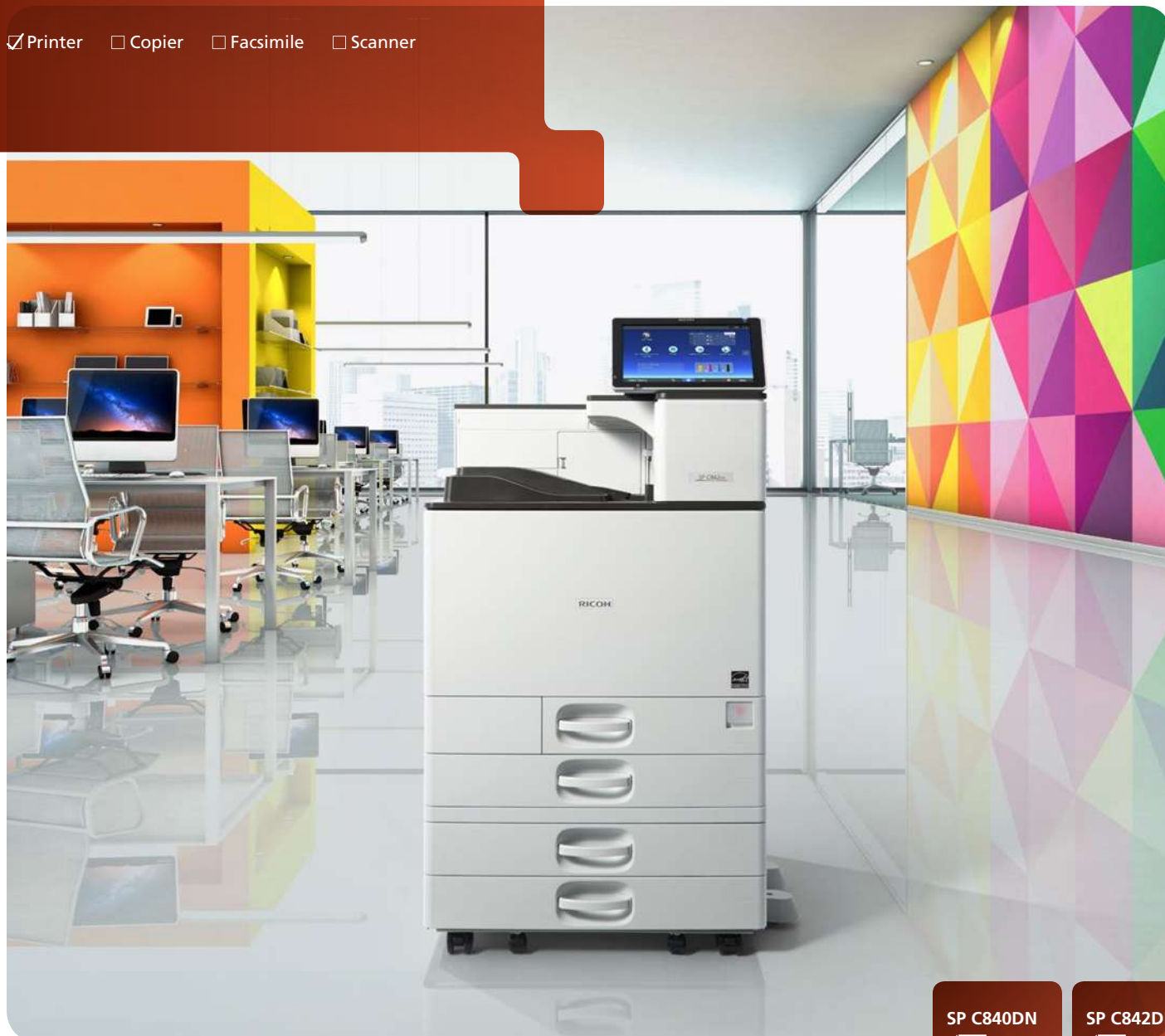


Color Laser Printer

# RICOH SP C840DN/ SP C842DN

☒ Printer ☐ Copier ☐ Facsimile ☐ Scanner

**RICOH**  
imagine. change.



SP C840DN

45  
ppm

monochrome  
and full-color

SP C842DN

60  
ppm

monochrome  
and full-color



- 12 3,000-Sheet Finisher (Optional):** Create high volumes of professional quality document sets with multi-position stapling and an optional Hole Punch Unit.
- 13 Output Jogger Unit (Optional):** Use it to offset output from the 3,000-Sheet Finisher for easy retrieval or for offline finishing equipment.
- 14 320 GB Hard Disk Drive:** Help protect your work with DataOverwriteSecurity System (DOSS), data encryption, Locked Print and more. Optional for the SP C840DN.
- 15 Media Options:** Print a wide range of output from a single device, including saddle stitched booklets up to 12.6" x 18", personalized envelopes, thicker postcards up to 300 gsm and more through the Bypass Tray.
- 16 Paper Trays and 100-Sheet Bypass Tray:** Reduce reloads with two standard front-loading Paper Trays that hold 550 sheets each. The Bypass Tray holds an additional 100 sheets in sizes up to 12.6" x 49.6". Add an optional Banner Paper Guide Tray for impressive banner printing.

- 17 Paper Feed Units (Optional):** Choose the 1 x 550-Sheet Paper Tray or 2 x 550-Sheet Paper Tray to boost paper capacity to 2,300 sheets, including user-adjustable paper sizes for letter, legal, ledger and envelopes.
- 18 Large Capacity Trays (Optional):** Expand paper capacity with the 1,500-Sheet Side Large Capacity Tray. Add the 2,000-Sheet Large Capacity Tray for a maximum capacity of 4,700 sheets (with addition of 1 x 500-Sheet Paper Tray).
- 19 Document Storage:** Store and access up to 3,000 frequently used files on the printer's hard drive for fast, easy retrieval and printing. Create up to 200 shared or passcode-protected personal folders to store the digital files. Optional for the SP C840DN.
- 20 Dual Network Support:** Use the additional network interface port to connect to two different networks simultaneously.
- 21 Broad Compatibility:** Integrate these printers with built-in compatibility for PC, Macintosh®, Linux® and host printing environments.

## Specifications

SP C840DN	Part #408105
SP C842DN	Part #408106
Configuration	Desktop
Printing Process	Laser-beam scanning & electrophotographic printing with dual component toner development, 4-drum tandem method
Operation Panel	10.1" Smart Operation Panel color touchscreen with integrated USB 2.0 host port and SD card slot
Printing Speed	SP C840DN: 45 ppm (B&W/Full-color) SP C842DN: 60 ppm (B&W/Full-color)
Warm-Up Time	SP C840DN: 22 seconds or less SP C842DN: 20 seconds or less
Recovery from Sleep Mode	7.3 seconds
First Print Speed	SP C840DN: B&W: 4.0 seconds or less; Full-color: 5.7 seconds or less SP C842DN: B&W: 3.1 seconds or less; Full-color: 4.6 seconds or less
Duplex Print Speed	Near 100% productivity for all paper sizes
Print Resolution	Up to 1200 x 1200 dpi
Standard Paper Supply	550-Sheet x 2 Paper Tray + 100-Sheet Bypass Tray (1,200 sheets total capacity)
Maximum Paper Supply	4,700 Sheets (Standard Trays 1 & 2 + 2,000-Sheet LCT + 1,500-Sheet Side LCT + 100-Sheet Bypass)
Output Capacity	Standard: 500 sheets, face down (8.5" x 11" or smaller); 250 sheets, face down (8.5" x 14" or larger) Maximum: Up to 4,000 sheets with Finisher, Bridge Unit and 4-Bin Mailbox
Paper Sizes	Standard Tray 1: Fixed for Letter (8.5" x 11") (216 x 279 mm), A4, A5 Standard Tray 2 and Optional Paper Feed Units: User adjustable up to 12" x 18" including Letter (8.5" x 11"), Legal (8.5" x 14"), Exec (10.5" x 7.25"), Ledger (11" x 17"), A3, A4, A5, A6 Custom Sizes: 3.55" x 5.83" – 12.6" x 18" (90 x 148 mm to 320 x 457 mm) Envelopes for Tray 2: Com10, Monarch, C5, C6, DL; Envelopes for Optional Paper Feed Units: Com10, C5 Bypass Tray: User adjustable up to 12" x 18" including 5.5" x 8.5" to 11" x 17" (140 x 216 mm to 279 x 432 mm), A3, A4, A5, A6; Custom Sizes: 3.55" x 5.83" to 12.6" x 49.6" (90 x 148 mm to 320 x 1260 mm) and Envelopes: Com10, Monarch, C5, C6, DL

## Paper Weights

## Paper Types

## Dimensions (WxDxH)

## Weight Power Requirements Power Consumption

## Typical Electricity Consumption (TEC)

## Print Controller Specifications (Standard)

### CPU

### Memory

### Hard Disk Drive

## Printer Languages

## Fonts

Optional 2,000-Sheet LCT and Optional 1,500-Sheet Side LCT: Fixed for Letter (8.5" x 11") (216 x 279 mm), A4  
When Duplexing: 3.55" x 5.83" to 12.6" x 18" (90 x 148 mm x 320 x 457 mm)  
Standard Trays: 16 – 82 lb. Bond/  
170 lb. Index (60 – 300 g/m)  
Bypass Tray: 14 – 82 lb. Bond/  
170 lb. Index (52 – 300 g/m)  
Optional Paper Feed Units, Optional 2,000-Sheet LCT and Optional 1,500-Sheet Side LCT: 16 – 82 lb. Bond/  
170 lb. Index (60 – 300 g/m)  
Duplex Unit: 14 – 68 lb. Bond/  
140 lb. Index (52 – 256 g/m)  
All Sources: Plain Paper, Recycled Paper, Color Paper, Letterhead, Special Paper 1-3, Card Stock, Bond Paper, Preprinted Paper, Coated Paper  
Envelopes: Com10 and C5 envelopes can be fed using Standard Tray 2, Bypass Tray and Optional Paper Feed Units  
Bypass Tray Only: Labels, OHP  
23.1" x 27" x 34" (587 x 685 x 864 mm) (Standard Configuration)  
187 lb. (85 kg)  
120 – 127V, 60 Hz  
Operating: 1,584 W or less;  
Sleep Mode: 0.7 W  
SP C840DN – 1.7 kWh/week  
SP C842DN – 2.8 kWh/week

## Standard Interfaces

## Optional Interfaces\*

## Network Protocols

## Operating Systems

## Utilities

10Base-T/100Base-TX/1000Base-T Gigabit Ethernet, High Speed USB 2.0 Type B, Dual USB 2.0 Host Type A, USB 2.0 Type A/SD Card Slot integrated into Smart Operation Panel (for Print from Portable Media)  
IEEE 802.11a/b/g/n, IEEE 1284, USB 2.0 Port, NIC2 Port  
Standard: TCP/IP (IPv4/IPv6)  
Optional: IPX/SPX  
Operating Systems  
Windows Vista/7/8/8.1/10/Server 2008/Server 2008R2/Server 2012/Server 2012R2; Citrix Presentation Server 4.5, Citrix XenApp 5.0+; Mac OS X 10.8 or later; SAP R/3; Novell NetWare Server 6.5 (option is required), UNIX (Using Ricoh UNIX filter): Sun Solaris 9/10, HP-UX 11.x/11i v2/11i v3, SCO OpenServer 5.0.7/6.0, RedHat Linux Enterprise V4/V5/V6, IBM AIX 5L V5.3/V6.1/V7.1  
Device Manager NX Series, SmartDeviceMonitor for Admin and Client, SmartDeviceMonitor for Admin Accounting Report Package, Web SmartDeviceMonitor, Web Image Monitor, Remote Communication Gate Type S, @Remote

\*Only one interface can be installed.

## Controller and Memory Options

USB Device Server Option Type M19  
Extended USB Board Type M19  
IEEE 1284 Interface Board Type M19  
IEEE 802.11a/b/g/n Interface Unit Type M19  
Camera Direct Print Option Type M19  
VM Card Type P8\*  
XPS Direct Print Option Type P11  
IPDS Unit Type P11  
Adobe PostScript3 Type P11  
HDD Option Type P11 (SP C840DN only)  
\*HDD option required for the SP C840DN.

## Security Features

DataOverwriteSecurity System (DOSS), Authentication (Windows/LDAP/Kerberos/Basic/User Code/802.1x Wired), Wireless LAN Security (WPS/IEEE802.11i/IEEE802.11w), Encryption (Address Book/Authentication Password/SSL Communication/S/MIME/IPsec Communication/HDD/SMTP over SSL/TLS/Transport Layer Security/SSH/Wireless LAN), Network Protocols ON/OFF, IP Address Filtering, Quota Setting/Account Limit, Compulsory Security Stamp, Unauthorized Copy Prevention and Mask Type for Copying

# RICOH SP C840DN/SP C842DN

## SYSTEM SPECIFICATIONS



\*Genuine Adobe® PostScript® 3™ and PDF Direct from Adobe® are available as an option.

### Document Storage Specifications\*

Total HDD Capacity	320 GB (shared with other functions)
Maximum Stored Documents	3,000 files
Maximum Pages/Document	1,000 pages
Maximum Stored Page Capacity	Approx. 9,000 pages total

\*Standard for SP C842DN; Optional for SP C840DN

### Hardware Accessories

#### 550 x 1 Paper Feed Unit (PB3250)\*

Paper Capacity	550 sheets
Paper Sizes	3.55" x 5.83" – 12.6" x 18", A3, A4, A5, A6
Paper Weights	16 – 82 lb. Bond/170 lb. Index (60 – 300 g/m <sup>2</sup> )
Dimensions (WxDxH)	23.1" x 27" x 4.7" (587 x 685 x 120 mm)
Weight	24 lb. (10.9 kg)

\*Requires addition of Caster Table Type M3

#### 550 x 2 Paper Feed Unit (PB3240)\*

Paper Capacity	1,100 sheets
Paper Sizes	3.55" x 5.83" – 12.6" x 18", A3, A4, A5, A6
Paper Weights	16 – 82 lb. Bond/170 lb. Index (60 – 300 g/m <sup>2</sup> )
Dimensions (WxDxH)	23.1" x 27" x 9.7" (587 x 685 x 247 mm)
Weight	48.5 lb. (22 kg)

#### 2,000-Sheet Large Capacity Tray (LCIT PB3260)\*

Paper Capacity	2,000 sheets
Paper Sizes	8.5" x 11", A4
Paper Weights	16 – 82 lb. Bond/170 lb. Index (60 – 300 g/m <sup>2</sup> )
Dimensions (WxDxH)	23.1" x 27" x 9.7" (587 x 685 x 247 mm)
Weight	48.5 lb. (22 kg)

#### 1,500-Sheet Side Large Capacity Tray (LCIT RT3030)\*

Paper Capacity	1,500 sheets
Paper Sizes	8.5" x 11", A4
Paper Weights	16 – 82 lb. Bond/170 lb. Index (60 – 300 g/m <sup>2</sup> )
Dimensions (WxDxH)	13.4" x 21.4" x 11.4" (340 x 544.5 x 290 mm)
Weight	22 lb. (10 kg)

\*Requires configuration with 550 x 2 Paper Feed Unit (PB3240) or 2,000-Sheet Large Capacity Tray (PB3260). Cannot be installed with Cabinet Type F or Caster Table Type M3.

#### Large Cabinet Stand (Cabinet Type F)\*

The Large Cabinet Stand (Cabinet Type F) must be selected when the printer main unit is to be configured with a Finisher, but not a paper supply option.

#### Caster Table Type M31

The Caster Table Type M31 is required when the main unit is configured with the 550 x 1 Paper Feed Unit (PB3250).

#### 3,000-Sheet Finisher (SR3230)\*\*

Modes	Shift, Sort, Stack, Staple, Optional Hole Punch
Paper Size	Proof Tray: 5.5" x 8.5" to 12" x 18" (A6 – A3) Shift Tray: 5.5" x 8.5" to 12" x 18" (A6 – A3)
Paper Weight	Proof Tray: 16 – 58 lb. Bond/122 lb. Index (60 – 220 g/m <sup>2</sup> ) Shift Tray: 14 – 80 lb. Bond/166 lb. Index (52 – 300 g/m <sup>2</sup> )
Stack Capacity	Proof Tray: 250 sheets (8.5" x 11" or smaller) (A4); 50 sheets (8.5" x 14" or larger) (B4) Shift Tray: 3,000 sheets (8.5" x 11") (A4); 1,500 sheets (8.5" x 14" or larger) (B4) 50 sheets (8.5" x 11" to 11" x 17") or Mixed Sizes (A4 – A3)
Staple Capacity	8.5" x 11" to 11" x 17" (A4 – A3)
Staple Paper Size	14 – 28 lb. Bond (52 – 105 g/m <sup>2</sup> )
Staple Paper Weight	Top, Bottom, 2 Staples, Top Slant
Staple Positions	5,000 staples/cartridge
Staple Cartridge Capacity	25.9" x 24.1" x 37.8" (657 x 613 x 960 mm)
Dimensions (WxDxH)	Weight
Weight	74 lb. (33.5 kg)

#### 1,000-Sheet Booklet Finisher (SR3220)\*\*

Modes	Shift, Sort, Stack, Staple, Saddle Stitch, Optional Hole Punch
Paper Size	Proof Tray: 5.5" x 8.5" to 12" x 18" (A6 – A3) Shift Tray: 5.5" x 8.5" to 12" x 18" (A6 – A3) Booklet Tray: 8.5" x 11" to 12" x 18" (A4 – A3)
Paper Weight	Proof Tray: 14 – 45 lb. Bond (52 – 169 g/m <sup>2</sup> ) Shift Tray: 14 – 80 lb. Bond/166 lb. Index (52 – 300 g/m <sup>2</sup> ) Booklet Tray: 14 – 28 lb. Bond (52 – 105 g/m <sup>2</sup> )
Stack Capacity	Proof Tray: 250 sheets (8.5" x 11" or smaller) (A4); 50 sheets (8.5" x 14" or larger) (B4 – A3) Shift Tray: 1,000 sheets (8.5" x 11" or smaller) (A4); 500 sheets (8.5" x 14" or larger) (B4 – A3) Booklet Tray: 20 Sets (2 – 5 sheets), 10 Sets (6 – 10 sheets) & 7 Sets (11 – 15 sheets)
Staple Capacity	Normal Staple: 50 sheets (8.5" x 11") (A4); 30 sheets (8.5" x 14" or larger) (B4 – A3) Saddle Stitch: 15 sheets
Staple Paper Size	Normal Staple: 8.5" x 11" to 12" x 18" (A4 – A3) Saddle Stitch: 8.5" x 11" to 12" x 18" (A4 – A3)
Staple Paper Weight	14 – 28 lb. Bond (52 – 105 g/m <sup>2</sup> )
Staple Positions	Top, Bottom, 2 Staples, Booklet
Dimensions (WxDxH)	22.2" x 24.4" x 37.8" (563 x 620 x 960 mm)
Weight	103.6 lb. (47 kg)
1,000-Sheet Hybrid Staple + Stapleless Finisher (SR3210)**	
Paper Size	Proof Tray: 5.5" x 8.5" to 12" x 18" (A6 – A3) Shift Tray: 5.5" x 8.5" to 12" x 18" (A6 – A3)
Paper Weight	Proof Tray: 14 – 45 lb. Bond/93 lb. Index (52 – 169 g/m <sup>2</sup> ) Shift Tray: 14 – 80 lb. Bond/166 lb. Index (52 – 300 g/m <sup>2</sup> )
Stack Capacity	Proof Tray: 250 sheets (8.5" x 11") (A4); 50 sheets (8.5" x 14" or larger) (B4) Shift Tray: 1,000 sheets (8.5" x 11") (A4); 500 sheets (8.5" x 14" or larger) (B4)
Stapleless Capacity	2 – 5 sheets/set
Staple Capacity	50 sheets (8.5" x 11") (A4) 30 sheets (8.5" x 14" or larger) (B4)
Staple Paper Size	8.5" x 11" to 12" x 18" (A4 – A3)
Staple Paper Weight	14 – 28 lb. Bond (52 – 105 g/m <sup>2</sup> )
Staple Positions	Top, Bottom 2 Staples
Dimensions (WxDxH)	25.4" x 24.4" x 37.8" (646 x 620 x 960 mm)
Weight	60 lb. (27 kg)
Mailbox CS3010*	
Number of Bins	4
Capacity Per Bin	125 sheets x 4 trays = 500 sheets
Paper Size	3.55" x 5.83" to 11.69" x 17", A3, A4, A5, A6
Paper Weight	14 – 45 lb. Bond/90 lb. Index (52 – 169 g/m <sup>2</sup> )
Dimensions (WxDxH)	21.9" x 21.4" x 19.9" (555 x 544 x 506 mm)
Weight	28.7 lb. (13 kg)
*The Mailbox CS3010 can be installed by itself or simultaneously with either Finisher or paper supply options.	
2-/3-Hole Punch Unit (PU 3050NA)	
(Optional; Installs inside SR3210 or SR3220 Finisher)	
Punch Paper Sizes	5.5" x 8.5" to 11" x 17" (A5 – A3)
Punch Paper Weight	14 – 68 lb. Bond/142 lb. Index (52 – 256 g/m <sup>2</sup> )
2-/3-Hole Punch Unit (PU3060NA)	
(Optional; Installs inside SR3230 Finisher)	
Punch Paper Sizes	5.5" x 8.5" to 11" x 17" (A5 – A3)
Punch Paper Weight	14 – 68 lb. Bond/142 lb. Index (52 – 256 g/m <sup>2</sup> )

#### Internal Multi-fold Unit (FD3000)

Folding Type	Z-Fold, Half-Fold, Outer Tri-Fold, Inner Tri-Fold
Paper Size	Z-Fold, Half-Fold A3, B4, A4, DLT, LG, LT, 8k, 8.5" x 13.4" (Oficio)
(Only FD3000 Multi-fold Unit)	Outer or Inner Tri-Fold A3, A4, DLT, LG, LT, 8k, 8.5" x 13.4" (Oficio)
Paper Size	Z-Fold A3, B4, A4, DLT, LG, LT, 8k, 8.5" x 13.4" (Oficio)
(When connected to SR3210, SR3220 or SR3230 finisher)	Half-Fold A3, B4, A4, DLT, LG, LT, 8k, 8.5" x 13.4" (Oficio) 12" x 18", 12.6" x 17.7" (SRA3) Outer or Inner Tri-Fold A3, A4, DLT, LG, LT, 8.5" x 13.4" (Oficio) 24.09" x 21.85" x 7.24" (612 x 555 x 184 mm) 33 lb. (15 kg)
Dimensions (WxDxH)	
Weight	
Bridge Unit (BU3070)	
The Bridge Unit (BU3070) is a required accessory when the main unit is to be configured with any Finisher. The Bridge Unit transports pages from the printer's standard exit area into a Finisher for online stapling, punching, and/or folding.	
Sheet Capacity	250 sheets (8.5" x 11" or smaller), 125 sheets (8.5" x 14" or larger)
Output Jogger Unit Type M25	
The Output Jogger Unit Type M25 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.	
Paper Size	5.5" x 8.5" – 11" x 17", A5 – A3
Paper Weight	14 – 68 lb. Bond/140 lb. Index (52 – 256 g/m <sup>2</sup> )
Shift Capacity	Up to 20 mm
Dimensions (WxDxH)	4.25" x 17.8" x 5.1" (108 x 452 x 130 mm)
Weight	4.4 lb. (2 kg)

### Additional Accessories

Banner Paper Guide Tray Type M19, Attention Light AL3000, Imageable Area Extension Unit Type P11, NFC Card Reader Type P11, External NFC Card Reader Bracket Type P11

### Supplies

Consumables	Part #	Yield*
Print Cartridge Black (SP C840A)	821255	43,000*
Print Cartridge Yellow (SP C840A)	821256	34,000*
Print Cartridge Magenta (SP C840A)	821257	34,000*
Print Cartridge Cyan (SP C840A)	821258	34,000*
Black Drum Unit (SP C840)	408034	60,000
Color Drum Unit (SP C840)	408035	60,000 x 3
(Includes Cyan, Magenta & Yellow units)		
Waste Toner Bottle (SP C840)	408036	80,000
Transfer Unit (SP C840)	408037	200,000
Fusing Unit (SP C840)	408038	160,000
Fusing Unit for SRA3 (SP C840)**	408147	160,000
Staple Set Type T for SR3210/SR3230	415009	5,000/carton
Staple Refill Type T for SR3210/SR3230	415010	10,000/carton
Staple Set Type S for SR3220	412874	5,000/carton
(Normal and Saddle Stitch; Uses Type K refill)		
Staple Refill Type K for SR3220	410802	15,000/carton
(Normal and Saddle Stitch)		

\*Declared yield values in accordance with ISO/IEC 19798.

\*\*The Fusing Unit SP C840 A3 is required when ordering the Imageable Area Extension Unit Type P11

†Either the Cabinet Type F or one of the following paper options must be installed: PB3240, PB3250 with Caster Table Type M3 or LCIT PB3260.

\*Requires configuration with Bridge Unit BU3070 or Internal Multi-fold Unit FD3000.

†Cannot be installed together.

\*Requires installation of Two-Tray Paper Bank (PB3240), Cabinet Type F or Tandem Large Capacity Tray (PB3260).

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

Specifications are subject to change without notice.

Some options may not be available at the time of market release.

### Warranty

The Ricoh SP C840DN/SP C842DN 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 documents shipped with the product for more details.

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