PpP servicing offers the following customer advantages:

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

The average monthly print volume of devices in this class is 3,000 pages. With a maximum monthly recommended volumes of 20,000 pages, SP 6430DN will easily meet typical demand and, with a duty cycle of 150,000 pages, can also handle occasional peaks in print volume.

Rather than an all-in-one cartridge, SP 6430DN uses separate component consumables. The OPC drum, toner cartridge and maintenance kit can be replaced independently of each other, increasing yield and reducing costs. The toner cartridge is a high yield cartridge capable of producing approximately 10,000 prints.

Consumable data is provided below:

Service and Supply Specifications - SP 6430DN		
Toner [1]		10,000 prints
Photoconductor		25,000 prints
Maintenance Kit		90,000 prints
Print Volume	Average Monthly Print Volume	3,000 prints
	Maximum Monthly Print Volume	20,000 prints
	Duty Cycle	150,000 prints
Machine life		5 years or 1,200K prints

[1] A4 paper, 5% toner coverage

9. Competition

- 38ppm throughput improves productivity
- Fast first page saves time & reduces print bottlenecks
- Main tray holds a full ream of paper and capacity can be expanded to 2,100 sheets
- Add value by printing onto heavy weight media
- Compact design saves valuable desk space
- Eco Night Sensor automatically turns the printer off, saving electricity

Five Star Advantages

We have compared the specifications of the new printer against the specifications of its closest competitors, identifying five star 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.

SP 6430DN

★★★★★

versus

Kyocera FS-6970DN
HP LaserJet Enterprise 700 M712n/M712dn
Epson AcuLaser M7000N
Xerox Phaser 5335

	Nashuatec SP 6430DN	Kyocera FS-6970DN	Advantages / Benefits
GENERAL SPECIFICATIONS			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	38 ppm	35 ppm	More productive / saving time
Unenhanced Resolution (HxV)	1,200 x 1,200 dpi	1,200 x 1,200 dpi	
Technology	LED	Laser	LED means 1200 x 1200 dpi printing at full engine speed / Smaller components save space and reduce energy consumption
Processor/Bits/MHz	533 Mhz	PowerPC/INA/400 & 600	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	512 MB/1 GB	128 MB/1,152 MB	More standard RAM for faster processing of print jobs saving time
Hard-Disk Drive	Optional 250GB	Optional 40-GB	Optional hard drive capable of storing more information and with extra security options
PDLs/Emulations	PCL6/5e, Adobe PostScript3, PDF	PCL 5e/6, PostScript 3	
First-Page-Out Time	6.5 sec	9 sec	Fast first page saves time & reduces print bottlenecks ⭐
Warm up time	16.6 sec	16 sec (from Power save)	
INTERFACE/CONNECTIVITY			
Std Interface	Gigabit Ethernet (1000/100/10BASE-T), USB2.0, USB2.0-Host	10/100BaseTX, USB 2.0, Parallel, USB (host)	Standard Gigabit (often option). High bandwidth interface compatible with latest standards
Opt Interface	IEEE1284/ECP, IEEE802.11a/b/g/n, USB Device Server	802.11b/g, Gigabit Ethernet, Fibre Optic, Gigabit Fibre Optic	
Network Support	Windows, Mac, Citrix, NetWare, SAP R/3, UNIX	Windows, Mac, Linux, UNIX	Support for thin client printing (Citrix and NetWare)
Embedded Software Platform	Yes	Not applicable	Allows running customer specific applications
PAPER IN & OUTPUT			
Std Paper Source(s)	2 (1 * 500 + 100 Sheet Bypass)	2 (1 * 250 + 100 Sheet Bypass)	Simplifies storage as main tray holds a full ream of paper. Higher capacity allows longer print runs ⭐
Std/Max Paper Capacity	600 sheets/2,100 sheets	350 sheets/1,350 sheets	Higher capacity allows longer print runs ⭐
Max Paper Size (WxL)	297 mm x 420 mm	297 mm x 420 mm	
Paper Weights	56 to 220 gsm	60 to 120 gsm	Add value by printing onto heavyweight media ⭐
Std Output Tray Capacity	500 sheets	250 (STD) 500 (Opt) sheets	Higher capacity means longer uninterrupted print jobs saving time and money
Bypass Capacity/Weights	100 sheets / 56 to 220 gsm	100 sheets/60 to 220 gsm	
Max Paper Source(s)	5	5	
Automatic Duplexing	Standard	Standard	
Duplex Paper Weight	52 - 163	60 - 120	Capable of printing double-sided onto heavyweight media
Duplex speed	29	No info	Higher duplex speed means saving time and money
SECURITY SPECS			
HDD Overwrite	Option (Incl in HDD option)	INA	Suitable for use in secure environments
HDD Encryption	Option (Incl in HDD option)	INA	Suitable for use in secure environments
Secure Print	Standard	Standard	
Print from USB / SD card	NA	Standard	
ADDITIONAL INFORMATION			
Monthly Duty Cycle	150,000 impressions	150,000 impressions	
Display/Characters	LCD/4 lines	INA	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.57W	INA	Power save mode reduces energy consumption
Max Power Consumption	1073 W	976W	
TEC Value	2.3 Kwh	INA	Low overall energy consumption minimises carbon footprint
Weight (Base Unit)	22.5 kg	19.5 kg	
Dimensions (HxWxD)	459 x 392 x 347.5 mm	285 mm x 469 mm x 395 mm	Smaller footprint so takes up less space ⭐
TONER			
Coverage: ISO/IEC 19752	Black starter cartridge; Yield: 6,000	Black Starter cartridge; Yield: 7,500;	
Coverage: ISO/IEC 19752	Black print cartridge Yield: 10,000;	Black toner cartridge Yield: 15,000;	
OPTION INFORMATION	Paper drawer 500 sheets (max 3)	Optional Paper drawer 250 sheets (max	Smaller extra paper trays (only 250 sheets) so only half ream of paper
	XPS Direct Printing	PF-430 Output tray (from 250 - 500 sheets) extra Paper tray required	
	Netware Option	PS-1109 Interface 10/100/1000BaseTX Gigabit Ethernet	
	IPDS Option	PS-1129 Interface 1000BaseSX (SC) Gigabit fiber optic (870LN00068): £599	Save money by using same device for mainframe reports
		HD-5A 40-GB HDD	
		PS-159 Interface 802.11b/g	
COMMENTS	Eco Night sensor for auto Switch off and electricity saving		
	297 x 1260 mm poster printing		

	Nashuatec SP 6430DN	HP LaserJet Enterprise 700 M712n / M712dn	Advantages / Benefits
GENERAL SPECIFICATIONS			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	38 ppm	41 ppm	More productive / saving time
Unenhanced Resolution (HxV)	1,200 x 1,200 dpi	1200 x 1200 dpi	
Technology	LED	Laser	LED means 1200 * 1200 dpi printing at full engine speed / Smaller components save space and reduce energy consumption
Processor/Bits/MHz	533 Mhz	INA/INA/800	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	512 MB/1 GB	512 MB/1 GB	
Hard-Disk Drive	Optional 250GB	NA	Optional hard drive capable of storing more information and with extra security options
PDLs/Emulations	PCL6/5e, Adobe PostScript3, PDF	PCL 5e/6, PostScript 3	
First-Page-Out Time	6.5 sec	10.5 sec	Fast first page saves time & reduces print bottlenecks ⭐
Warm up time	16.6 sec	13 sec (from sleep)	Faster ready from sleep
INTERFACE/CONNECTIVITY			
Std Interface	Gigabit Ethernet (1000/100/10BASE-T), USB2.0, USB2.0-Host	10/100/1000BaseTX Ethernet, USB 2.0 (host), USB 2.0	
Opt Interface	IEEE1284/ECP, IEEE802.11a/b/g/n, USB Device Server	802.11b/g/n	
Network Support	Windows, Mac, Citrix, NetWare, SAP R/3, UNIX	Windows, Mac, Linux, UNIX	Support for thin client printing (Citrix and NetWare)
Embedded Software Platform	Yes	Not applicable	Allows running customer specific applications
PAPER IN & OUTPUT			
Std Paper Source(s)	2 (1 * 500 + 100 Sheet Bypass)	3 (2 * 250 + 100 Sheet Bypass)	Simplifies storage as main tray holds a full ream of paper. Higher capacity allows longer print runs
Std/Max Paper Capacity	600 sheets/2,100 sheets	600 sheets/4,600 sheets	Higher capacity allows longer print runs
Max Paper Size (WxL)	297 mm x 420 mm	A3	
Paper Weights	56 to 220 gsm	60 to 120 gsm	Add value by printing onto heavyweight media ⭐
Std Output Tray Capacity	500 sheets	250 sheets	Higher capacity means longer uninterrupted print jobs saving time and money
Bypass Capacity/Weights	100 sheets / 56 to 220 gsm	100 sheets/60 to 199 gsm	Capable of printing onto heavyweight media
Max Paper Source(s)	5	5	
Automatic Duplexing	Standard	Optional (M712dn standard)	Duplex as standard ⭐
Duplex Paper Weight	52 - 163	60 - 120	Capable of printing double-sided onto heavyweight media
Duplex speed	29	26	Higher duplex speed means saving time and money
SECURITY SPECS			
HDD Overwrite	Option (Incl in HDD option)	Not applicable	Suitable for use in secure environments
HDD Encryption	Option (Incl in HDD option)	Not applicable	Suitable for use in secure environments
Secure Print	Standard	INA	
Print from USB / SD card	NA	Standard	
ADDITIONAL INFORMATION			
Monthly Duty Cycle	150,000 impressions	100,000 impressions	Higher peak printing capacity ⭐
Display/Characters	LCD/4 lines	LCD/4 lines	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.57W	6.1W	Power save mode reduces energy consumption
Max Power Consumption	1073 W	INAW	
TEC Value	2.3 Kwh	3.289KWh	Low overall energy consumption minimises carbon footprint
Weight (Base Unit)	22.5 kg	38.5 kg	
Dimensions (HxWxD)	459 x 392 x 347.5 mm	392 mm x 568 mm x 596 mm	Smaller footprint so takes up less space ⭐
TONER			
Coverage: ISO/IEC 19752	Black all-in-one starter cartridge; Yield: 6,000	Black all-in-one starter print cartridge; Yield: 10,000	
Coverage: ISO/IEC 19752	Black all-in-one print cartridge Yield: 10,000;	Print cartridge Yield: 10,000; Print cartridge Yield (HY): 17,500;	
OPTION INFORMATION	Paper drawer 500 sheets (max 3)	Paper drawer 500 sheets	
	XPS Direct Printing	Paper-feed unit 1 x 3,500 sheets with stand	
	Netware Option	Paper-feed unit 1 x 500 sheets with cabinet and stand	
	IPDS Option	Paper-feed unit 3 x 500 sheets with stand	
		Print server wireless USB Jetdirect	
		512-MB memory	
COMMENTS	Eco Night sensor for auto Switch off		
	Smallest Footprint		
	297 x 1260 mm poster printing		

	Nashuatec SP 6430DN	Epson AcuLaser M7000N	Advantages / Benefits
GENERAL SPECIFICATIONS			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	38 ppm	32 ppm	More productive / saving time ⭐
Unenhanced Resolution (HxV)	1,200 x 1,200 dpi	1200 x 1200 dpi	
Technology	LED	Laser	LED means 1200 x 1200 dpi printing at full engine speed / Smaller components save space and reduce energy consumption
Processor/Bits/MHz	533 Mhz	288 Mhz	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	512 MB/1 GB	64 MB/320 MB	More standard RAM for faster processing of print jobs saving time
Hard-Disk Drive	Optional 250GB	None	Optional hard drive capable of storing more information and with extra security options
PDLs/Emulations	PCL6/5e, Adobe PostScript3, PDF	PCL 5e/6, Adobe PostScript 3, host-based	
First-Page-Out Time	6.5 sec	8.5 sec	Fast first page save time & reduces print bottlenecks ⭐
Warm up time	16.6 sec	16 sec (from sleep)	
INTERFACE/CONNECTIVITY			
Std Interface	Gigabit Ethernet (1000/100/10BASE-T), USB2.0, USB2.0-Host	10/100BaseTX Ethernet, USB 2.0	Standard Gigabit (often option) High bandwidth interface compatible with latest standards
Opt Interface	IEEE1284/ECP, IEEE802.11a/b/g/n, USB Device Server	Parallel, Gigabit	
Network Support	Windows, Mac, Citrix, NetWare, SAP R/3, UNIX	Windows, Mac, Citrix, Linux	Support for thin client printing (Citrix and NetWare)
Embedded Software Platform	Yes	Not applicable	Allows running customer specific applications
PAPER IN & OUTPUT			
Std Paper Source(s)	2 (1 * 500 + 100 Sheet Bypass)	2 (1 * 250 + 100 Sheet Bypass)	Simplifies storage as main tray holds a full ream of paper. Higher capacity allows longer print runs ⭐
Std/Max Paper Capacity	600 sheets/2,100 sheets	380 sheets/1380 sheets	Higher capacity allows longer print runs
Max Paper Size (WxL)	297 mm x 420 mm	A3	
Paper Weights	56 to 220 gsm	64 to 216 gsm	Add value by printing onto heavyweight media ⭐
Std Output Tray Capacity	500 sheets	230 sheets	Higher capacity means longer uninterrupted print jobs saving time and money
Bypass Capacity/Weights	100 sheets / 56 to 220 gsm	150 sheets/60 to 216 gsm	
Max Paper Source(s)	5	4	
Automatic Duplexing	Standard	Optional	
Duplex Paper Weight	52 - 163	No info	Capable of printing double-sided onto heavyweight media
Duplex speed	29	21	Higher duplex speed means saving time and money
SECURITY SPECS			
HDD Overwrite	Option (Incl in HDD option)	Not applicable	Suitable for use in secure environments
HDD Encryption	Option (Incl in HDD option)	Not applicable	Suitable for use in secure environments
Secure Print	Standard	Standard	
Print from USB / SD card	NA	NA	
ADDITIONAL INFORMATION			
Monthly Duty Cycle	150,000 impressions	100,000 impressions	Higher peak printing capacity ⭐
Display/Characters	LCD/4 lines	LCD 5 lines /22 char per line	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.57W	4.7W	Power save mode reduces energy consumption
Max Power Consumption	1073 W	970W	
TEC Value	2.3 Kwh	INA	Low overall energy consumption minimises carbon footprint
Weight (Base Unit)	22.5 kg	22.8 kg	
Dimensions (HxWxD)	459 x 392 x 347.5 mm	333 mm x 518 mm x 463.5 mm	Smaller footprint so takes up less space
TONER			
Coverage: ISO/IEC 19752	Black all-in-one starter cartridge; Yield: 6,000	Black all-in-one print cartridge Yield: 15,000	
Coverage: ISO/IEC 19752	Black all-in-one print cartridge Yield: 10,000;	Black return all-in-one print cartridge; Yield: 15,000	
OPTION INFORMATION	Paper drawer 500 sheets (max 3)	Paper drawer 500 sheets (max 2)	
	XPS Direct Printing	Interface Parallel	
	Netware Option	128-MB memory	
	IPDS Option	256-MB memory	Save money by using same device for mainframe reports
		32-MB memory	
		64-MB memory	
COMMENTS	Eco Night sensor for auto Switch off		
	Smallest Footprint		
	297 x 1260 mm poster printing		

	Nashuatec SP 6430DN	Xerox Phaser 5335*	Advantages / Benefits
GENERAL SPECIFICATIONS			
Configuration	Desktop	Desktop	
Speed (Mono/Color)	38 ppm	35 ppm	More productive / saving time ⭐
Unenhanced Resolution (HxV)	1,200 x 1,200 dpi	1200 x 1200 dpi	
Technology	LED	Laser	LED means 1200 x 1200 dpi printing at full engine speed / Smaller components save space and reduce energy consumption
Processor/Bits/MHz	533 Mhz	400Hz	Faster processor will allow to process print jobs faster saving time (and money)
Memory Capacity (Std/Max)	512 MB/1 GB	64 MB/576 MB	More standard RAM for faster processing of print jobs saving time
Hard-Disk Drive	Optional 250GB	Optional 40 GB	Optional hard drive capable of storing more information and with extra security options
PDLs/Emulations	PCL6/5e, Adobe PostScript3, PDF	PCL 5e/6, Adobe PostScript 3,	
First-Page-Out Time	6.5 sec	9.5 sec	Fast first page save time & reduces print bottlenecks ⭐
Warm up time	16.6 sec	16.0 sec	
INTERFACE/CONNECTIVITY			
Std Interface	Gigabit Ethernet (1000/100/10BASE-T), USB2.0, USB2.0-Host	10/100BaseTX Ethernet, USB 2.0	Standard Gigabit (often option) High bandwidth interface compatible with latest standards
Opt Interface	IEEE1284/ECP, IEEE802.11a/b/g/n, USB Device Server	Parallel / Wireless	
Network Support	Windows, Mac, Citrix, NetWare, SAP R/3, UNIX	Windows, Mac, Citrix, Linux	Support for thin client printing (Citrix and NetWare)
Embedded Software Platform	Yes	Not applicable	Allows running customer specific applications
PAPER IN & OUTPUT			
Std Paper Source(s)	2 (1 * 500 + 100 Sheet Bypass)	2 (1 * 500 + 100 Sheet Bypass)	
Std/Max Paper Capacity	600 sheets/2,100 sheets	600 sheets/2100 sheets	
Max Paper Size (WxL)	297 mm x 420 mm	A3	
Paper Weights	56 to 220 gsm	64 to 216 gsm	Add value by printing onto heavyweight media
Std Output Tray Capacity	500 sheets	250 sheets	Higher capacity means longer uninterrupted print jobs saving time and money ⭐
Bypass Capacity/Weights	100 sheets / 56 to 220 gsm	150 sheets/60 to 216 gsm	
Max Paper Source(s)	5	5	
Automatic Duplexing	Standard	Optional	Standard duplex unit for saving on paper and postage costs ⭐
Duplex Paper Weight	52 - 163	60 - 190	Capable of printing double-sided onto heavyweight media
Duplex speed	29	21	Higher duplex speed means saving time and money
SECURITY SPECS			
HDD Overwrite	Option (Incl in HDD option)	Not applicable	Suitable for use in secure environments
HDD Encryption	Option (Incl in HDD option)	Not applicable	Suitable for use in secure environments
Secure Print	Standard	Standard	
Print from USB / SD card	NA	NA	
ADDITIONAL INFORMATION			
Monthly Duty Cycle	150,000 impressions	100,000 impressions	Higher peak printing capacity ⭐
Display/Characters	LCD/4 lines	LCD/2 lines	
Energy Star Compliance	Yes	Yes	
Energy Used in Power Save Mode	0.57W	4.7W	Power save mode reduces energy consumption
Max Power Consumption	1073 W	NA	
TEC Value	2.3 Kwh	INA	Low overall energy consumption minimises carbon footprint
Weight (Base Unit)	22.5 kg	22.8 kg	
Dimensions (HxWxD)	459 x 392 x 347.5 mm	459 x 506 x 375.3 mm	Smaller footprint so takes up less space
TONER			
Coverage: ISO/IEC 19752	Black all-in-one starter cartridge; Yield: 6,000	Black all-in-one print cartridge Yield: 10,000	
Coverage: ISO/IEC 19752	Black all-in-one print cartridge Yield: 10,000;	Starter cartridge ?? Not clear if available	
OPTION INFORMATION	Paper drawer 500 sheets (max 3)	Paper drawer 500 sheets	
	XPS Direct Printing	Paper cabinet 3 * 500 sheets	
	Netware Option	Interface Parallel	
	IPDS Option	256-MB memory	
		512-MB memory	
COMMENTS	Eco Night sensor for auto Switch off		
	Smallest Footprint		
	297 x 1260 mm poster printing		

* Xerox Phaser 5335 currently marketed in Eastern Europe, the Middle East and Africa but not Western Europe.