Ricoh Aficio SP C820DN
Color Laser Printer
Keep More Jobs In-House
Take Control Of Your Documents
The RICOH® Aficio® SP C820DN Series Color Laser Printer helps offices bring more full-color documents in-house and regain control of your budget. This cost-effective printer produces a wide variety of jobs on all kinds of media, with in-line finishing. As a result, you can reduce outsourcing costs without sacrificing document quality or visual appeal. The Ricoh Aficio SP C820DN Series is based on a successful, market-proven design. That means you can expect high reliability and easy maintenance, plus helpful device management and security tools. All from a network printer that offers exceptional productivity and a total cost of ownership that ranks among the lowest in its class.
**Improve In-House Productivity**
The Ricoh Aficio SP C820DN Series is one of the most productive color printers on the market today.

- Print presentations, reports, brochures and other documents quickly. This printer delivers 40 pages-per-minute speed for full-color and black & white output.
- Cut wait time. Expect your first color print in nine seconds, or just eight seconds for black & white. Warm-up time is less than a minute.
- Meet the demands of a large office without frequent paper refills. This printer holds up to 3,200 sheets with all trays and options.
- Prevent document mix-ups with a 4-Bin Mailbox that allows shared access to the printer and maintains user privacy.
- Reprint forms and other frequently used documents instantly with the optional 80 GB Hard Disk Drive (HDD), which enables a full line of print-on-demand choices.

**Long-Lasting Reliability**
The Ricoh Aficio SP C820DN Series combines high durability with low total cost of ownership (TCO).

- Ensure flawless operation for the long haul. This reliable printer has a monthly duty cycle that easily outperforms the competition and supports heavy use.
- Enjoy smooth, uninterrupted print runs with a shorter, soft curve paper path that easily accommodates heavy stocks and makes it simple to clear jams.
- Produce more color output while keeping your budget under control with low operating costs and high-yield consumables.

**Tight Security, Easy Management**
Protect confidential documents and make life much easier for IT.

- Reduce the risk of color printing being abused. Administrator and user authentication provides accountability and helps prevent unauthorized access.
- Keep documents secure if the hard drive is stolen. The DataOverwriteSecurity System (DOSS) option overwrites hard drive data after every print job.
- Maximize your technology investment across the entire organization with the embedded @Remote solution, an advanced device utilization and fleet reporting utility.
- Configure network settings, browse printer status, manage administrator/user authentication settings and even view system status, such as paper and supply levels, with utilities like Web Image Monitor.

**Outstanding Flexibility**
Produce booklets, flyers, handouts, banners, and more.

- Select the ideal resolution for any job. Optimize color quality for shadow detail and skin tones with 4-bit color and interpolated resolution up to 9600 x 600 dpi.
- Expand your capabilities with heavier paper stock. All paper trays accept weights up to 140 lb. Index in simplex mode and up to 90 lb. Index in duplex mode.
- Publicize events with full-color banners up to 12” wide and 49.6” long.
- Staple reports, strategic plans and other documents with the 3,000-Sheet Finisher. Add the Hole Punch Unit to prepare output for insertion in three-ring binders.
- Produce high-impact, full-color training, education and marketing materials with folding and saddle-stitching using the 1,000-Sheet Booklet Finisher.
Ricoh Aficio SP C820DN Series Specifications

Mainframe EDP Codes
Aficio SP C820DN 406547
Aficio SP C820DNT1 406548
Aficio SP C820DNT2 406549
Aficio SP C820DNLC 406550

System Specifications
Configuration Technology Desktop
Printing Speed 40-ppm black & white and full-color
Warm-Up Time 35 seconds
First Print Speed Black & white: 8 seconds or less
Duplicate Print Speed Near 100% productivity for all paper sizes
Print Resolution 600 x 600 dpi (1-bit)
Standard Input 10-sheet By-pass Tray*
CPU Intel® Celeron® M @ 1.66GHz
Hard Disk Drive 80 GB HDD Optional on all models

Optional Interfaces* IEEE 1284 Interface Board Type A – Part # 411699
IEEE 11082b Wireless LAN Type J – Part # 414008
Bluetooth Wireless Interface Type 2.1 – Part # 414008
Gigabit Ethernet Board Type B – Part # 414008

Networking Protocols Default: TCP/IP (IPv4, IPv6), SMB, AppleTalk
Optional: IPX/SPX


Drivers
PostScript® for ESA

Utilities
SmartDeviceMonitor for Admin
Client WebSmartDeviceMonitor (Optional); Web Image Monitor
DeskTopBinder V2 Lite; Print Utility

Controller Options
Tray Paper Feed Type B20 – Part # 004167MIU Camera Direct Print Card Type F – Part # 403018: Enables direct printing from PictBridge® enabled digital camera, without a PictBridge® Camera Direct Print Card

Security Features
DataOverWriteSecurity System Type M (Optional) – Part # 406495: Security feature that overwrites latent data on the HDD during HDD Encryption Unit Type D (Optional) – Part # 403113: Encrypts data on HDD, so data is secure even if HDD is stolen

Other Security Features
Network Protocols ON/OFF, Administrator Authentication, Job Log/Job Access, IP Address Filtering, User Account Registration, User Authentication, Wi-Fi Protect Access (WPA), Kerberos, 802.11x Wired Authentication, 128-bit Secure Socket Layer, SMB v3 Encryption, Printer Control, Locked Print

Hardware Accessories
Two-Tray Paper Feed Unit (PB3040) – Part # 415002

Paper Capacity
Paper Sizes 17.5” x 11” – 11.7” x 17”
Paper Weights 16 – 68 lb. Bond/140 lb. Index (60 – 250 g/m²)

One-Tray Paper Feed Unit (PB3080) – Part # 414720

Paper Capacity Paper Sizes 17.5” x 11” – 11.7” x 17”
Paper Weights 16 – 68 lb. Bond/140 lb. Index (60 – 250 g/m²)

Large Capacity Tray (LCT) (PB3050) – Part # 415003

Paper Capacity 550 sheets (550 x 1)

FAC33 Cabinet Stand (Large) – Part # 413762

Note: The Cabinet Stand or a paper supply option must be selected for Base Model installation when the printer is to be configured with a Finisher.

3,000-Sheet Finisher (SR3000) – Part # 413322

Paper Sizes 5.5” x 11” – 11.7” x 17”
Paper Weights 14 – 43 lb. Bond/90 lb. Index (60 – 128 g/m²)

Shift Tray: 3,000 sheets (8.5” x 11” LEF), 1,500 sheets (8.5” x 11” SEF), 8.5” x 14”, 11” x 17”, 11” x 17” (14.8 x 18”), 100 sheets (5.5” x 8.5”)

Staple Capacity 50 sheets (8.5” x 11” SEF), 30 sheets (8.5” x 14” or larger, 8.5” x 11” LEF)

Staple Paper Sizes 8.5” x 11” – 11” x 17”

Staple Paper Weights 17 – 24 lb. Bond (64 – 90 g/m²)

Staple Positions 1 staple/3 positions; 2 staples/1 position

SR3030 Finisher Options
2/3-Hole Punch Unit Type 3260 – Part # 412209
Jogger Unit Type 3260 – Part # 414475

1,000-Sheet Booklet Finisher (SR3000) – Part # 412851

Paper Sizes 5.5” x 11” – 11.7” x 17”, 12” x 18”

Paper Weights Upper Tray: 14 – 28 lb. Bond (52 – 105 g/m²); Shift Tray: 14 – 68 lb. Bond/140 lb. Index (52 – 256 g/m²)

Stack Capacity Upper Tray: 100 sheets (8.5” x 11” LEF), 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, 8.5” x 11” LEF), 100 sheets (5.5” x 8.5”); Dock Tray: 20 sets (2 – 5 sheets/set, all sizes, saddle-stitched) or 10 sets (6 – 10 sheets/set, all sizes, saddle-stitched)

Staple Capacity 50 sheets (8.5” x 11” or smaller),
30 sheets (8.5” x 14” or larger)
Saddle Stitch: 10 sheets (up to 40 pages)

Staple Paper Sizes 8.5” x 11” to 11” x 17”

Staple Paper Weights 17 – 24 lb. Bond (64 – 90 g/m²)

Staple Positions 1 staple/2 positions; 2 staples/1 position

SR3000 Finisher Options
2/3-Hole Punch Unit Type P30000 – Part # 412855

*Requires Bridge Unit B3030 – Part # 414415

4-Bin Mailbox Type CB20 – Part # 406409

Number of Bins 4

Capacity Per Bin 125 sheets

Paper Weight 16 – 34 lb. Bond (60 – 128 g/m²)

*Can be installed simultaneously with both the 1,000-Sheet Booklet Finisher and 3,000-Sheet Finisher

Must be installed with either the RB3040 (SP C820DN2) or the RB3030 LCT (SP C820DNLC)

Supplies
Consumables Part # Yield
Black Toner 821027 20,000 pages @ 5%
Yellow Toner 821027 15,000 pages @ 5%
Magenta Toner 821027 15,000 pages @ 5%
Cyan Toner 821029 15,000 pages @ 5%
Photocopy Unit 403115 40,000 pages

Color
White Toner Bottle 402716 40,000 pages

Black Transfer Medium 401177 160,000 pages

Fusing Unit 403118 120,000 pages

Based on A4 letter 5% test chart; 3 pages/job; Cyan, Magenta and Yellow (color printing only)

Based on A4 letter 5% test chart; 3 pages/job; Color Drum Unit (color printing only)

Based on A4 letter 5% test chart; 3 pages/job

SP C820DN, SP C820DNT1, SP C820DNT2, and SP C820DNLC ship with starter toner cartridges that yield 10,000 pages for Black and 8,000 pages for each Color @ 5% coverage.

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

Specifications subject to change without notice.

PANTONE® Support
PANTONE® Profiles and Look-Up Tables will be available in Summer, 2009.

Warranty
The Ricoh Aficio SP C820DN Series is under warranty against defects for a period of one year from the date of purchase.
Consumables are under warranty for a period of 90 days from the date of purchase or until depleted, whichever comes first. Please refer to warranty document shipped with the product for more details.

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