

# Ricoh Aficio SP 8300DN

**B/W Laser Printer**

Copier    Printer    Facsimile    Scanner



SP 8300DN

50 ppm monochrome

## Versatile print performance for fast-paced workgroups

The innovative RICOH® Aficio® SP 8300DN grabs more than attention — it secures greater productivity, too. This versatile, network-ready laser printer combines speed and high quality black-and-white output with a host of advanced capabilities like built-in data encryption and authentication features with the optional hard disk drive to manage today's demanding workloads with ease. Ideal for cost-conscious users in mid-volume printing environments, the Ricoh Aficio SP 8300DN offers standard duplexing, an expandable paper capacity and a choice of professional finishing options.

### Meet every need, everywhere

Choose the Ricoh Aficio SP 8300DN for cost-effective black-and-white output that complements an integrated Managed Document Services strategy and helps improve document workflow throughout your organization. This versatile printer can handle large volumes of general office documents or serve as a reliable output device for host print data center applications. With optional IPDS, users can print directly from databases without a print server or expensive hardware. Support for UNIX environments enables users to have individual control over each print job, including duplexing and hole punching.



### Produce more, quickly

Print up to 50 pages per minute at 600 x 600 dpi for fast, impressive results without compromising efficiency or your budget. The Ricoh Aficio SP 8300DN is equipped with 512 MB RAM memory or an optional 1 GB of memory to handle heavy workloads generated by multiple users in larger workgroups. It offers standard duplexing up to 11" x 17" to accommodate a wider range of print applications, including spreadsheets and other oversized business documents.



### Expand capacity, from start to finish

The Ricoh Aficio SP 8300DN offers a standard paper capacity of 1,200 sheets to handle multiple print jobs without interruption. If workflows require a higher paper capacity, several optional trays can be added to increase capacity to a maximum of 4,400 sheets. Cost-effective finishing options are available for sorting, stapling and hole punching so users can produce professional-looking monochrome documents in-house.



# Discover the true value of fast, efficient workflow

## Customized control within reach

Access key printer functions and settings with the 4.3" customizable touch screen LCD control panel. View system status, current job status and job history with one touch using the animated guidance screens. Customize the home screen with shortcut icons to view saved job lists for optimum productivity. Use the Print Preview function to view a thumbnail image to visually verify the selected file before printing. Plus, the control panel is equipped with an Eco Night Sensor to save energy by automatically turning the printer off or placing it into Sleep mode after the room goes dark.



## Network compatibility you can trust

Take advantage of out-of-the-box network connectivity and share versatile print performance with other authorized users on the network. A standard USB 2.0 high-speed interface can connect to a single PC in environments where tighter control over device access and printing is necessary, including sensitive customer accounts, invoice printing and host-based reports. In addition, an integrated USB Host Port and SD Card Slot are located on the side of the control panel to provide easy access for printing from portable media.



## Ensure document integrity

With a wide range of authentication controls, the Ricoh Aficio SP 8300DN is designed to safeguard vulnerable information and documents. Authentication requires users to enter a login or password at the printer's touch screen control panel. The optional 120 GB hard disk drive enables features like locked print, hold print, store print, unauthorized copy control and other related security features to maintain confidentiality. With the optional hard disk drive, built-in encryption guards against unauthorized access of stored data by unauthorized users. In addition, the SP 8300DN offers other standard and optional administrative features, including @Remote for automated meter readings, fleet reporting and proactive support to help reduce operating costs.





# Ricoh Aficio SP 8300DN

## SYSTEM SPECIFICATIONS



### Specifications

<b>Ricoh Aficio SP 8300DN Configuration Technology</b>	Part # 407285 Desktop Laser beam scanning and electro-photographic printing with dual component toner development
<b>Operation Panel</b>	4.3" color touch screen display with integrated USB 2.0 Type A host port and SD Card slot
<b>Resolution</b>	300 x 300, 600 x 600 dpi
<b>Printing Speed</b>	50 pages-per-minute
<b>First Print Speed</b>	3.5 seconds or less
<b>Dimensions (WxDxH)</b>	26.3" x 26.9" x 25.2" (670 x 684 x 641 mm) (Main Unit only)
<b>Weight</b>	Less than 160.9 lb. (73 kg) (Main Unit only)
<b>Warm-Up Time</b>	25 seconds or less (from Main Switch On)
<b>Power Requirements</b>	120 - 127V, 60Hz, 15A
<b>Power Consumption</b>	Operating: 1550 W or less Energy Saver: 3.5 W or less Energy Star compliant 3.288 kWh
<b>Typical Energy Consumption</b>	
<b>Standard Paper Capacity</b>	550-Sheet Paper Tray 1 550-Sheet Paper Tray 2 100-Sheet Bypass Tray (1,200 sheets standard capacity)
<b>Optional Paper Capacity</b>	550-Sheet x 2 Paper Feed Unit or 2,000-Sheet Large Capacity Tray (LCT); 1,200-Sheet Large Capacity Tray (LCT)
<b>Maximum Paper Capacity</b>	4,400 sheets
<b>Automatic Duplexing</b>	Standard
<b>Paper Sizes</b>	Standard Trays 1 & 2: Auto Detect: 7.25" x 10.5" to 11" x 17" Custom: 7.17" x 5.83" to 11.69" x 17" Bypass Tray: Auto Detect: 5.5" x 8.5" to 11" x 17" Custom: 3.55" x 5.83" to 12" x 23.6" 550 x 2 Paper Feed Unit: Auto Detect: 7.25" x 10.5" to 11" x 17" Custom: 7.17" x 5.83" to 11.69" x 17" 2,000-sheet LCT: Fixed for 8.5" x 11" 1,200-sheet Side LCT: Fixed for 8.5" x 11" When Duplexing: Auto Detect: 5.5" x 8.5" to 11" x 17" Custom: 3.55" x 5.83" to 11.69" x 17"
<b>Paper Weight</b>	Std./Opt. Trays 1 - 4: 16 - 57 lb. Bond/ 120 lb. Index (60 - 216 g/m) Bypass Tray: 14 - 57 lb. Bond/ 120 lb. Index (52 - 216 g/m) When Duplexing: 16 - 45 lb. Bond/ 90 lb. Index (60 - 169 g/m)
<b>Paper Types</b>	Std./Opt. Trays 1 - 4: Plain Paper, Recycled Paper, Color Paper, Letterhead, Bond Paper, Special Paper 1-3, Preprinted Paper, Prepunched Paper Envelopes: Com 10, C5 & DL Bypass Tray: Plain Paper, Recycled Paper, Color Paper, Letterhead, Bond Paper, Special Paper 1-3, Preprinted Paper, Prepunched Paper, Cardstock, OHP Transparency, Labels Envelopes: Com 10, Monarch, C5, C6 & DL LCT/Side LCT: Plain Paper, Recycled Paper, Color Paper, Letterhead, Bond Paper, Special Paper 1-3, Preprinted Paper, Prepunched Paper
<b>Standard Output Capacity</b>	500 sheets (Face down)
<b>Controller Specifications</b>	
<b>CPU</b>	RM7035C @ 533 MHz
<b>Printer Languages</b>	Standard: PCL 5e, PCL 6, Genuine Adobe® PostScript® 3™, PDF Direct Print, Direct Media Print (JPEG/TIFF) Optional: Genuine Intelligent Printer Data Stream (IPDS), XPS (via download), Universal Driver (via download)
<b>Fonts</b>	Standard: PCL: 45 fonts + 13 International fonts PostScript3/PDF: 136 fonts Optional: IPDS: 108 fonts Standard: 512 MB RAM Maximum: 1 GB RAM
<b>Memory</b>	120 GB (optional)
<b>HDD</b>	100/100Base-TX Ethernet
<b>Standard Interfaces</b>	USB 2.0 Hi Speed Type B (for direct computer connection) Dual USB 2.0 Host Type A (for external device connection) USB 2.0 Type A/SD Card Slot integrated into Control Panel (for Print From Portable Media) Dual rear VM card slots (for expanded functions)

<b>Optional Interfaces</b>	Gigabit Ethernet (1000Base-T) Type C IEEE 802.11a/g Wireless LAN Type L IEEE 1284/ECP Parallel Interface Type A
<b>Network Protocols</b>	Standard: TCP/IP (IPv6), Bonjour Optional: IPX/SPX
<b>Operating Systems</b>	Windows XP, Vista, 7, Server 2003/R2, Server 2008/R2 Citrix Presentation Server 4.5, Citrix XenApp 5.0, 6.0 Mac OS X v.10.4 or later SAP R/3 Device Type (provided in SAP Printer Vendor Program) Novell NetWare Server 6.5 (option is required) UNIX (using Ricoh UNIX Filter): Sun Solaris 2.6/7/8/9/10 HP-UX 10.x/11.x/11i v2/11i v3 SCO OpenServer 5.0/5.0.7/6.0 Red-Hat Linux Enterprise 4/5/6 IBM AIX 5L version 5.3/6.1/7.1 Web Image Monitor Web SmartDeviceMonitor SmartDeviceMonitor for Admin SmartDeviceMonitor for Admin Accounting Report Package @Remote
<b>Software Utilities</b>	

### Controller and Memory Options

<b>512 MB RAM Memory Unit Type L</b>	Part # 007121MIU
<b>120 GB Hard Disk Drive Type 8300</b>	Part # 007120MIU
<b>IEEE 802.11a/g Wireless LAN Type L</b>	Part # 403000
<b>Gigabit Ethernet Board Type C</b>	Part # 406914
<b>IEEE 1284 Interface Board Type A</b>	Part # 411699
<b>VM Card Type U</b>	Part # 416163
<b>IPDS Unit Type 8300</b>	Part # 407039

### Hardware Accessories

<b>Paper Feed Unit Type PB3130</b>	Part # 415793
<b>Paper Size</b>	7.25" x 10.5" to 11" x 17" Envelopes: Com10, C4, DL
<b>Paper Capacity</b>	550 sheets x 2 trays = 1,100 sheets
<b>Acceptable Paper Weight</b>	16 - 57 lb. Bond/120 lb. Index (60 - 216 g/m)
<b>Dimensions (WxDxH)</b>	22.8" x 24.7" x 10.2" (580 x 629 x 260 mm)
<b>Weight</b>	57.3 lb. (26 kg)
<b>2,000-Sheet Large Capacity Tray Type PB3140</b>	Part # 415795
<b>Paper Size</b>	8.5" x 11" LEF
<b>Paper Capacity</b>	1,000 sheets x 2 trays = 2,000 sheets
<b>Acceptable Paper Weight</b>	16 - 57 lb. Bond/120 lb. Index (60 - 216 g/m)
<b>Dimensions (WxDxH)</b>	22.8" x 24.7" x 10.2" (580 x 629 x 260 mm)
<b>Weight</b>	57.3 lb. (26 kg)
<b>1,200-Sheet Side Large Capacity Tray Type RT3020</b>	Part # 415984
<b>Paper Size</b>	8.5" x 11" LEF
<b>Paper Capacity</b>	1,200 sheets x 1 tray
<b>Acceptable Paper Weight</b>	16 - 57 lb. Bond/120 lb. Index (60 - 216 g/m)
<b>Dimensions (WxDxH)</b>	13.7" x 21.3" x 11.4" (348 x 540 x 290 mm)
<b>Weight</b>	30.8 lb. (14 kg)
<b>Large Cabinet Stand FAC 56</b>	Part # 416407
The Large Cabinet Stand FAC 56 must be selected when the printer main unit is to be configured with a Finisher, but not a paper supply option.	
<b>1,000-Sheet Finisher Type SR3090</b>	Part # 415804
<b>Modes</b>	Shift Sort, Stack, Staple
<b>Number of Trays</b>	2 Trays: Proof Tray & Shift Tray
<b>Paper Sizes</b>	Proof Tray: Standard: 5.5" x 8.5" to 12" x 18" Custom: 3.94" x 5.83" to 12" x 18.1" Shift Tray: Standard: 5.5" x 8.5" to 11" x 17"
<b>Paper Weight</b>	Proof Tray: 14 - 57 lb. Bond/ 120 lb. Index (52 - 216 g/m) Shift Tray: 14 - 43 lb. Bond /90 lb. Index (52 - 160 g/m)
<b>Stack Capacity</b>	Proof Tray: 250 sheets (8.5" x 11" or smaller) 50 sheets (8.5" x 14" or larger) Shift Tray: 1,000 sheets (8.5" x 11") 500 sheets (8.5" x 14" or larger)

<b>Stapling Capacity</b>	50 sheets (8.5" x 11" or smaller), 30 sheets (8.5" x 14" or larger), 16 sheets (mixed sizes)
<b>Staple Paper Weight</b>	17 - 24 lb. Bond (64 - 90 g/m)
<b>Staple Positions</b>	1 Staple: 2 positions (Top, Bottom) 2 Staples: 1 position (Left Margin)
<b>Dimensions (WxDxH)</b>	20.5" x 20.5" x 31.2" (520 x 520 x 790 mm)
<b>Weight</b>	55.0 lb. (25 kg)
Requires configuration with Bridge Unit (BU3060) and Two Tray Paper Feed Unit (PB3130), Large Capacity Tray (PB3140), or Large Cabinet Stand FAC 56.	
<b>3,000-Sheet Finisher Type SR3120</b>	Part # 416008
<b>Modes</b>	Shift Sort, Stack, Staple, Optional Hole Punch, Optional Jogging
<b>Number of Trays</b>	2 Trays: Proof Tray & Shift Tray
<b>Paper Sizes</b>	Proof Tray: Standard: 5.5" x 8.5" to 12" x 18" Custom: 3.94" x 5.83" to 12" x 23.6" Shift Tray: Standard: 5.5" x 8.5" to 12" x 18" Custom: 3.94" x 5.83" to 12" x 23.6"
<b>Paper Weight</b>	Proof Tray: 14 - 43 lb. Bond/90 lb. Index (52 - 163 g/m) Shift Tray: 14 - 57 lb. Bond/120 lb. Index (52 - 216 g/m)
<b>Stack Capacity</b>	Proof Tray: 250 sheets (8.5" x 11" or smaller) 50 sheets (8.5" x 14" or larger) Shift Tray: 14 - 43 lb. Bond/90 lb. Index (52 - 163 g/m)
<b>Stapling Capacity</b>	50 sheets (8.5" x 11" or smaller), 30 sheets (8.5" x 14" or larger), 16 sheets (mixed sizes)
<b>Staple Paper Weight</b>	16 - 20 lb. Bond (60 - 81 g/m)
<b>Staple Positions</b>	1 Staple: 3 positions (Top, Bottom, Top Slant) 2 Staples: 1 position (Left Margin)
<b>Dimensions (WxDxH)</b>	25.9" x 24.1" x 37.8" (657 x 613 x 960 mm)
<b>Weight</b>	119 lb. (54 kg)
<b>Other Components</b>	Optional Output Jogger Unit Optional 2-/3-hole Punch Unit
Requires configuration with Bridge Unit (BU3060) and Two Tray Paper Feed Unit (PB3130), Large Capacity Tray (PB3140), or Large Cabinet Stand FAC 56.	
<b>Bridge Unit Type BU3060</b>	Part # 415988
The Bridge Unit (BU3060) is a required accessory when the main unit is to be configured with either Finisher. The Bridge Unit transports pages from the printer's standard exit area into a Finisher for online stapling, punching, and/or folding.	
<b>Sheet Capacity</b>	250 sheets (8.5" x 11" or smaller) 125 sheets (8.5" x 14" or larger)
<b>Punch Unit Type PU3030NA</b>	Part # 430719
The Hole Punch Unit Type PU3030NA is optional for the 3,000-Sheet Finisher only; installs inside the Finisher.	
<b>Punch Paper Sizes</b>	2 holes: 5.5" x 8.5" to 11" x 17" 3 holes: 8.5" x 11", 11" x 17"
<b>Punch Paper Weight</b>	14 - 43 lb. Bond/90 lb. Index (52 - 160 g/m)
<b>Output Jogger Unit Type 9002A</b>	Part # 415903
The Output Jogger Unit Type 9002A is optional for the 3,000-sheet Finisher only. It taps sheets in the Shift Tray into aligned sets for stacking or off-line binding.	
<b>Paper Size</b>	5.5" x 8.5" to 11" x 17"
<b>Paper Weight</b>	14 - 43 lb. Bond/90 lb. Index (52 - 160 g/m)
<b>Shift Capacity</b>	Up to 20 mm
<b>Dimensions (WxDxH)</b>	4.25" x 17.8" x 5.1" (108 x 452 x 130 mm)
<b>Weight</b>	4.4 (2 kg)

### Consumables & Yields

Consumables	Yield	Part #
<b>Black Toner Type SP 8200A</b>	144,000* (36,000 prints/bottle)	820076
<b>Printer Maintenance Kit SP 8300A (contains OPC Drum &amp; Developer)</b>	160,000	407057
<b>Printer Maintenance Kit SP 8300B (contains Transfer Belt &amp; Fusing Unit)</b>	160,000	402961
<b>Staple Type K for SR3090 Finisher</b>	5,000	410801
<b>Staple Type K Refill for SR3090/SR3130 Finishers</b>	15,000	410802

\*Declared yield values in accordance with ISO/IEC 19752.

Actual yields may vary based on types of images printed and other factors.

For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.



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