



imageRUNNER ADVANCE C5255

Customer Expectations Document

Version 2



Engineering Services and Solutions Division
Business Imaging Systems Group, Canon U.S.A., Inc.

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IMPORTANT

The purpose of this Customer Expectations Document is to explain the current features and capabilities of the imageRUNNER ADVANCE C5255, and provide customers information about what to expect before purchasing the machine.

The information included in this document has been pulled from various sources, including product reference guides, service guides, and user manuals, as well as from the results from internal Canon testing. Specifications and other information contained herein may vary slightly, and in a non-material way, from actual device values, including those found in advertising and other printed matter. Part numbers, yield information, and specifications are subject to change without notice. Accordingly, the latest specifications for the machine may not be found in this document. As new information becomes available, this document will be revised. Canon authorized dealers can access the latest revision of this document from the Download Center page in the e-Support Web site (support.cusa.canon.com).

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1. Introduction

The Canon imageRUNNER ADVANCE C5255 Customer Expectations Document contains information about the features and capabilities of the Canon imageRUNNER ADVANCE C5255. This document should be used as part of the presale and pre-installation planning process to help clarify the requirements and responsibilities associated with supporting, owning, and operating the imageRUNNER ADVANCE C5255. It is also recommended that those interested in purchasing the imageRUNNER ADVANCE C5255 have, and familiarize themselves with, the information in this document prior to making their purchase.

2. Product Overview

The Canon imageRUNNER ADVANCE C5255 brings the following capabilities to users in an office environment:

- Print speeds of up to 55 ppm (pages per minute) (LTR, Black-and-White), and up to 51 ppm (LTR, Color)
- Single pass duplex document feeder with scanning speeds of up to 120 ipm (images per minute)
- Large 8.4" full-color, slide and tilt control panel
- Finishing options, such as an internal finisher, staple or booklet finisher, and hole puncher
- Advanced paper handling, up to 3,000 sheet capacity with the optional Paper Deck-B2 attached
- True 1,200 dpi printing at the engine's rated speed
- Standard USB memory support. One USB port is on the reader and can be used for scanning, printing, or direct printing from a USB memory stick. One USB port is on the rear of the machine, and can only be used to attach a USB keyboard, third-party card reader, direct printing, or for servicing the machine
- Color RAPID Fusing Technology for quick warm up times and first copy output times
- Standard Universal Send

2.1 Summary of Functions

| Function | | imageRUNNER ADVANCE C5255 |
|---------------------------|----------------------------|--|
| Print Speed (LTR) | B&W | Up to 55 ppm |
| | Color | Up to 51 ppm |
| Scan Speed (LTR, 300 dpi) | Simplex | B&W: Up to 75 ipm, Color: Up to 75 ipm |
| | Duplex | B&W: Up to 120 ipm, Color: Up to 120 ipm |
| Scan Speed (LTR, 600 dpi) | Simplex | B&W: Up to 75 ipm, Color: Up to 51 ipm |
| | Duplex | B&W: Up to 75 ipm, Color: Up to 51 ipm |
| DADF | | Standard Single Pass Duplex |
| DADF Capacity | | Approximately 150 sheets (LTR) |
| Engine Resolution | | Up to 1,200 x 1,200 dpi |
| Gradations | | 256 levels |
| Paper Size | Min | 5 1/2" x 7 1/8" |
| | Max | 12" x 18" |
| Paper Weight | Drawers | 14 lb bond to 80 lb cover (52 to 220 g/m ²) |
| | Multi-Purpose Tray | 14 lb bond to 140 lb index (52 to 256 g/m ²) |
| HDD Capacity | | Standard 160 GB, Maximum 1 TB |
| Printer Memory | | Standard 2 GB RAM, Maximum 2.5 GB RAM |
| Copy | | Standard |
| Store | Mail Box | Standard |
| | Advanced Box | Standard |
| | Memory Media Support | Standard (USB) |
| Print | UFR II | Standard |
| | PCL | Optional (w/PCL Printer Kit-AR1, imagePASS-B2, or ColorPASS-GX400) |
| | Direct Print | Standard (JPEG, TIFF), Optional (PDF, XPS ^{*1}) (w/PDF/XPS Direct Printer Kit-H1 or PS Printer Kit-AR1 (PDF only)) |
| | PostScript | Optional (w/PS Printer Kit-AR1, imagePASS-B2, or ColorPASS-GX400) |
| | imagePASS (Embedded) | Optional (w/imagePASS-B2) |
| | ColorPASS (Server) | Optional (w/ColorPASS-GX400) |
| Send | Universal Send | Standard |
| | PDF High Compression | Standard |
| | PDF Advanced Feature Set | Optional |
| | PDF Security Feature Set | Optional |
| | PDF Digital User Signature | Optional |
| Fax | Super G3 Fax | Optional (up to 4 lines w/Super G3 Fax Board) |
| Network | | Standard Ethernet 10/100/1000 Base-TX |
| Remote UI | | Standard |
| MEAP Capability | | Standard |
| Access Management System | | Standard |

*1 A user can only Direct Print XPS files from the Remote UI.

2.2 High-Resolution Imaging System for Copied and Printed Images

The imageRUNNER ADVANCE C5255 provides users with the next-generation high-resolution imaging system. This system renders images at a 1,200 x 1,200 dpi print resolution, which delivers the highest level of speed and image quality. Object-optimized imaging also helps to achieve superior print quality. Text and lines are processed with a high priority given to resolution, and images and graphics are processed with a high priority given to gradation. This high-resolution imaging system coupled with the Density Fine Adjustment mode, a feature that refines thin, fine text, and lines while the device is rendering images at 1,200 x 1,200 dpi, minimizes faint output and delivers quality prints.

2.3 Image Stabilization Control

The quality of printed images is affected by changes in the environment, such as temperature and humidity, in which the machine is installed. It is also affected by the deterioration of image formation parts through extended use. The imageRUNNER ADVANCE C5255 overcomes these issues, stabilizes image production, and maintains color consistency with features, such as Auto Gradation Adjustment and Real-Time Calibration.

2.3.1 Automatic Gradation Adjustment

Automatic Gradation Adjustment is a function that helps to automatically adjust toner density. A user can select the Quick Adjustment mode or Full Adjustment mode. The Quick Adjustment mode quickly and simply adjusts the gradation, density, and color by performing calibration without outputting test prints. The Full Adjustment mode performs a precise calibration by outputting and scanning test prints. For more information on the Automatic Gradation Adjustment modes, see "Adjustment/Maintenance," in the *Settings/Registration e-Manual* included with the machine.

2.3.2 Real-Time Calibration

Real-Time Calibration helps to maintain color consistency by making automatic, real-time adjustments during print runs. Density level measurements of cyan, magenta, yellow, and black toner are taken every 100 pages during a print job. The patches of each color are imaged on the ITB (Intermediate Transfer Belt), and sensors measure the density to adjust the toner gradation and density.

2.4 Professional Input/Output Accessories

The imageRUNNER ADVANCE C5255 features many robust input and output accessories that allow customers working in office environments to complete large jobs directly from the machine. For more information on the input and output accessories that can be attached to the machine, see ["Specifications,"](#) on p. 27.

Input Accessories

- Duplex Color Image Reader Unit-E1 (Standard)
- Cassette Feeding Unit-AD2
- Paper Deck Unit-B2

Finishing (Output) Accessories

- Inner Finisher-E1
- Staple Finisher-J1
- Booklet Finisher-J1
- External 2/3 Hole Puncher-B2
- Inner 2 Way Tray-F1
- Copy Tray-J1

2.5 Data Storage Capabilities

The imageRUNNER ADVANCE C5255 offers the following built-in storage methods with flexible linkage to external systems for storing scanned documents and accessing stored files.

- Mail Box
- Advanced Box
- Network
- Memory Media



IMPORTANT

- Canon U.S.A., Inc. is not responsible for any damages caused to user data that is stored on the hard disk drive of the machine. It is the customer's responsibility to create and maintain a data backup plan. Canon U.S.A., Inc. offers several security options to enhance user document handling and storage security needs. See "[System Options](#)," on p. 42.
- It is strongly recommended to back up the data stored on the hard disk drive.

2.5.1 Mail Box

The Mail Box is a data storage area that stores and handles files for printing.

The Mail Box function enables users to store files that are scanned with this machine, or data sent from a personal computer via the printer driver. The stored files can be printed anytime using the desired settings. Also, a user can convert the file format of the scanned documents into another format, such as TIFF, PDF, and JPEG, to send via e-mail or fax by using the Send function. A user can use up to 100 mail boxes and give a name or set a password for each mail box. In addition, various editing features are available, such as merging separately stored files into one file, and erasing unnecessary pages from a file.

2.5.2 Advanced Box

Advanced Box is a storage area in the machine that stores scanned documents and Microsoft Office files to be used on a user's computer. There are two types of storage in the Advanced Box: the Shared Space and the Personal Space.

Shared Folders

- An open access storage space. Ideal as a shared storage space by multiple users (for example, team, group, or department members).
- Subfolders can be created.
- Up to 1,000 files/folders (main and sub) can be saved in each level.

Personal Folders

- Access is restricted to the set user only. Authentication must be set up to enable a personal folder.
- Subfolders can be created.
- Up to 1,000 files/folders (main and sub) can be saved in each level.

A user can scan a document with this machine and store it in the PDF, JPEG, or TIFF file format, and also print the stored file on this machine at any time with their desired print settings.

The Advanced Box can be opened to the public as an SMB (Server Message Block) server or WebDAV (Distributed Authoring and Versioning) server. This enables a user to access the Advanced Box from their computer, and store and share files in their native format, such as MS Word, Excel, and PowerPoint. To view and print these native format files from the Advanced Box, a user must access them via their computer.

The standard storage space for the Advanced Box is approximately 15 GB. However, if a user installs the optional 2.5inch/1 TB HDD, a user can increase the Advanced Box storage capacity to approximately 629 GB.



IMPORTANT

It is strongly recommended to protect the Advanced Box folders from viruses. If a user's computer system has an antivirus system in place, add the Advanced Box folders to its list of folders to scan and protect.

2.5.3 Network

Press [Network] on the Scan and Store screen to select an Advanced Box of another machine (if it is on the accessible network of this machine) to store files, or print a file stored in another machine on this machine.

2.5.4 Memory Media

Memory Media is storage that can be used by attaching a USB memory stick to the USB port on the reader. A user can scan the document with this machine and store it in memory media in the PDF, JPEG, or TIFF file format, and also print the file stored in the memory media on this machine at any time with their desired print settings.

If the optional USB Device Port-E1 and Multimedia Reader/Writer-A2 are installed, a user can use an SD card, Memory Stick, Compact Flash card, and Microdrive. For more information, see ["USB Device Port-E1,"](#) on p. 51, and ["Multimedia Reader/Writer-A2,"](#) on p. 51.

2.6 Security Features

The imageRUNNER ADVANCE C5255 includes a comprehensive set of security features, such as Device Authentication, Data Security, Document Security, and Network Security.

2.6.1 Device Authentication

There are two ways to authenticate users at the device.

- **Department ID Management** – A user can register a Department ID and password for each department, and manage the machine by limiting its use to only those who enter the correct Department ID and password. Department IDs and passwords for up to 1,000 departments can be registered. Use Department ID Management to keep track of the copy, scan, and print totals for each department. A user can specify the following settings:
 - Turn Department ID Management 'On' or 'Off'.
 - Register the Department ID and password.
 - Set page limits for scans, prints, and copies.
 - Set whether to use Department ID Management for the Mail Box, Send, and Network Scan functions. If the Copy function is specified, it is automatically restricted when Department ID Management is set.
 - Set up copy, scan, and print restrictions.
- **SSO-H (Single Sign-On H)** - A user authentication system that enables the functions of the machine and MEAP applications to be used after being authenticated once. SSO-H has two compatible user authentication systems (Domain Authentication and Local Device Authentication). Domain Authentication is linked to a domain controller in a Windows Active Directory environment on a network. Local Device Authentication uses a database inside the machine to authenticate users. Administrators use one of these two systems or both at the same time. The Access Management System is a subset of the SSO-H authentication system.
- **Access Management System** - The standard AMS (Access Management System) allows system administrators to restrict various Copy, Print, Fax, Scan, Mail Box, and Send functions that each user can use. Once the AMS is activated, a Function Level Log-In can be used to authenticate users for specific machine features only. SSO-H must be activated to use the Log-In feature for the AMS.

2.6.2 Data Security

The imageRUNNER ADVANCE C5255 offers several ways to protect and secure a user's data. It is strongly recommended that a backup and security system is in place, along with an antivirus protection system on the user's computer to make sure that no data on the user's hard disk drives is lost, stolen, or compromised.

CAUTION

Canon U.S.A., Inc. is not liable for any damages resulting from the loss or corruption of data. (See page 5 for further details.)

- **Document Scan Lock Kit-B1** – The Document Scan Lock Kit-B1 embeds an invisible code over the entire surface of a printed document, which identifies which printer printed the document, and enables the user to track who printed the document. The Document Scan Lock system is tamper resistant, and if someone tries to copy the document, the Document Scan Lock system checks to see if the person has the proper permissions to reproduce it. A password may be required to enable the reproduction of the document. For more information on the Document Scan Lock Kit, see [“Document Scan Lock Kit-B1,”](#) on p. 48.

- **TPM (Trusted Platform Module)** - TPM is a standard security chip (tamper resistant hardware) installed in the imageRUNNER ADVANCE C5255. The TPM provides a facility for the secure generation of cryptographic keys, encrypts information stored on the internal HDD, and decrypts information read from the internal HDD. The public keys to encrypt confidential information are securely controlled by the TPM chip, and they can only be decrypted if the TPM releases the associated decryption key. If the HDD is removed from the machine, it will be difficult to retrieve data off that HDD since the encryption key for that data is stored in a separate location within the TPM.

CAUTION

Once the TPM setting is activated, if the end user fails to back up the TPM key, or if the end user loses the TPM key, it may result in permanent, unrecoverable data loss, for which Canon U.S.A., Inc. is not liable. (See page 5 for further details.)



IMPORTANT

- If the TPM setting is activated and the TPM chip fails, the confidential information stored on the chip can only be recovered if Canon's service representative replaces the TPM chip and restores the original TPM key to the new chip. Immediately, back up the TPM key on a USB memory stick, after the TPM setting is activated.
 - Only the Administrator of the machine can back up the TPM key.
 - For security reasons, the TPM key can only be backed up once. Store the USB memory with the backup data in a safe place.
 - For the back up of the TPM key, it is recommended that a USB memory stick (supported system file: FAT32) with free space of 10 MB or more is used.
 - The TPM seals the hardware components associated with the data, and the data cannot be accessed unless the specific TPM key is issued by the TPM chip. Therefore, setting the TPM mode to 'On,' may affect service procedures and service costs (if not handled properly). It is strongly recommended that the Administrator who has access to the TPM key be present for all service calls to prevent the loss of data and productivity of the machine.
-
- **Removable Hard Disk Drive Kit-AC1** - The optional Removable Hard Disk Drive Kit-AC1 provides the capability to physically remove the hard disk drive from the machine so it may be placed in a secured location. The hard disk drive can easily be removed for secure storage on a frequent basis, and can easily be reinstalled for normal machine use. This option provides another layer of data security for government agencies and corporate enterprises that need to ensure that data stored on the hard disk is physically secure when the machine is not in use. For more information on the Removable Hard Disk Drive Kit-AC1, see ["Removable Hard Disk Drive Kit-AC1,"](#) on p. 50.

- **HDD Data Encryption & Mirroring Kit-C1** - The optional HDD Encryption feature is another security tool available for environments requiring additional data security measures, and can be used in conjunction with the HDD Data Erase feature to provide even greater security for data stored on the internal HDD. The HDD encryption chip is Common Criteria Certified (EAL level 3), and applies 256-bit AES (Advanced Encryption Standard) encryption to all data prior to being written on the HDD. This adds an additional layer of security to files stored on the HDD. The Mirroring function provides redundancy when utilized with an additional hard disk drive of the same storage capacity. This preserves company data if one hard disk drive fails. For more information on the HDD Data Encryption & Mirroring Kit-C1, see [“HDD Data Encryption & Mirroring Kit-C1,”](#) on p. 49.

2.6.3 Document Security

The imageRUNNER ADVANCE C5255 offers several document security modes to protect printed and distributed documents.

- **PDF Visible Digital Signature** – The PDF Visible Signatures mode enables the user to view the device signature and user signature on a PDF file. Visible digital signatures and user signatures are displayed on the first page of the PDF file to account for the origin of the document. The system administrator of the machine can set the Visible Signatures mode for all PDF documents or certain PDF documents created on the machine. This mode differentiates from the Digital Signature mode in that instead of having to access digital signature information from the document properties from the File menu, this information is displayed prominently on the first page of the document in the background, and is printed along with the document data, thereby deterring improper distribution of sensitive documents.
- **Adobe LiveCycle Rights Management ES Server Integration** – Adobe LiveCycle enables Administrators to set automatic document privileges and apply security policies by creating Policy Protected PDF files on the machine, even after document creation, using the Adobe LiveCycle Rights Management ES Server. Once a Policy Protected PDF document is created on the machine with this feature enabled, the PDF extension in Adobe Reader, upon attempt by a user to open a protected PDF, contacts the Rights Management Server to check the latest authorized users, expiration, auditing, and watermarking policies set by the administrator. These latest policies are then enforced by that application to ensure the information in that document remains secure.



IMPORTANT

- To generate a PDF linked with Adobe LiveCycle Rights Management ES Server, the Adobe LiveCycle Rights Management ES Server must be licensed, pre-configured by a system administrator, and the machine must be connected to the Intranet or Internet.
- Encrypted PDF and PDF/A-1b documents are not compatible with Adobe LiveCycle Rights Management ES Server.

2.6.4 Network Security

The imageRUNNER ADVANCE C5255 secures network communications by using IP Address and MAC (Media Access Control) Address filters, encryption and authentication, and network port and application access control.

- **IP Address and MAC Address Filters** – IP Address Filter performs a function similar to many firewalls. It permits or rejects incoming packets from up to eight IP addresses or ranges of IP addresses. Also, IP address filters to outbound connections can be applied. For example, if such functions as Remote Copy and Universal Send are used, system administrators can block or restrict users from sending files to specific IP addresses. This helps to minimize the risk of data being sent out of the company to systems that are not trusted.

MAC Address Filter permits or rejects access for up to 100 MAC addresses. It is useful for environments that use DHCP (Dynamic Host Configuration Protocol) for IP address assignments. If DHCP leases expire and a new IP address is issued to a certain system, the filter can still identify the system's MAC address, and permit or reject access to the machine. MAC addresses can be easily added, edited, or deleted through the Remote UI. MAC Address Filter takes a higher priority than IP Address Filter, which prevents unknown systems from attacking the machine.

- **Encryption and Authentication** – SSL (Secure Sockets Layer) protects data transferred over the network by encrypting file names and formats. The System Administrator can also add IPSec capabilities to secure Internet Protocol (IP) communications from lower layer protocols, such as TCP (Transmission Control Protocol) and UDP (User Datagram Protocol) by authenticating and encrypting each IP packet of a data stream across the Internet.

Additionally, the imageRUNNER ADVANCE C5255 supports IEEE 802.1x, which provides port-based authentication. Authentication involves communications between a supplicant, authenticator, and authentication server. The supplicant is authentication software on a client device. The client device (the imageRUNNER ADVANCE C5255) needs the supplicant to provide credentials, such as user names/passwords or digital certificates, to the authenticator (a wireless access point). The authenticator then forwards the credentials to the authentication server (generally a RADIUS database) for verification. If the credentials are valid in the authentication server database, the client device is allowed to access resources located on the protected side of the network.

- **Network Port and Application Access Control** – Network Port and Application Access Control enables system administrators to set up only the necessary protocols, such as IPP, FTP, SNTP, SNMP, RAW, LPD, and others for transferring data. These protocols can be switched on or off. The administrator can also disable unneeded services, protocols, ports, and the potential paths of attack so that attacks on the machine can be minimized.

3. Machine Dimensions and Space Requirements

3.1 Dimensions

The following table includes the width, height, and depth dimensions (in inches and millimeters) of the main unit and optional accessories.

| Unit | Width | | Depth | | Height | |
|--|---------|--------|---------|--------|---------|----------|
| Main Unit w/Duplex Color Image Reader Unit-E1 | 24 3/8" | 620 mm | 28 1/8" | 715 mm | 37 3/8" | 950 mm |
| Cassette Feeding Unit-AD2 | 24 3/8" | 620 mm | 27 5/8" | 700 mm | 9 7/8" | 251 mm |
| Paper Deck Unit-B2 | 14 5/8" | 372 mm | 23 3/4" | 603 mm | 18 5/8" | 473 mm |
| Inner Finisher-E1^{*1} | 34 1/8" | 865 mm | 21 1/4" | 540 mm | 9 1/4" | 234 mm |
| Staple Finisher-J1^{*1} | 26 5/8" | 677 mm | 25 1/4" | 646 mm | 43 1/4" | 1,097 mm |
| Booklet Finisher-J1^{*1} | 31 1/8" | 789 mm | 25 1/2" | 646 mm | 43 1/4" | 1,097 mm |
| External 2/3 Hole Puncher-B2 | 4 1/4" | 107 mm | 24 1/4" | 615 mm | 36.0" | 915 mm |
| Envelope Feeder Attachment-D1 | 17 1/4" | 439 mm | 12 1/8" | 307 mm | 3 1/4" | 81 mm |
| Inner Finisher Additional Tray-A1 | 8 1/8" | 207 mm | 17 3/4" | 450 mm | 2 1/4" | 57 mm |
| Inner 2 Way Tray-F1 | 16 3/4" | 426 mm | 16.0" | 407 mm | 3.0" | 76 mm |
| Copy Tray-J1^{*1} | 14 3/8" | 365 mm | 14 3/4" | 373 mm | 5 5/8" | 144 mm |
| Buffer Pass Unit-G1 | 19 1/4" | 489 mm | 19 3/8" | 493 mm | 7 1/4" | 184 mm |
| Copy Card Reader-F1^{*2} | 3 1/2" | 88 mm | 3 3/4" | 96 mm | 1 5/8" | 40 mm |

*1 The auxiliary tray is extended.

*2 The attachment kit and cable are not included.

3.2 Weight

The weights of the main unit, feeder, and finishing options (in pounds and kilograms) are listed in the table below.

| Unit | Weight | |
|--|---------------|--------|
| Main Unit w/Duplex Color Image Reader Unit-E1 | 337 lb | 153 kg |
| Cassette Feeding Unit-AD2 | 61.7 lb | 28 kg |
| Paper Deck Unit-B2 | 81.6 lb | 37 kg |
| Inner Finisher-E1^{*1} | 28.7 lb | 13 kg |
| Staple Finisher-J1 | 101 lb | 46 kg |
| Booklet Finisher-J1 | 165 lb | 75 kg |
| External 2/3 Hole Puncher-B2 | 15.9 lb | 7.2 kg |
| Envelope Feeder Attachment-D1 | 2.6 lb | 1.2 kg |
| Inner Finisher Additional Tray-A1 | 3.1 lb | 1.4 kg |
| Inner 2 Way Tray-F1 | 1.3 lb | 574 g |
| Copy Tray-J1 | 1 lb | 438 g |
| Buffer Pass Unit-G1 | 8.8 lb | 4 kg |
| Copy Card Reader-F1^{*2} | 7.1 oz | 200 g |

*1 When the optional Inner Finisher Additional Tray-A1 is attached.

*2 The attachment kit and cable are included.

3.3 Installation and Service Space

The installation site must provide enough space for unrestricted operation, maintenance work, and proper ventilation. The machine dimensions are in diagrams on the following pages. Every attempt should be made to install the equipment in a room that allows for the proper servicing and maintenance of the equipment, and ensures that issues, such as ventilation, odors, and dust accumulation are not a concern.

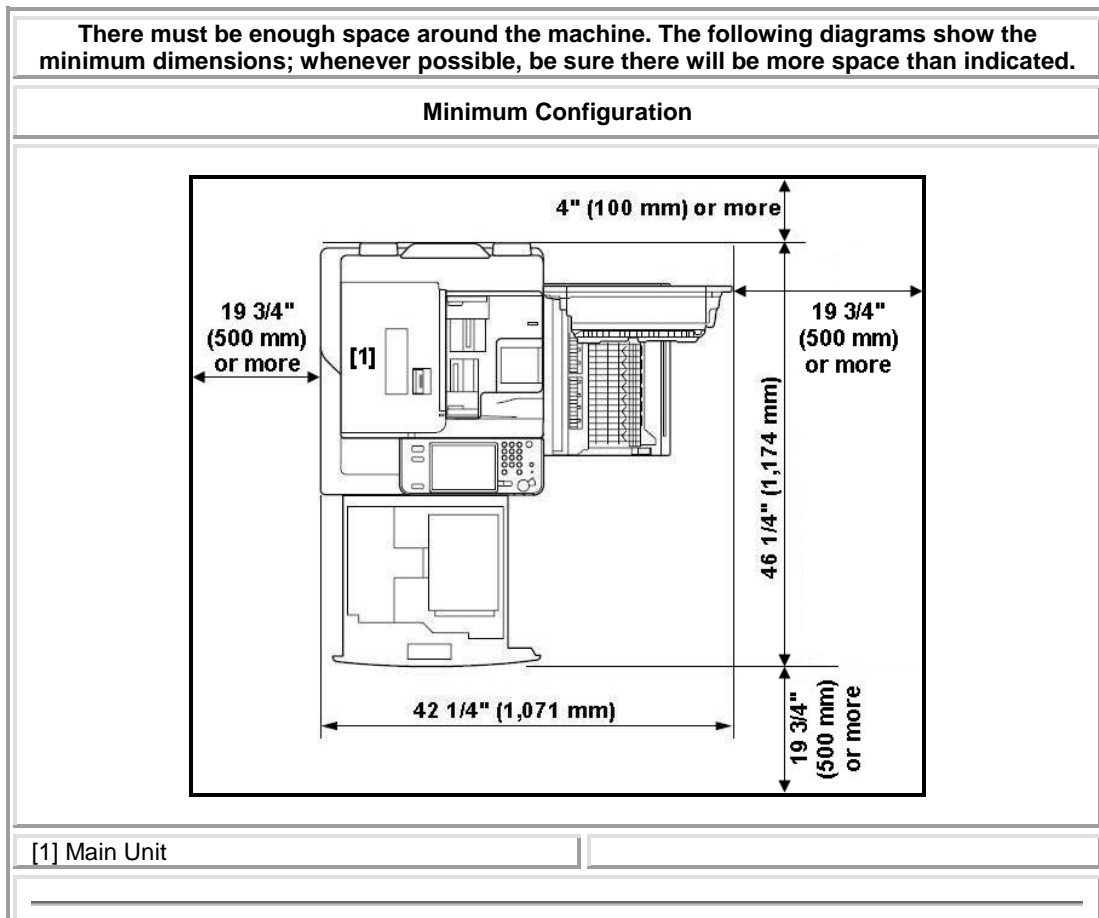


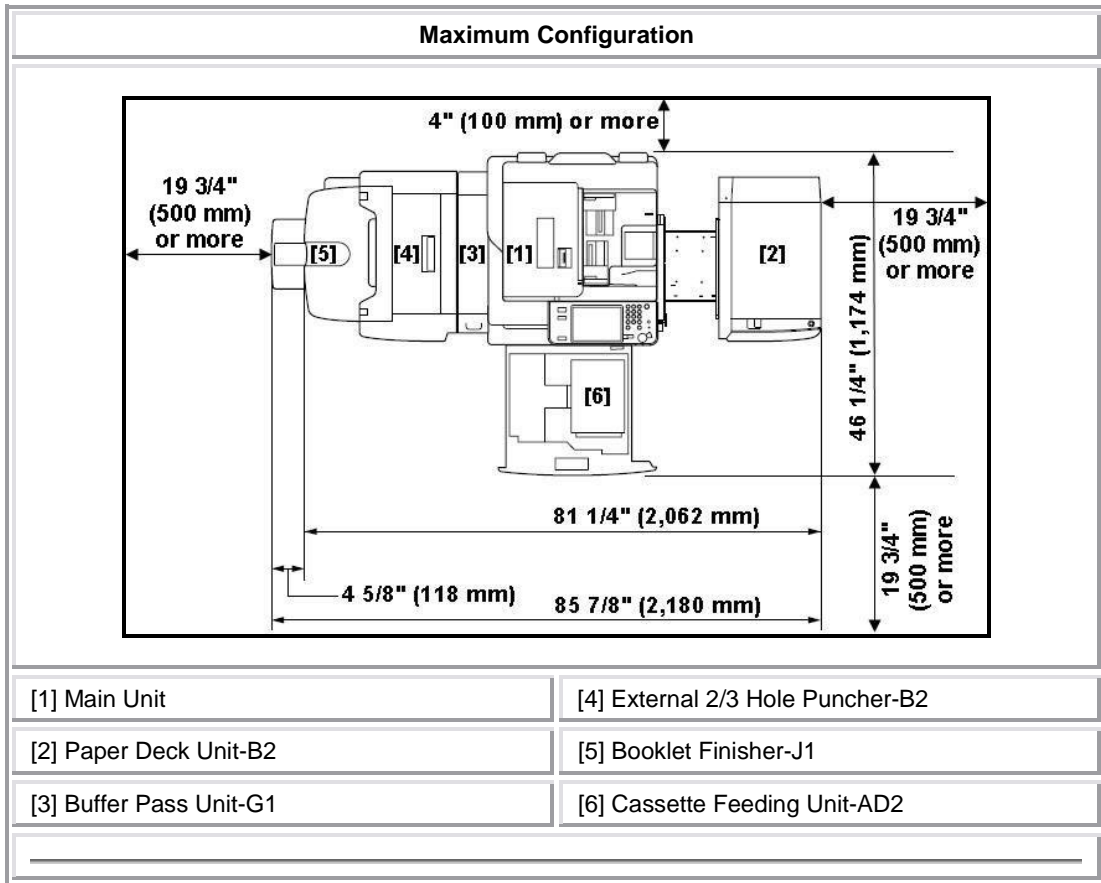
IMPORTANT

- Keep the back of the machine at least 4" (100 mm) away from a wall, and make sure that approximately 19 3/4" (500 mm) of space is left around the front, left, and right sides of the machine for the proper servicing of the equipment.
- The floor must be level (with no bows) and flat for the stabilization and support of the machine.
- The minimum doorway opening that the machine passes through prior to installation must be at least 36" wide.

3.3.1 Installation Space Diagrams

The approximate installation space requirements may differ, depending on how the machine is configured and the optional accessories attached.



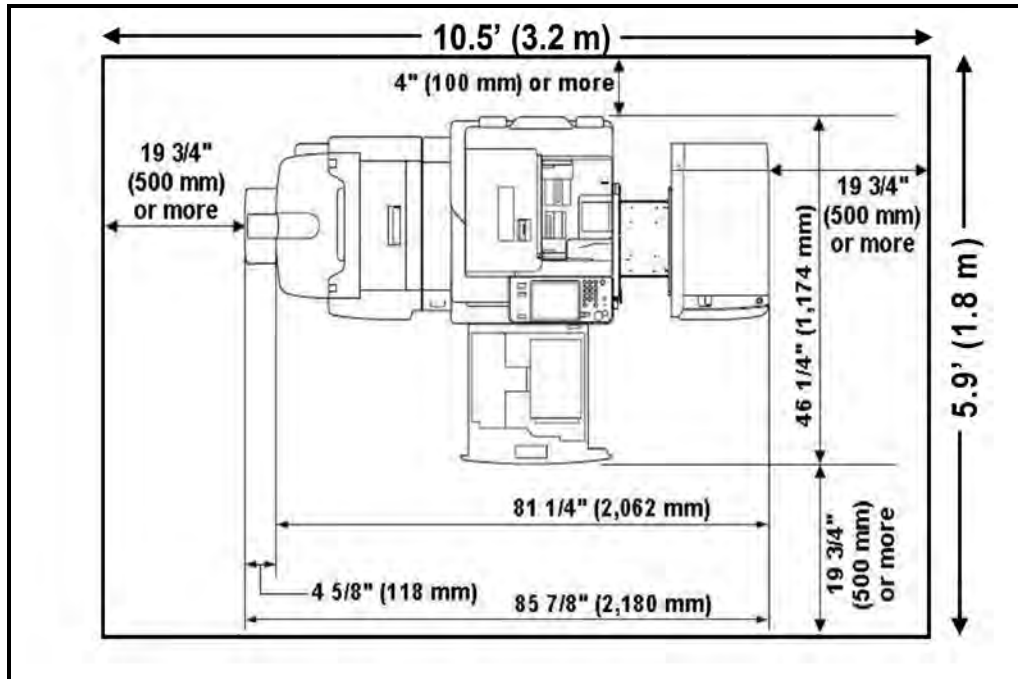


IMPORTANT

- The maximum configuration (fully configured machine) includes the Duplex Color Image Reader Unit-E1, Paper Deck Unit-B2, Buffer Pass Unit-G1, External 2/3 Hole Puncher-B2, Booklet Finisher-J1, and Cassette Feeding Unit-AD2.
- The fully configured width of the machine includes opening space for the extended tray of the Booklet Finisher-J1.

3.4 Recommended Floor Space Requirements

For a fully configured imageRUNNER ADVANCE C5255, it is recommended that there be at least 10.5' (W) x 5.9' (D) of floor space.



IMPORTANT

- The imageRUNNER ADVANCE C5255 was created to be modular in design. A user's floor space, budget, monthly copy/print volume, and applications will determine which configuration will work best for the user.
- A user can attach either the optional Staple Finisher-J1 or Booklet Finisher-J1 to the machine.

3.5 Floor Structure Requirements

The floor on which this machine is installed must have strength of at least 61.5 lb/ft² (300 kg/m²).

The weight of the machine is distributed on the floor through the adjusters and wheels. Do not install the machine on an unstable floor or platform.

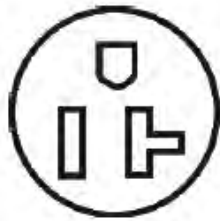
3.6 Network Interface Connectivity

Standard 10/100/1000Base-TX Ethernet interface jack (RJ-45) for device installation, monitoring, Mail Box and Advanced Box access via the Remote UI, ship standard with all configurations.

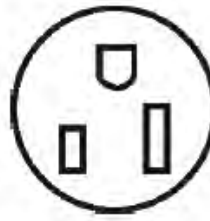
Standard support for up to two USB 2.0 High-Speed interface ports ships standard with all configurations. One USB port is on the reader and can be used for scanning, printing, or direct printing from a USB memory stick. One USB port is on the rear of the machine, and can only be used to attach a USB keyboard, third-party card reader, direct printing, or for servicing the machine.

4. Power/Electrical Requirements

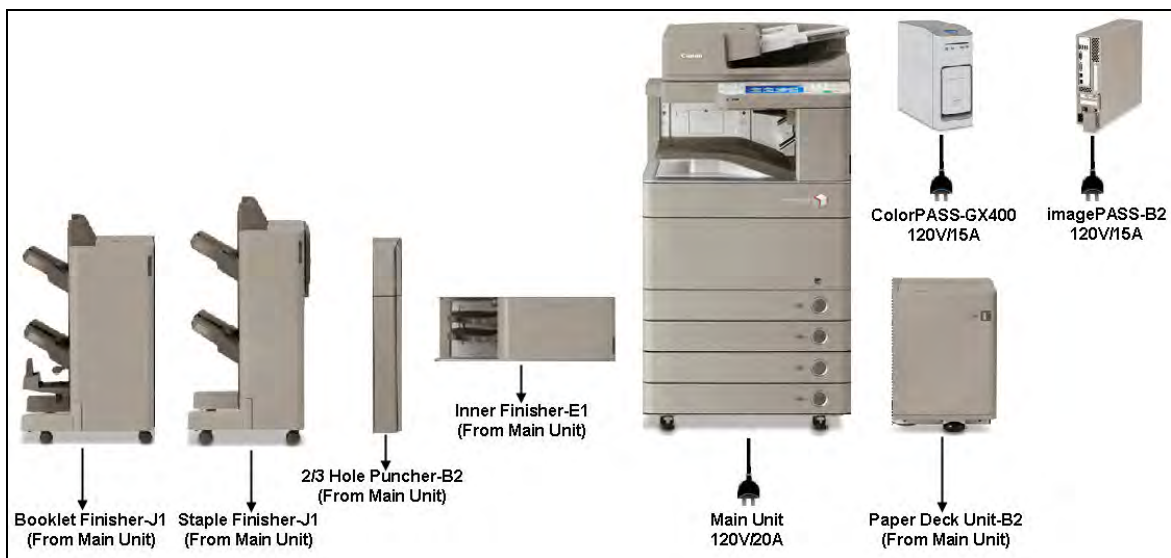
The imageRUNNER ADVANCE C5255 requires a NEMA 5-20 receptacle for the main unit. The optional ColorPASS-GX400 or imagePASS-B2 requires a separate 120 V/15 A NEMA 5-15 receptacle.



NEMA 5-20 Receptacle



NEMA 5-15 Receptacle



IMPORTANT

- We recommend an additional standard 120 V/15 A receptacle for service tools, such as a laptop computer or vacuum that may be used when servicing or configuring the machine.
- Use only dedicated and properly grounded receptacles for the main unit and ColorPASS-GX400 or imagePASS-B2. It is also strongly suggested to use dedicated and properly grounded receptacles for each optional accessory. Do not use extension cords. The ground connection serves to provide the internal electronics with a reference voltage. Faulty or poor ground sources will cause this reference voltage to fall into a range that no longer serves as a reliable reference voltage. The internal logic and programming of the imageRUNNER ADVANCE C5255 will not perform reliably because there is an insufficient difference between the internal operating signal voltages and the poor ground reference signal. A qualified electrician can measure and provide the ground source that the imageRUNNER ADVANCE C5255 or any computer controlled office equipment requires.
- Before installation, confirm that all necessary receptacles are available for the machine configuration.

5. Environmental Factors and Requirements

This section describes the necessary environmental factors and requirements in which the machine should be operated to achieve the best image quality and print results.



NOTE

It may be necessary to use a humidifier or dehumidifier to attain the proper humidity levels for optimal machine performance.

5.1 Temperature and Humidity Conditions

The optimal humidity range is 25% to 75% RH (Relative Humidity) with a room temperature of 59°F to 77°F (15°C to 25°C).

The machine contains intelligent technology that can sense the environmental temperature, and optimize its performance if operated outside the temperature range. However, productivity, paper feeding, and image quality may be affected if the machine is operated outside of these guidelines.

The machine should not be installed in locations with significant shifts in temperature or humidity. Areas containing water, or equipment that can significantly alter room temperature or humidity, such as a heater, stove, or portable air conditioner, should be avoided, unless proper environmental control is available to achieve maximum productivity or quality capability.

The optimal humidity range for storing paper is 30% to 70% RH (Relative Humidity) with a room temperature of 68°F to 80.6°F (20°C to 27°C). Storing paper in a location that does not meet these specifications may affect paper feeding and image quality. For example, if the humidity is too high, paper curling and paper jams will increase. If the humidity is too low, paper may shrink or lose resistance, and toner will not adhere to the paper as well.

5.2 Temperature Gradient

Using an air conditioner during the winter, or if a sudden temperature change occurs, may have an adverse affect on image positioning. Sudden temperature changes may cause the paper to bend or contract, cause the machine to malfunction, and form condensation. To avoid these issues, control the temperature gradient so that temperature fluctuations do not exceed 18°F per hour or 10°C per hour.

5.3 Ventilation

Ensure that there is an air exchange rate of at least 1.5 times per hour, and at least 3,885 ft³ (110 m³) of space in the location where the machine will be installed.

5.4 Elevation Limitations

Install this machine at an elevation below 13,123' (4,000 m) and at an air pressure between 810.6 to 1,013 hPa (0.8 to 1.0 atm).

5.5 Lighting

We recommend installing the machine in a location with at least 500 lux (29 1/2" (75 cm) above the floor) for normal operation and maintenance.

5.6 Sunlight

Avoid installing the machine in direct sunlight. Direct sunlight has adverse effects on toner consistency and image quality. If direct sunlight is unavoidable, use curtains to shade the machine. Be sure that the curtains do not block the machine's ventilation slots or louvers, or interfere with the electrical cord or power supply.

5.7 Ammonia

Avoid installing the machine where ammonia is emitted. In a sufficient amount, ammonia will attack the surfaces of the machine's paper feed and image quality components, thereby shortening their useful life and increasing the need for periodic and remedial maintenance.

A professional assessment of the air quality in the room in which the machine is to be installed is recommended prior to its installation.

6. Specifications

This chapter explains the specifications and any productivity impacts involving the main unit and optional accessories.

Specifications are subject to change without notice for product improvement or future release.

6.1 Main Unit

| Item | Specifications |
|------------------------------|--|
| Name | Canon imageRUNNER ADVANCE C5255 |
| Type | Desktop |
| Developing System | Dry Dual Component Toner Projection |
| Color Supported | Full Color |
| Engine Resolution | Up to 1,200 dpi x 1,200 dpi |
| Number of Gradations | 256 |
| Memory | 2GB RAM (Standard), 2.5 GB (Maximum) |
| Hard Disk | 160 GB (Standard), 1 TB (Maximum) |
| Paper Weight and Type | <p>Paper Drawers:</p> <p>Weight: 14 lb bond to 80 lb cover (52 to 220 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Transparency, Tab, Letterhead, and Envelopes</p> <p>Multi-Purpose Tray:</p> <p>Weight: 14 lb bond to 140 lb index (52 to 256 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Heavy 3, Tracing, Coated, Labels, Transparency, Tab, Letterhead, and Envelopes</p> <p>^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 62.</p> |
| Paper Size | <p>Paper Drawer 1: LGL, LTR, LTRR, STMTR, EXEC, and Custom Size (5 1/2" x 7 1/8" to 12" x 15 3/8" (139.7 mm x 182 mm to 304.8 mm x 390 mm))</p> <p>Paper Drawer 2: 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Custom Size (5 1/2" x 7 1/8" to 12" x 18" (139.7 mm x 182 mm to 304.8 mm x 457.2 mm)), Envelopes</p> <p>Multi-Purpose Tray: 12 5/8" x 17 11/16", 12" x 18", 11" 17", LGL, LTR, LTRR, STMT, STMTR, EXEC, and Custom Size (3 7/8" x 5 1/2" to 12 5/8" x 18" (99 mm x 139.7 mm to 320 mm x 457.2 mm)), Envelopes</p> |

Main Unit Table Continued

| Item | Specifications | | |
|--|---|--------------------------------|--------------------------------|
| Margin | Top Margin: 1/8" (2.5 mm) Left and Right Margins: 1/8" (2.5 mm) Bottom Margin: 1/8" (2.5 mm) | | |
| Warm-Up Time | After Powering ON: Up to 31 seconds Returning from the Sleep mode: Up to 18 seconds Quick Startup Mode: Up to 7 seconds Activation time may vary, depending on the conditions under which the machine is being used. | | |
| First Copy Output Time | Full Color: Up to 6.0 seconds Black-and-White: Up to 3.9 seconds | | |
| Copy Speed (20 lb bond (80 g/m²)) (Except When paper Is Fed from the Multi-Purpose Tray) | Direct | Full Color | Black-and-White |
| | 12" x 18" | Approximately 20 sheets/minute | Approximately 20 sheets/minute |
| | 11" x 17" | Approximately 26 sheets/minute | Approximately 28 sheets/minute |
| | LGL | Approximately 26 sheets/minute | Approximately 28 sheets/minute |
| | LTR | Approximately 51 sheets/minute | Approximately 55 sheets/minute |
| | LTRR | Approximately 26 sheets/minute | Approximately 28 sheets/minute |
| | STMTR | Approximately 10 sheets/minute | Approximately 10 sheets/minute |
| EXEC | Approximately 13 sheets/minute | Approximately 13 sheets/minute | |
| Paper Feeding System/ Capacity | Paper Drawers: 550 sheets x 2 cassettes (20 lb bond (80 g/m ²)) Multi-Purpose Tray: 100 sheets (20 lb bond (80 g/m ²)) | | |
| Multiple Copies | 1 to 999 sheets | | |
| Operating Noise | Up to 75 dB | | |
| Ozone Emissions | Up to 0.01 ppm (parts per million) | | |
| Power Source | 120-127 V AC, 60 HZ, 16 A | | |
| Power Consumption | Maximum: Approximately 1.8 kW Sleep Mode: Approximately 0.8 W Main Power Turned Off: Quick Startup Settings for Main Power is set to 'Off': Approximately 0.19 W Quick Startup Settings for Main Power is set to 'On': Approximately 0.45 W | | |
| Dimensions (H x W x D) | Main Unit With the Duplex Color Image Reader Unit-E1: 37 3/8" x 24 3/8" x 28 1/8" (950 mm x 620 mm x 715 mm) | | |
| Weight | Main Unit With the Duplex Color Image Reader Unit-E1: Approximately 337 lb (153 kg) | | |
| Installation Space (W x D) | 33 1/2" x 28 1/8" (850 mm x 715 mm) (When the Multi-Purpose Tray is extended) | | |

6.2 Duplex Color Image Reader Unit-E1

| Item | Specifications |
|-------------------------------------|---|
| Original Feeding Mechanism | Single Pass Duplex Automatic Document Feeder |
| Size and Weight of Originals | 11" x 17", LGL, LTR, LTRR, STMT, or STMTR 1-Sided Scanning: 11 lb bond to 58 lb cover (42 to 157 g/m ²) 2-Sided Scanning: 13 lb bond to 58 lb cover (50 to 157 g/m ²) |
| Original Tray Capacity | 150 sheets (20 lb bond (80 g/m ²)) |
| Original Scanning Speed | Copying: LTR in the Black-and-White mode at 600 dpi: 1-sided scanning: Up to 75 sheets/minute 2-sided scanning: Up to 37.5 sheets/minute LTR in the Full Color mode at 600 dpi: 1-sided scanning: Up to 51 sheets/minute 2-sided scanning: Up to 25.5 sheets/minute Scanning (LTR in the Black-and-White and Full Color Modes at 300 dpi): 1-sided scanning: Up to 75 sheets/minute 2-sided scanning: Up to 60 sheets/minute |
| Resolution for Reading | Up to 600 dpi x 600 dpi |
| Acceptable Originals | Sheet, book, three dimensional objects (up to 4.4 lb (2 kg)) |
| Magnification | Regular paper size: Same Ratio 1:1 Reduction 1:0.78 (LGL → LTR) 1:0.73 (11" x 17" → LGL, 11" x 15" → LTR) 1:0.64 (11" x 17" → LTR) 1:0.50 (11" x 17" → STMT) 1:0.25 Enlargement 1:1.21 (LGL → 11" x 17") 1:1.29 (LTR → 11" x 17") 1:2.00 (STMT → 11" x 17") 1:4.00 Copy Ratio: 25 to 400% (in 1% increments) |
| Power Source | From the main unit. |
| Maximum Power Consumption | Approximately 120 W |
| Dimensions (H x W x D) | 6 1/8" x 22 1/4" x 20 7/8" (155 mm x 565 mm x 530 mm) |
| Weight | Approximately 31.1 lb (14.1 kg) |

6.3 Cassette Feeding Unit-AD2

| Item | Specifications |
|----------------------------------|--|
| Paper Sizes | 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Custom Size (5 1/2" x 7 1/8" to 12" x 18" (139.7 mm x 182 mm to 304.8 mm x 457 mm)) |
| Paper Drawer Capacity | 550 sheets x 2 cassettes (20 lb bond (80 g/m ²)) |
| Paper Weight and Type | Weight: 14 lb bond to 80 lb cover (52 to 220 g/m ²) Type: ^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, and Transparency ^{*1} For detailed supported paper weights, see " Media Feed Locations. " on p. 62. |
| Power Source | From the main unit. |
| Maximum Power Consumption | Approximately 30 W |
| Dimensions (H x W x D) | 9 7/8" x 24 3/8" x 27 5/8" (251 mm x 620 mm x 700 mm) |
| Weight | Approximately 61.7 lb (28 kg) |

6.4 Paper Deck Unit-B2

| Item | Specifications |
|---|---|
| Paper Size | LTR |
| Paper Weight | Weight: 14 lb bond to 60 lb cover (52 to 163 g/m ²) Type: ^{*1} Thin, Plain Paper 1, Plain Paper 2, Color, Recycled, Pre-Punched, Bond, Heavy Paper 1, and Letterhead ^{*1} For detailed supported paper weights, see " Media Feed Locations. " on p. 62. |
| Paper Deck Capacity | 3,000 sheets (17 lb bond (64 g/m ²)) 2,700 sheets (20 lb bond (80 g/m ²)) |
| Power Source | From the main unit. |
| Maximum Power Consumption | Approximately 45 W |
| Dimensions (H x W x D) | 18 5/8" x 14 5/8" x 23 3/4" (473 mm x 372 mm x 603 mm) |
| Weight | Approximately 81.6 lb (37 kg) |
| Installation Space Including the Main Unit (W x D) | 39 1/8" x 28 1/8" (992 mm x 715 mm) |

6.5 Envelope Feeder Attachment-D1



IMPORTANT

- The Envelope Feeder Attachment-D1 can only be installed in Paper Drawer 2.
- Installation of the envelope feeder attachment does not require restarting the machine. However, if the envelope feeder attachment is removed, the machine must be restarted. Otherwise, image quality and print speed issues may occur.

| Item | Specifications |
|-------------------------------|--|
| Acceptable Envelopes | COM10, Monarch, DL, ISO-C5 |
| Capacity | 50 envelopes (or 1/5" (30 mm) in height) |
| Feeding Speed | 10 cpm |
| Dimensions (H x W x D) | 3 1/4" x 17 1/4" x 12 1/8" (81 mm x 439 mm x 307 mm) |
| Weight | Approximately 2.6 lb (1.2 kg) |

6.6 Inner Finisher-E1

| Item | Specifications |
|--|--|
| Paper Size/Weight/Type | <p>Size: 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC, Custom Size (3 7/8" x 5 9/16" to 12 5/8" x 18" (99 mm x 139.7 mm to 320 mm x 457 mm)), and Envelopes</p> <p>Weight: 14 lb bond to 140 lb index (52 to 256 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Heavy 3, Tracing, Coated, Labels, Transparency, Letterhead, and Envelopes</p> <p>*1 For detailed supported paper weights, see "Media Feed Locations." on p. 62.</p> |
| Capacity Per Tray (Standard Tray) | <p>No Collating, Collate, or Group Mode</p> <p>When the Inner Finisher Additional Tray-A1 Is Not Attached: 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC: 500 sheets (or 2 1/2" (62.5 mm) in height)</p> <p>When the Inner Finisher Additional Tray-A1 Is Attached: 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC: 200 sheets (or 1" (25 mm) in height)</p> <p>No Collating, Collate, or Group Mode with Different Paper Sizes</p> <p>200 sheets (or 1" (25 mm) in height))</p> <p>Collate (Shift) or Group (Shift) Mode</p> <p>12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 200 sheets (or 2 1/2" (62.5 mm) in height)</p> <p>When the Inner Finisher Additional Tray-A1 Is Not Attached: LTR, STMT, STMTR, EXEC: 500 sheets (or 2 1/2" (62.5 mm) in height)</p> <p>When the Inner Finisher Additional Tray-A1 Is Attached: LTR, STMT, STMTR, EXEC: 200 sheets (or 1" (25 mm) in height)</p> <p>Staple Mode</p> <p>LTR: 30 sets (or 2 1/2" (62.5 mm) in height)</p> <p>11" x 17", LGL, LTRR, EXEC: 30 sets (or 1" (25 mm) in height)</p> <p>Staple Mode with Different Paper Sizes</p> <p>30 sets (or 1" (25 mm) in height)</p> |

Inner Finisher-E1 Table Continued

| Item | Specifications |
|--|--|
| Capacity Per Tray (Inner Finisher Additional Tray-A1) | <p>No Collating, Collate, or Group Mode:</p> <p>12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC: 100 sheets (or 1/2" (12.5 mm) in height)</p> <p>No Collating, Collate, or Group Mode with Different Paper Sizes:</p> <p>100 sheets (or 1/2" (12.5 mm) in height)</p> <p>Staple Mode:</p> <p>11" x 17", LGL, LTR, LTRR, EXEC: 3/8" (8.1 mm) in height</p> <p>Staple Mode with Different Paper Sizes: 15 sets or (3/8" (8.1 mm) in height)</p> |
| Maximum Stapling Capacity/Available Staple Size | <p>LTR, EXEC:</p> <ul style="list-style-type: none"> 50 sheets (14 to 21 lb bond (52 to 81 g/m²)) 30 sheets (22 to 28 lb bond (82 to 105 g/m²)) 2 sheets (29 lb bond to 140 lb index (106 to 256 g/m²)) <p>11" x 17", LGL, LTRR:</p> <ul style="list-style-type: none"> 30 sheets (14 to 21 lb bond (52 to 81 g/m²)) 20 sheets (22 to 28 lb bond (82 to 105 g/m²)) 2 sheets (29 lb bond to 140 lb index (106 to 256 g/m²)) <p>Corner Staple and Double Staple Sizes: LTR, EXEC, 11" x 17", LGL, LTRR</p> |
| Power Source | From the main unit. |
| Maximum Power Consumption | Approximately 40 W |
| Dimensions (H x W x D) | 9 1/4" x 34 1/8" x 21 1/4" (234 mm x 865 mm x 540 mm) (When the auxiliary tray is extended.) |
| Weight | Approximately 28.7 lb (13 kg) (When the optional Inner Finisher Additional Tray-A1 is attached.) |
| Installation Space Including the Main Unit (W x D) | 43 1/8" x 28 1/8" (1,095 mm x 715 mm) (When the multi-purpose tray and auxiliary tray are extended.) |

6.7 Staple Finisher-J1

| Item | Specifications |
|-------------------------------|--|
| Paper Size/Weight/Type | <p>Size: 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC, and Custom Size (3 7/8" x 5 9/16" to 12 5/8" x 18" (99 mm x 139.7 mm to 320 mm x 457 mm)), and Envelopes</p> <p>Weight: 14 lb bond to 140 lb index (52 to 256 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Heavy 3, Tracing, Coated, Labels, Transparency, Letterhead, and Envelopes</p> <p>^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 62.</p> |

Staple Finisher-J1 Table Continued

| Item | Specifications |
|---|---|
| <p>Capacity Per Tray (Upper Output Tray)</p> | <p>No Collating, Collate, or Group Mode LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>No Collating, Collate, or Group Mode with Different Paper Sizes 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Collate (Shift) or Group (Shift) Mode LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode LTR, EXEC: 1,300 sheets/30 sets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode with Different Paper Sizes 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> |
| <p>Capacity Per Tray (Lower Output Tray)</p> | <p>No Collating, Collate, or Group Mode LTR, STMTR, EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>No Collating, Collate, or Group Mode with Different Paper Sizes 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Collate (Shift) or Group (Shift) Mode LTR, STMTR, EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode LTR, EXEC: 1,700 sheets/30 sets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode with Different Paper Sizes 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> |

Staple Finisher-J1 Table Continued

| Item | Specifications |
|---|---|
| Maximum Stapling Capacity/Available Staple Size | <p>LTR, EXEC: 50 sheets (14 to 21 lb bond (52 to 81 g/m²)) 30 sheets (22 to 28 lb bond (82 to 105 g/m²)) 2 sheets (29 lb bond to 140 lb index (106 to 256 g/m²))</p> <p>11" x 17", LGL, LTRR: 30 sheets (14 to 21 lb bond (52 to 81 g/m²)) 20 sheets (22 to 28 lb bond (82 to 105 g/m²)) 2 sheets (29 lb bond to 140 lb index (106 to 256 g/m²))</p> <p>Corner Staple and Double Staple Sizes: 11" x 17", LGL, LTR, LTRR, EXEC</p> |
| Power Source | From the main unit. |
| Maximum Power Consumption | Approximately 100 W |
| Dimensions (H x W x D) | 43 1/4" x 26 5/8" x 25 1/2" (1,097 mm x 677 mm x 646 mm) (When the auxiliary tray is extended.) |
| Weight | Approximately 101 lb (46 kg) |
| Installation Space Including the Main Unit (W x D) | <p>60 1/8" x 28 1/8" (1,527 mm x 715 mm) (When the multi-purpose tray and auxiliary tray are extended.)</p> <p>64 3/8" x 28 1/8" (1,634 mm x 715 mm) (When the optional External 2/3 Hole Puncher-B2 is attached, and the multi-purpose tray and auxiliary tray are extended.)</p> |

6.8 Booklet Finisher-J1

| Item | Specifications |
|-------------------------------|--|
| Paper Size/Weight/Type | <p>Size: 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC, and Custom Size (3 7/8" x 5 9/16" to 12 5/8" x 18" (99 mm x 139.7 mm to 320 mm x 457 mm)), and Envelopes</p> <p>Weight: 14 lb bond to 140 lb index (52 to 256 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Heavy 3, Tracing, Coated, Labels, Transparency, Letterhead, and Envelopes</p> <p>^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 62.</p> |

Booklet Finisher-J1 Table Continued

| Item | Specifications |
|---|---|
| <p>Capacity Per Tray (Upper Output Tray)</p> | <p>No Collating, Collate, or Group Mode LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>No Collating, Collate, or Group Mode with Different Paper Sizes 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Collate (Shift) or Group (Shift) Mode LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode LTR, EXEC: 1,300 sheets/30 sets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode with Different Paper Sizes 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> |
| <p>Capacity Per Tray (Lower Output Tray)</p> | <p>No Collating, Collate, or Group Mode LTR, STMTR, EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>No Collating, Collate, or Group Mode with Different Paper Sizes 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Collate (Shift) or Group (Shift) Mode LTR, STMTR, EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode LTR, EXEC: 1,700 sheets/30 sets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode with Different Paper Sizes 650 sheets/30 sets (or 3 3/4" (96 mm) in height)</p> |

Booklet Finisher-J1 Table Continued

| Item | Specifications |
|--|--|
| Maximum Stapling Capacity/ Available Staple Size | LTR, EXEC: 50 sheets (14 to 21 lb bond (52 to 81 g/m ²)) 30 sheets (22 to 28 lb bond (82 to 105 g/m ²)) 2 sheets (29 lb bond to 140 lb index (106 to 256 g/m ²)) 11" x 17", LGL, LTRR: 30 sheets (14 to 21 lb bond (52 to 81 g/m ²)) 20 sheets (22 to 28 lb bond (82 to 105 g/m ²)) 2 sheets (29 lb bond to 140 lb index (106 to 256 g/m ²)) Corner Staple and Double Staple Sizes: 11" x 17", LGL, LTR, LTRR, EXEC |
| Maximum Saddle Stitch Capacity/Available Saddle Stitch Size | Saddle Stitch: 16 sheets (14 to 20 lb bond (52 to 80 g/m ²)) 10 sheets (16 to 22 lb bond (82 to 105 g/m ²)) Saddle Folding: 1 sheet (14 lb bond to 140 lb index (52 to 256 g/m ²)) Size: 12" x 18", 11" x 17", LGL, LTRR |
| Power Source | From the main unit. |
| Maximum Power Consumption | Approximately 123 W |
| Dimensions (H x W x D) | 43 1/4" x 31 1/8" x 25 1/2" (1,097 mm x 789 mm x 646 mm) (When the auxiliary tray is extended.) |
| Weight | Approximately 165 lb (75 kg) |
| Installation Space Including the Main Unit (W x D) | 64 1/2" x 28 1/8" (1,639 mm x 715 mm) (When the multi-purpose tray and auxiliary tray are extended.) 68 3/4" x 28 1/8" (1,745 mm x 715 mm) (When the optional External 2/3 Hole Puncher-B2 is attached, and the multi-purpose tray and auxiliary tray are extended.) |

6.9 External 2/3 Hole Puncher-B2

| Item | Specifications |
|---|--|
| Paper Size/Weight/Type | <p>Size: 11" x 17", LGL, LTR, LTRR</p> <p>Weight: 14 lb bond to 140 lb index (52 to 256 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Bond, Heavy 1, Heavy 2, Heavy 3, Coated, and Letterhead</p> <p>^{*1} For detailed supported paper weights, see "Media Feed Locations," on p. 62.</p> |
| Punch Hole Quantity, Hole Diameter | <p>Two Holes: 3/8" (8 mm)</p> <p>Three Holes: 3/8" (8 mm)</p> |
| Distance between Punch Holes | <p>Two Holes: 2 3/4" (70 mm)</p> <p>Three Holes: 4 1/4" (108 mm)</p> |
| Paper Size in Which Holes Can be Punched | <p>Two Holes: LGL and LTRR</p> <p>Three Holes: 11" x 17" and LTR</p> |
| Punch Waste Tray Capacity | <p>Two Holes: 10,000 sheets (21 lb bond (80 g/m²))</p> <p>Three Holes: 3,000 sheets (21 lb bond (80 g/m²))</p> |
| Power Source | From the main unit. |
| Dimensions (H x W x D) | 36" x 4 1/4" x 24 1/4" (915 mm x 107 mm x 615 mm) |
| Weight | Approximately 15.9 lb (7.2 kg) |

6.10 Inner Finisher Additional Tray-A1

| Item | Specifications |
|-------------------------------|--|
| Paper Size/Weight/Type | <p>Size: 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC, Custom Size (3 7/8" x 5 9/16" to 12 5/8" x 18" (99 mm x 139.7 mm to 320 mm x 457 mm)), and Envelopes</p> <p>Weight: 14 lb bond to 140 lb index (52 to 256 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Heavy 3, Tracing, Coated, Labels, Transparency, Letterhead, and Envelopes</p> <p>^{*1} For detailed supported paper weights, see "Media Feed Locations," on p. 62.</p> |
| Capacity | <p>No Collating, Collate, or Group Mode:</p> <p>12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC: 100 sheets (or 1/2" (12.5 mm) in height)</p> <p>No Collating, Collate, or Group Mode with Different Paper Sizes:</p> <p>100 sheets (or 1/2" (12.5 mm) in height)</p> <p>Staple Mode:</p> <p>11" x 17", LGL, LTR, LTRR, EXEC: 3/8" (8.1 mm) in height</p> <p>Staple Mode with Different Paper Sizes: 15 sets or (3/8" (8.1 mm) in height)</p> |

Inner Finisher Additional Tray-A1 Table Continued

| | |
|-------------------------------|---|
| Dimensions (H x W x D) | 2 1/4" x 8 1/8" x 17 3/4" (57 mm x 207 mm x 450 mm) |
| Weight | Approximately 3.1 lb (1.4 kg) |

6.11 Inner 2 Way Tray-F1

| Item | Specifications |
|---|---|
| Paper Size/Weight/Type | <p>Size: 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMT, STMTR, EXEC, Custom Size (3 7/8" x 5 9/16" to 12 5/8" x 18" (99 mm x 139.7 mm to 320 mm x 457 mm)), and Envelopes</p> <p>Weight: 14 lb bond to 140 lb index (52 to 256 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Heavy 3, Tracing, Coated, Labels, Transparency, Tab, Letterhead, and Envelopes</p> <p>^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 62.</p> |
| Capacity | <p>Tray A: 250 sheets^{*1} (20 lb bond (80 g/m²))</p> <p>Tray B: 100 sheets^{*1} (20 lb bond (80 g/m²))</p> <p>^{*1} When LTR or smaller size paper is used.</p> |
| Dimensions (H x W x D) | 3" x 16 3/4" x 16" (76 mm x 426 mm x 407 mm) |
| Weight | Approximately 1.3 lb (574 g) |
| Installation Space Including the Main Unit (W x D) | 33 1/2" x 28 1/8" (850 mm x 715 mm) (When the multi-purpose tray is extended.) |

6.12 Copy Tray-J1

| Item | Specifications |
|---|---|
| Paper Size/Weight/Type | <p>Size: 11" x 17", LGL, LTR, LTRR, STMTR, EXEC</p> <p>Weight: 14 lb bond to 80 lb cover (52 to 220 g/m²)</p> <p>Type:^{*1} Thin, Plain 1, Plain 2, Recycled, Color, Pre-Punched, Bond, Heavy 1, Heavy 2, Tab, and Letterhead</p> <p>^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 62.</p> |
| Capacity | 100 sheets (20 lb bond (80 g/m ²)) |
| Dimensions (H x W x D) | 5 5/8" x 14 3/8" x 14 3/4" (144 mm x 365 mm x 373 mm) (When the auxiliary tray is extended.) |
| Weight | Approximately 1 lb (438 g) |
| Installation Space Including the Main Unit (W x D) | 38 1/8" x 28 1/8" (967 mm x 715 mm) (When the multi-purpose tray is extended.) |

6.13 Copy Card Reader-F1

| Item | Specifications |
|---------------------------------|--|
| Available Cards | Magnetic |
| Card Readout Method | Magnetic readout |
| Magnetic Card Reading Direction | Face up |
| Store/Replay | Replay |
| Power Source | From the main unit. |
| Dimensions (H x W x D) | 1 5/8" x 3 1/2" x 3 3/4" (40 mm x 88 mm x 96 mm) (When the attachment kit and cable are excluded.) |
| Weight | Approximately 10.4 oz (295 g) (When the attachment kit and cable are included.) |

6.14 Super G3 FAX Board-AE2

| Protocol | Specifications ^{*1} |
|--|--|
| Telephone Line Used ^{*2} | Public Switched Telephone Network |
| Scan Line Density (Scan, Transmission) | Standard: 8 pels ^{*3} /mm x 3.85 line/mm Fine: 8 pels ^{*3} /mm x 7.7 line/mm Super-Fine: 8 pels ^{*3} /mm x 15.4 line/mm Ultra-Fine: 16 pels ^{*3} /mm x 15.4 line/mm |
| Transmission Speed | Super G3: 33.6 kbps G3: 14.4 kbps |
| Compression Method | MH, MR, MMR, JBIG |
| Transmission Type | Super G3, G3 |
| Sending Original Size | 11" x 17" to STMTR |
| Receiving Paper Size | 11" x 17" to STMTR |
| Transmission Times | JBIG: Approximately 2.6 seconds |
| Auto Dial Function | Address Book: 1,800 destinations (Including destinations stored in one-touch buttons.) |
| Image Memory | Approximately 6,000 pages |

*1 The specifications remain the same even when the optional Super G3 2nd Line FAX Board or Super G3 3rd/4th Line FAX Board is installed.

*2 If an IP telephone service is used, facsimile communications may not be performed normally via an IP telephone line. It is recommended to use a general telephone (Public Switched Telephone Network) line for facsimile communications.

*3 Pels stands for picture elements (pixels).

6.15 Protocol Specifications

| Protocol | Specifications |
|------------------|---|
| TCP/IP | Frame Type: Ethernet II Print Applications: LPD, Raw, IPP, IPPS, FTP, WSD |
| IPX/SPX | Frame Type: Ethernet II, Ethernet 802.2, Ethernet 802.3, Ethernet SNAP, and Auto Detect Print Applications: Bindery PServer, NDS PServer, RPrinter, and NPrinter |
| AppleTalk | Frame Type: Ethernet SNAP Print Applications: PAP (Printer Access Protocol) |

7. System Options

A user can expand the functionality of their imageRUNNER ADVANCE C5255 by installing system related optional accessories. This section describes the system related optional accessories and their functions.

7.1 PCL Printer Kit-AR1

The PCL Printer Kit-AR1 supports PCL5c/6 emulation printing solutions, and enables true 1,200 x 1,200 dpi print resolution with the PCL 6 driver.

7.2 PS Printer Kit-AR1

The PS Printer Kit-AR1 enables a user to use the machine as a PS (PostScript) printer, and print in true 1,200 x 1,200 dpi resolution.



NOTE

To use the functions of the PS Printer Kit-AR1, the optional Additional Memory Type D (512 MB) must be installed on the machine to expand the machine's memory.

7.3 imagePASS-B2

The imagePASS-B2 is a printer controller that attaches to the back of the machine. The imagePASS print controller supports Adobe Genuine PostScript 3, PCL5c, and PCL6, and is suited for office environments in which larger print volumes are frequently processed, or for users who use Adobe PostScript or other PostScript applications.

The table below represents the hardware specifications for the imagePASS-B2 print controller.

| Item | Specifications |
|----------------|---|
| Base OS | Linux |
| CPU | Intel Pentium Dual Core E5300 2.6 GHz |
| RAM | 2 GB (1 GB x 2) |
| HDD | 160 GB |
| F/W | System 10e |
| PostScript 3 | Y |
| PCL6 | Y |
| PCL5c | Y |
| Print Drivers | <ul style="list-style-type: none">• Windows 2000/XP/Server 2003/Server 2008/Windows Vista• Macintosh OS X 10.3.9 or later |
| Optional Items | <ul style="list-style-type: none">• HotFolder V2.0• Productivity Package• SeeQuence Impose• SeeQuence Compose• SeeQuence Suite• X-Rite Eye-One |

NOTE

- To use the functions of the imagePASS-B2 print controller, the optional Additional Memory Type D (512 MB) must be installed on the machine to expand the machine's memory.
- UFR II (Ultra Fast Rendering II) is not supported.
- The imagePASS-B2 cannot be used with the Encrypted Secure Print Software-D1.
- The imagePASS-B2 cannot be installed with the ColorPASS-GX400.

7.4 ColorPASS-GX400

The ColorPASS-GX400 is an external print controller that delivers power, performance, and speed to high-end print environments. This controller offers extensive, variable data printing support and superior workflow management. The ColorPASS-GX400 produces true 1,200 x 1,200 dpi print quality, and features the PostScript 3 print language. It also comes packaged with the Command Workstation 5.0 software. The Command Workstation makes managing demanding workflows easier by centralizing job management.

The table below represents the hardware specifications for the ColorPASS-GX400 print controller.

| Item | ColorPASS-GX400 |
|-----------------------|--|
| Base OS | Windows 7 Professional FES |
| CPU | Intel Core i5-660 3.33 GHz |
| RAM | 2 GB (1 GB x 2) |
| HDD | 500 GB |
| F/W | System 10 |
| PostScript 3 | Y |
| PCL6 | Y |
| PCL5 | Y |
| Print Drivers | <ul style="list-style-type: none"> • Windows 2000/XP/Server 2003/Server 2008/Windows Vista • Macintosh OS X 10.3.9 or later |
| Optional Items | <ul style="list-style-type: none"> • SeeQuence Impose • SeeQuence Compose • SeeQuence Suite • Removable Hard Disk Drive Kit-B1 • Graphic Arts Package, Premium Edition, V2.2 • Integrated Interface and Stand-A1 (Mouse, Monitor, Keyboard, and Stand) • X-Rite Eye-One |
| Dimensions | Approximately 19 1/8" x 8 1/2" x 19 1/8" (486 mm x 216 mm x 486 mm) |
| Weight | Approximately 43.5 lb |



NOTE

- To use the functions of the ColorPASS-GX400, the optional Additional Memory Type D (512 MB) must be installed on the machine to expand the machine's memory.
- UFR II (Ultra Fast Rendering II) is not supported.
- The ColorPASS-GX400 cannot be used with the Encrypted Secure Print Software-D1.
- The ColorPASS-GX400 cannot be installed with the imagePASS-B2.

7.5 Direct Print Kit-H1 (For PDF/XPS Files)

The Direct Print Kit-H1 (for PDF/XPS) enables a user to print PDF and XPS files directly from the Remote UI. It also enables a user to print PDF files from Memory Media.



NOTE

To use the functions of the Direct Print Kit-H1 (for PDF/XPS), the optional Additional Memory Type D (512 MB) must be installed on the machine to expand the machine's memory.

7.6 Additional Memory Type D (512 MB)

The Additional Memory Type D (512 MB) expands the memory capacity of the machine to 2.5 GB. It is necessary that a user install the Additional Memory Type D (512 MB) to enable the functions of the optional PS Printer Kit-AR1, Direct Print Kit-H1 (for PDF/XPS), imagePASS-B2, and ColorPASS-GX400.

7.7 Super G3 FAX Board-AE2

The Super G3 FAX Board-AE2 enables a user to send and receive fax documents. A user can also send documents that have been created in applications directly from their computer via a network.



NOTE

The Canon Fax Driver is supplied with the Super G3 FAX Board-AE2. It enables a user to send fax images from a computer via the machine.

7.8 Super G3 2nd Line Fax Board-AE1

The Super G3 2nd Line Fax Board-AE1 enables a user to use two lines to send and receive fax documents.



NOTE

The Super G3 FAX Board-AE2 is required.

7.9 Super G3 3rd/4th Line Fax Board-AE1

The Super G3 3rd/4th Line Fax Board-AE1 enables a user to use three or four lines to send and receive fax documents.



NOTE

The Super G3 FAX Board-AE2 and Super G3 2nd Line Fax Board-AE1 are required.

7.10 Remote Fax Kit-A1

The Remote Fax Kit-A1 enables a user to share the Fax function on an imageRUNNER ADVANCE machine (with the Remote Fax Kit-A1) with another imageRUNNER ADVANCE machine (that has a fax board installed) on the same network. A user can send and receive fax documents via the imageRUNNER ADVANCE machine with a fax board from the imageRUNNER ADVANCE machine that has the Remote Fax Kit-A1.



NOTE

- To enable the functions of the Remote Fax Kit-A1, it must be activated by registering a license key.
- The Remote Fax Kit-A1 and Super G3 FAX Board-AE2 cannot be installed at the same time.

7.11 Universal Send Advanced Feature Set-F1

The Universal Send Advanced Feature Set-F1 enables a user to make Trace & Smooth PDF, Searchable PDF/XPS, Adobe Reader Extensions PDF, and Office Open XML files.



NOTE

- For more information on the Universal Send Advanced Feature Set-F1 modes, see the *Optional Products e-Manual*.
- To enable the functions of the Universal Send Advanced Feature Set-F1, it must be activated by registering a license key.

7.12 Universal Send Security Feature Set-D1

The Universal Send Security Feature Set-D1 enables a user to encrypt PDF and Digital Device Signature PDF/XPS files, as well as set a password to send them safely to a file server or e-mail address. It also enables the recipient of a PDF or Digital Device Signature PDF/XPS file to verify which device scanned it.

NOTE

To enable the functions of the Universal Send Security Feature Set-D1, it must be activated by registering a license key.

7.13 Universal Send Digital User Signature Kit-C1

The Universal Send Digital User Signature Kit-C1 enables a user to add a digital user signature obtained from a certificate authority to a PDF or XPS file. This enables the recipient of a PDF or XPS file to verify which user signed it.

NOTE

A license key issued by a certificate authority must be registered to activate the Universal Send Digital User Signature Kit-C1.

7.14 Secure Watermark-B1

The Secure Watermark-B1 option enables a user to embed hidden text in the background of copies. The embedded text only appears when the machine prints the copies.

NOTE

- To enable the Secure Watermark-B1 option, it must be activated by registering a license key.
- The Secure Watermark-B1 option cannot be used with the optional Document Scan Lock Kit-B1.

7.15 Document Scan Lock Kit-B1

The Document Scan Lock Kit-B1 enables a user to embed hidden user information or copy restriction information in the output when documents are copied or printed. This helps to reduce the risk of confidential information from being leaked. The Document Scan Lock Kit-B1 also enforces the policies written to track information embedded in the document to prevent users from performing restricted tasks, such as copying, sending, scanning, or storing specific documents (Scan Lock function) and identify the user that output the document (Tracking function).

The Image Data Analyzer Board, which is needed to detect the scan lock information, restrict unauthorized copying, and analyze the tracking information is included with this kit.

NOTE

- To enable the functions of the Document Scan Lock Kit-B1, it must be activated by registering a license key.
- The Document Scan Lock Kit-B1 cannot be used with the optional Secure Watermark-B1.

7.16 HDD Mirroring Kit-D2

The HDD Mirroring Kit-D2 backs up the data on the hard disk of the machine to the additional optional HDD.

NOTE

- The engine HDD and the HDD used for mirroring must be of the same storage capacity.
- If the machine has the standard 2.5inch/160 GB HDD, an additional optional 2.5inch/160 GB HDD-G1 is required to back up the data using the HDD Mirroring Kit-D2.
- If the machine had the standard 2.5inch/160 GB HDD replaced with the optional 2.5inch/1 TB HDD-H1, an additional optional 2.5inch/1 TB HDD-H1 is required to back up the data using the HDD Mirroring Kit-D2.

7.17 HDD Data Encryption & Mirroring Kit-C1

The HDD Data Encryption & Mirroring Kit-C1 encrypts all image data and device settings before storing it on the hard drive. The mirroring function also provides redundancy when utilized with an additional hard disk drive of the same storage capacity. This maintains system uptime and preserves company data in the instance of a hard drive failure.



IMPORTANT

Installing the HDD Data Encryption & Mirroring Kit-C1 (after the machine is installed and operational), requires the machine's system software to be updated. This reformats the entire hard drive, and all data previously stored on the hard disk drive is deleted. Accordingly, it is strongly recommended that a user back up all of the data stored on the hard disk drive of the machine prior to installing the HDD Data Encryption & Mirroring Kit-C1.



NOTE

- The engine HDD and the HDD used for encryption and mirroring must be of the same storage capacity.
- If the machine has the standard 2.5inch/160 GB HDD, an additional optional 2.5inch/160 GB HDD-G1 is required to encrypt and back up the data using the HDD Data Encryption & Mirroring Kit-C1.
- If the machine had the standard 2.5inch/160 GB HDD replaced with the optional 2.5inch/1 TB HDD-H1, an additional optional 2.5inch/1 TB HDD-H1 is required to encrypt and back up the data using the HDD Data Encryption & Mirroring Kit-C1.
- The encryption capability is Common Criteria Certified.

7.18 Encrypted Secure Print Software-D1

The Encrypted Secure Print Software-D1 enables a user to encrypt print data sent from a computer using the Secured Print function and decrypt it at the machine. This enables the user to strengthen the security of print data by preventing the content of the user's printed documents from being seen by other users, and preventing the unauthorized use of confidential information.



NOTE

To use the Encrypted Secure Print Software-D1, it must be activated by registering a license key.

7.19 Removable Hard Disk Drive Kit-AC1

The Removable Hard Disk Drive Kit-AC1 enables the hard disk of the machine to be removed while the machine is unattended or not in use. This kit provides a layer of data security for government agencies and corporate enterprises who need to ensure that the data stored on the hard disk is physically secured when the machine is no longer in use. The kit includes a carrying case and a key to enable easy removal and storage.

NOTE

- The Removable Hard Disk Drive Kit-AC1 is only used for removing the standard 160 GB HDD and optional 2.5inch/160 HDD-G1 of the machine.
- If the HDD of the machine has been replaced with the optional 2.5inch/1 TB HDD-H1, the Removable Hard Disk Drive Kit-AC1 cannot be used.

7.20 2.5inch/160 GB HDD-G1

Attach the optional 2.5inch/160 GB HDD-G1 to the machine to enable HDD Mirroring.

NOTE

- The 2.5inch/160 GB HDD-G1 is necessary if a user wants to perform HDD Mirroring.
- The 2.5inch/160 GB HDD-G1 does not increase the overall storage capacity of the machine.
- If the machine has the standard 2.5inch/160 GB HDD, an additional optional 2.5inch/160 GB HDD-G1 is required to back up the data using the HDD Mirroring Kit-D2.
- If the machine has the standard 2.5inch/160 GB HDD, an additional optional 2.5inch/160 GB HDD-G1 is required to encrypt and back up the data using the HDD Data Encryption & Mirroring Kit-C1.

7.21 2.5inch/1 TB HDD-H1

Replace the machine's standard 160 GB hard disk drive with the 2.5inch/1 TB HDD-H1 to increase the HDD capacity.

NOTE

- If the machine is configured with an optional 2.5inch/1 TB HDD-H1, an additional optional 2.5inch/1 TB HDD-H1 is required to back up the data by using the optional HDD Mirroring Kit-D2.
- If the machine is configured with an optional 2.5inch/1 TB HDD-H1, an additional optional 2.5inch/1 TB HDD-H1 is required to encrypt and back up the data by using the optional HDD Data Encryption & Mirroring Kit-AC1.

7.22 Remote Operator's Software Kit-B1

The Remote Operator's Software Kit-B1 enables a user to access the machine's control panel and specify settings or process jobs from a computer (located on the same network as the machine) remotely.

7.23 USB Device Port-E1

The USB Device Port-E1 adds two USB ports to the machine so a user can use a 3rd party card reader or the optional Multimedia Reader/Writer-A2 for additional media support.

7.24 Multimedia Reader/Writer-A2

The Multimedia Reader/Writer-A2 enables a user to use SD, Compact Flash, Memory Stick, and Microdrive memory media for direct print and scan to store operations.



NOTE

To use the Multimedia Reader/Writer-A2, the optional USB Device Port-E1 must be installed.

7.25 Web Access Software-H1

The Web Access Software-H1 enables a user to view Web pages from the touch panel display of the machine. If a user registers PDF files on the Web page, the user can print them without using a computer. Moreover, if a user creates a Web page or special content, and then register it as a PDF file, the user can share the Web page or special content with other users.



NOTE

To print PDF files from Web pages, the optional PS Printer Kit-AR1 or Direct Print Kit-H1 (for PDF/XPS), and the Additional Memory Type D (512 MB) must be installed.

7.26 Other imageRUNNER ADVANCE C5255 Main Unit Accessory Options

- Voice Guidance Kit-F2 & Voice Operation Kit-C2
- ADF Access Handle-A1
- Braille Label Kit-E1
- Barcode Printing Kit-D1
- Copy Control Interface Kit-A1 (Print-for-Pay solution)
- Serial Interface Kit-K1 (Print-for-Pay solution)

8. Installation Review

This chapter describes the necessary number of technicians required to install the machine properly, the time required to install the main unit and optional equipment, and customer installation responsibilities.

8.1 Installation Time

The time required to install the imageRUNNER ADVANCE C5255 depends on the options and accessories to be installed, and the number of technicians performing the installation. Customers should discuss the time requirements with their servicing dealer and schedule the installation accordingly.

The table below indicates the estimated length of time needed to install the main unit and optional accessories from the time the machine is unpacked to when it is installed, and calculated from the average amount of manpower hours. The estimated installation times are based on one (1) experienced technician.

| Description | Estimated Time |
|---|----------------|
| imageRUNNER ADVANCE C5255 – Main Unit | 26 minutes |
| Paper Deck Unit-B2 | 19 minutes |
| Cassette Feeding Unit-AD2 | 11 minutes |
| Staple Finisher-J1 | 13 minutes |
| Inner Finisher-E1 | 13 minutes |
| Booklet Finisher-J1 | 13 minutes |
| Buffer Pass Unit-G1 | 6 minutes |
| External 2/3 Hole Puncher-B2 | 22 minutes |
| Copy Card Reader-F1 | 13 minutes |
| Copy Tray-J1 | 2 minutes |
| Inner 2 Way Tray-F1 | 3 minutes |
| Inner Finisher Additional Tray-A1 | 3 minutes |
| Envelope Feeder Attachment-D1 | 5 minutes |
| Multimedia Reader/Writer-A2 & USB Device Port-E1 | 17 minutes |
| Super G3 FAX Board-AE2 | 11 minutes |
| Super G3 2nd Line Fax Board-AE1 | 19 minutes |
| Super G3 2nd Line Fax Board-AE1 & Super G3 3rd/4th Line Fax Board-AE1 | 30 minutes |
| Additional Memory Type D (512 MB) | 5 minutes |
| Utility Tray-A2 | 5 minutes |
| Handset-G2 | 5 minutes |
| Key Switch Unit-A2 | 17 minutes |
| Voice Guidance Kit-F2 | 17 minutes |
| Voice Operation Kit-C2 | 13 minutes |
| Serial Interface Kit-K1 | 9 minutes |
| Copy Control Interface Kit-A1 | 8 minutes |
| Expansion Bus-F2 | 16 minutes |
| iR ADV Charging Connection Kit-A1 | 10 minutes |
| Removable HDD Kit-AC1 | 26 minutes |
| HDD Mirroring Kit-D2 | 11 minutes |
| HDD Data Encryption & Mirroring Kit-C1 | 25 minutes |
| Image Analysis Board-B1 | 9 minutes |
| imagePASS-B2 | 15 minutes |
| ColorPASS-GX400 | 23 minutes |
| 2.5inch/160 GB HDD-G1 | 10 minutes |
| 2.5inch/1 TB HDD-H1 | 10 minutes |
| iR-ADV Security Kit-C1 | 66 minutes |

8.2 Customer Installation Responsibilities

| Item | Comment |
|--|--|
| Identify location for equipment. | Area meets space and service space requirements. |
| Verify strength of floor and level. | Certified by structural engineers. |
| Ensure that the equipment can be delivered to the site. | Path is clear and unobstructed. |
| Confirm proper electrical outlets and power are available. | Dedicated power, and enough outlets for equipment (including accessories). |
| Area meets environmental specifications. | Temperature and humidity are within specifications, venting provided if necessary. |
| Network connections available. | If desired. |
| Security systems and backup plan for data and storage available. | Highly recommended. |
| TPM key backup plan. | Must have a TPM key backup plan when the TPM setting is activated. |

NOTE

For more information on backing up data, see “Backing Up/Exporting Data,” in the *Before Using This Machine* manual.

9. Consumable Items

Consumable items are all products and materials that are consumed with regular use and cannot be reused. Such consumables are included but not limited to paper, chemicals, and toner.

A number of factors go into the approximate life expectancy of a consumable item, including paper size and the amount of coverage per page.

The Usage Conditions and Consumables tables below state the estimated life expectancy yields based on LTR size paper. Using paper larger than LTR reduces the supply yields and parts life accordingly.

9.1 Usage Conditions

Operate the machine within the following usage conditions to achieve optimal machine performance.

| Item | Condition |
|---------------------------|--------------------------------|
| Operating Temperature | 59°F to 77°F (15°C to 25°C) |
| Operating Humidity | 25% to 75% |
| Optimal Performance Range | 12,000 to 60,000 ^{*1} |
| Image Ratio | 5% |

*1 Based on 20 lb LTR size paper, and under the above optimal environmental conditions.

9.2 Consumable Parts

Consumable parts are defined as those parts having a limited life that will be reached during a customer's specific machine operation, and then should be replaced as needed. Examples of consumable parts include, but are not limited to feed rollers, cleaning blades, and fixing assembly components.

An estimated consumable parts life is provided below to assist a user in their initial parts/supplies planning. A consumable part's life expectancy is directly related to usage factors, such as paper size, paper quality, environment, usage application, and machine maintenance. Therefore, consumable parts do not have a warranty, and Canon U.S.A., Inc. cannot guarantee a minimum life.



NOTE

All consumable parts shown in the table below are for reference purposes only, and are subject to change without notice.

9.2.1 Estimated Life of Consumables

| Item | Part Number | Quantity | Estimated Life ^{*1} (Copies/Prints) | Remarks |
|----------------------|-------------|----------|---|----------------|
| GPR-30 Black Toner | 2789B003AA | 1 | 44,000 | 5% image ratio |
| GPR-30 Cyan Toner | 2793B003AA | 1 | 38,000 | |
| GPR-30 Magenta Toner | 2797B003AA | 1 | 38,000 | |
| GPR-30 Yellow Toner | 2801B003AA | 1 | 38,000 | |

*1 Estimated life is based on LTR paper, the new 5% standard chart, and full color.

10. Toner Bottle Yields

The black toner bottle holds approximately 2.1 lb (960 g) of toner, and yields approximately 44,000 impressions at 5% coverage on LTR size paper.

The color toner bottles hold approximately 1.3 lb (590 g) of toner, and yield approximately 38,000 impressions at 5% coverage on LTR size paper.

11. Waste Toner Yields

The imageRUNNER ADVANCE C5255 uses a replaceable waste toner container, which collects the waste toner during the printing process.

The operator should replace the waste toner container when approximately 20,000 sheets of LTR paper at a 5% image ratio have been printed. When the message is displayed that the waste toner container is full, up to an additional 1,000 sheets of LTR paper at a 5% image ratio can be printed before the waste toner container must be replaced.

When the waste toner container becomes completely full, the imageRUNNER ADVANCE C5255 stops. The operator or service technician can replace the full waste toner container with a new waste toner container. However, only a service technician can empty the full waste toner container and dispose of the toner waste in a manner that is applicable to the laws in the geographical area where the machine is located. If new waste toner containers are always used, it is recommended that the customer maintain a supply of waste toner containers for replacement when necessary.

The full waste toner container can also be reused. However, only a service technician is authorized to empty the waste toner from the container and clean the container. In this case, it is recommended that the customer keep one spare container to be used as a replacement while the service technician is contacted to empty and clean the full waste toner container.

12. Optimum Monthly Product Performance

The table below describes the differences between the optimum PCV (Print Copy Volume), maximum PCV, and duty cycle. Please note that the numbers in the table are for reference purposes only, and depend strongly on the type of media selected and environmental conditions. For information on the optimal environmental conditions for the machine, see [“Environmental Factors and Requirements,”](#) on p. 25.

| Monthly PCV Type | Description | Number of Prints/Copies |
|--------------------|--|-------------------------|
| Optimum PCV | This is the print/copy volume range that the equipment was intended to run on a regular basis to maintain a high level of performance and print/copy quality. Running the equipment within this range ensures that no undue stress is placed on components, and it allows time for the proper servicing and maintenance of the equipment. | 12,000 to 60,000 |
| Maximum PCV | This is the maximum number of prints/copies that a user can make in a month. However, sustained use of the machine at this print/copy level will impact the long term performance and durability of the machine. It is recommended to stay within the optimum print/copy volume, and reduce a possible increase in servicing and maintenance issues. | 60,000 |
| Duty Cycle | On occasion, the machine can produce up to 210,000 prints/copies. However, sustained use of the machine at this level, will significantly impact the long term performance and durability of the machine. A user should expect an increase in the number of service calls and down time during periods of maximum production use. | 210,000 |



IMPORTANT

If a user’s business constantly runs the machine at the duty cycle or is consistently run above the maximum PCV, the user should consider purchasing additional machines or higher volume machines.

13. Machine Reliability and Productivity

This chapter describes the productivity of the imageRUNNER ADVANCE C5255.

13.1 Print Speed

There is an impact on print speed if a user is printing on paper of different sizes, weights, media, and if the user is printing double sided jobs. For more information, see [“Mixed Paper Weight Job Productivity.”](#) on p. 60.

The tables below describe the printing speeds one should expect when printing one- or two-sided documents on the indicated paper size and type.

Print Speed Table (1 of 2)

| Paper Type | Mode | Size | Productivity (ppm) | | | | | |
|--|-----------|---------------------|--------------------|---------|--------------------|---------|------------|-------|
| | | | Paper Drawers | | Multi-Purpose Tray | | Paper Deck | |
| | | | B&W | Color | B&W | Color | B&W | Color |
| Plain Paper 1 17 to 21 lb bond (64 to 81 g/m ²) Plain Paper 2 20 to 28 lb bond (82 to 105 g/m ²) Thin Paper, Color, Recycled, Pre-Punched, Transparency | 1-Sided | LTR/EXEC | 55 | 51 | 31 | 31 | 55 | 51 |
| | | LTRR | 27.5 | 25.5 | 25.5 | 25.5 | - | - |
| | | LGL | 27.5 | 25.5 | 22 | 22 | - | - |
| | | STMT | - | - | 31 | 31 | - | - |
| | | STMTR ^{*1} | 13 to 4 | 13 to 4 | 13 to 4 | 13 to 4 | - | - |
| | | 11" x 17" | 27.5 | 25.5 | 19.5 | 19.5 | - | - |
| | 12" x 18" | 20 | 20 | 18 | 18 | - | - | |
| | 2-Sided | LTR/EXEC | 55 | 51 | 31 | 31 | 55 | 51 |
| | | LTRR | 27.5 | 25.5 | 25.5 | 25.5 | - | - |
| | | LGL | 27.5 | 25.5 | 22 | 22 | - | - |
| | | STMT | - | - | - | - | - | - |
| | | STMTR ^{*1} | 13 to 4 | 13 to 4 | 13 to 4 | 13 to 4 | - | - |
| 11" x 17" | | 27.5 | 25.5 | 19.5 | 19.5 | - | - | |
| 12" x 18" | 20 | 20 | 18 | 18 | - | - | | |
| Heavy Paper 1 29 lb bond to 60 lb cover (106 to 163 g/m ²) | 1-Sided | LTR/EXEC | 25.5 | 25.5 | 15.5 | 15.5 | 25.5 | 25.5 |
| | | LTRR | 12.5 | 12.5 | 12.5 | 12.5 | - | - |
| | | LGL | 12.5 | 12.5 | 11 | 11 | - | - |
| | | STMT | - | - | 15.5 | 15.5 | - | - |
| | | STMTR ^{*1} | 13 to 3 | 13 to 3 | 13 to 3 | 13 to 3 | - | - |
| | | 11" x 17" | 12.5 | 12.5 | 9.8 | 9.8 | - | - |
| | 12" x 18" | 10 | 10 | 9.8 | 9.8 | - | - | |
| | 2-Sided | LTR/EXEC | 25.5 | 25.5 | 15.5 | 15.5 | 25.5 | 25.5 |
| | | LTRR | 12.5 | 12.5 | 12.5 | 12.5 | - | - |
| | | LGL | 12.5 | 12.5 | 11 | 11 | - | - |
| | | STMT | - | - | - | - | - | - |
| | | STMTR ^{*1} | 13 to 3 | 13 to 3 | 13 to 3 | 13 to 3 | - | - |
| 11" x 17" | | 12.5 | 12.5 | 9.8 | 9.8 | - | - | |
| 12" x 18" | 10 | 10 | 9.8 | 9.8 | - | - | | |

*1 The down sequence of the machine may vary the images per minute it can produce.

Print Speed Table Continued (2 of 2)

| Paper Type | Mode | Size | Productivity (ppm) | | | | | |
|---|-----------|---------------------|--------------------|---------|--------------------|---------|------------|-------|
| | | | Paper Drawers | | Multi-Purpose Tray | | Paper Deck | |
| | | | B&W | Color | B&W | Color | B&W | Color |
| Heavy Paper 2 61 lb cover to 80 lb index (164 to 220 g/m ²), Labels | 1-Sided | LTR/EXEC | 20 | 20 | 15.5 | 15.5 | 20 | 20 |
| | | LTRR | 10 | 10 | 10 | 10 | - | - |
| | | LGL | 10 | 10 | 10 | 10 | - | - |
| | | STMT | - | - | 15.5 | 15.5 | - | - |
| | | STMTR ^{*1} | 13 to 3 | 13 to 3 | 13 to 3 | 13 to 3 | - | - |
| | | 11" x 17" | 10 | 10 | 9.8 | 9.8 | - | - |
| | 12" x 18" | 8 | 8 | 8 | 8 | - | - | |
| | 2-Sided | LTR/EXEC | 20 | 20 | 15.5 | 15.5 | 20 | 20 |
| | | LTRR | 10 | 10 | 10 | 10 | - | - |
| | | LGL | 10 | 10 | 10 | 10 | - | - |
| | | STMT | - | - | - | - | - | - |
| | | STMTR ^{*1} | 13 to 3 | 13 to 3 | 13 to 3 | 13 to 3 | - | - |
| 11" x 17" | | 10 | 10 | 9.8 | 9.8 | - | - | |
| 12" x 18" | 8 | 8 | 8 | 8 | - | - | | |
| Heavy Paper 3 82 lb cover to 140 lb index (221 to 256 g/m ²) | 1-Sided | LTR/EXEC | - | - | 10 | 10 | - | - |
| | | LTRR | - | - | 8.5 | 8.5 | - | - |
| | | LGL | - | - | 7 | 7 | - | - |
| | | STMT | - | - | 10 | 10 | - | - |
| | | STMTR ^{*1} | - | - | 10 to 3 | 10 to 3 | - | - |
| | | 11" x 17" | - | - | 6.5 | 6.5 | - | - |
| | 12" x 18" | - | - | 6.5 | 6.5 | - | - | |
| | 2-Sided | LTR/EXEC | - | - | - | - | - | - |
| | | LTRR | - | - | - | - | - | - |
| | | LGL | - | - | - | - | - | - |
| | | STMT | - | - | - | - | - | - |
| | | STMTR ^{*1} | - | - | - | - | - | - |
| 11" x 17" | | - | - | - | - | - | - | |
| 12" x 18" | - | - | - | - | - | - | | |
| Tab Paper | 1-Sided | LTR | 10 | 10 | 10 | 10 | 10 | 10 |
| | 2-Sided | LTR | 10 | 10 | 10 | 10 | 10 | 10 |
| OHP (Overhead Projector) | 1-Sided | LTR | 8 | 8 | 7 | 7 | - | - |
| Envelopes ^{*1} | 1-Sided | Monarch | 10 to 3 | 10 to 3 | 10 to 3 | 10 to 3 | - | - |
| | | ISO-C5 | 10 to 3 | 10 to 3 | 10 to 3 | 10 to 3 | - | - |
| | | COM10 | 10 to 3 | 10 to 3 | 10 to 3 | 10 to 3 | - | - |
| | | DL | 10 to 3 | 10 to 3 | 10 to 3 | 10 to 3 | - | - |

*1 The down sequence of the machine may vary the images per minute it can produce.



IMPORTANT

If a user copies/prints in the conditions below, the user may not achieve the copy/print speeds in the tables above:

- If the user feeds papers of differing lengths together at the same time.
- If the user is printing a job on papers of differing paper weights.
- If the user is printing a simplex or duplex job on mixed media.
- If the user is creating a saddle stitched booklet using one sheet.
- If the user uses tab paper and other paper types at the same time.

13.2 Mixed Paper Weight Job Productivity

The imageRUNNER ADVANCE C5255 is capable of processing jobs that contain paper with different paper weights. However, during the processing of jobs with mixed paper weights, the machine adjusts its fixing temperature, resulting in a printing delay.

14. Media Usage/Compatibility

The imageRUNNER ADVANCE C5255 maintains reliable, predictable, and high-quality output. Consistency of the output is dependent on knowing and compensating for variables of a print job. The imageRUNNER ADVANCE C5255 incorporates many control systems which compensate for environmental and print process conditions. Another variable is the print media. Knowing the characteristics of the media guarantees optimal print output.

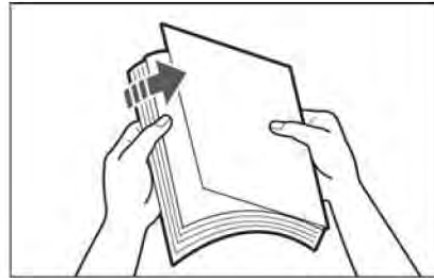
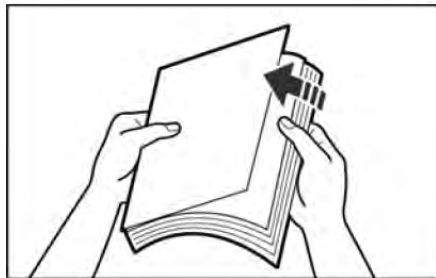
14.1 Media Characteristics by Media Library Parameters

A user must be in the Management mode to edit the media characteristics.

| Characteristics | Parameters |
|---------------------------------|---|
| Paper Size | Select the dimensions of the paper. |
| Paper Type | Select the type of paper (e.g., Plain, Tab Paper, or Pre-Punched). |
| Paper Weight | Select the weight of the paper in g/m ² . |
| Category | Select whether the paper is a Standard paper type or Custom paper type. |
| Finish | Select the finish of the paper (e.g., Uncoated or Coated). |
| Creep (Displacement) Correction | Specify the correction adjustment. |

14.2 Paper Handling and Storage

- The permissible humidity range for paper storage is 30% to 70% (with a room temperature of 68°F to 80.6°F (20°C to 27°C)). Storing paper in a location that does not meet these specifications may affect paper feeding and image quality.
- Only use paper that has fully acclimatized to the environment in which the machine is installed. Using paper that has been stored in a different environment (with a different temperature and humidity), may cause paper jams or result in poor print quality.
- We recommend using paper immediately after opening the package. Rewrap any remaining paper in its original package, and store it on a flat surface.
- Before loading paper, make sure to fan the sheets thoroughly so that air runs through the sheets, as shown in the diagrams below.



14.3 Selecting the Correct Media

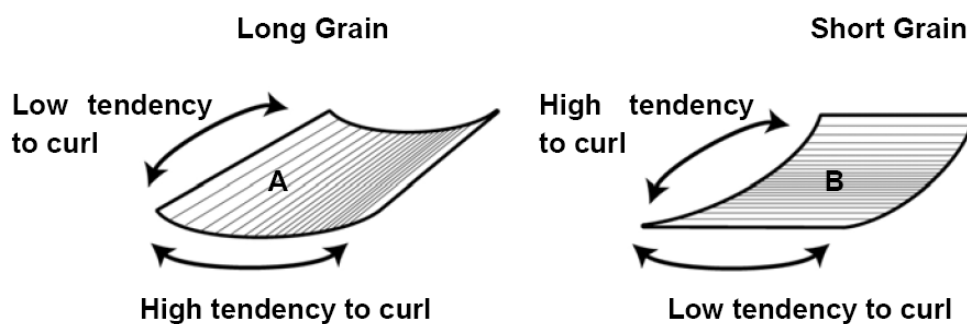
Canon U.S.A., Inc. publishes a *Media Compatibility Guide*, which provides detailed information on approved media. The *Media Compatibility Guide* for the imageRUNNER ADVANCE C5255 is available via the Canon USA consumer Web site: http://consumer.usa.canon.com/cusa/office/standard_display/supplies-mim.

14.4 Paper Grain and Curl

Paper grain and curl can dramatically affect the reliability of machines utilizing an electrostatic process like the imageRUNNER ADVANCE C5255. Paper used in an offset press is usually cut for short edge feeding. This type of paper is not as reliable as paper made for machines utilizing an electrostatic process, which is cut for long edge feeding. Also, the composition of electrostatic paper is different from offset paper, and produces better quality results in a digital machine. When selecting paper for the imageRUNNER ADVANCE C5255 choose paper intended for use in electrostatic machines, such as laser printers and copiers.

If paper jams or poor print quality occur when paper is fed from the optional paper deck, paper curl is often the cause. The paper stiffness, direction of curl, and amount of curl have a strong influence on how well the paper is transported through the machine. If paper is curled, straighten out the paper by gently curling it in the opposite direction to which it is curled.

Paper stiffness depends on the direction of the paper grain. Paper tends to curl in the direction parallel to the grain.



IMPORTANT

When using LTR or smaller paper sizes we recommend using paper with a grain parallel to the long edge (A). For paper sizes larger than 11" x 17", we recommend using paper with a grain parallel to the short edge (B). When using coated paper thinner than 105 g/m², we recommend using paper with a grain perpendicular to the feeding direction of the paper.

14.5 Media Feed Locations

As with all Canon copiers, certain feed locations within the device are capable of feeding specific media sizes and weights.

When considering media, make sure the media is within the proper size and weight parameters of the feed location. Once the desired media is selected the appropriate feed location must be selected.

The default paper types registered in the machine are shown in the table below. Paper Drawers 3 and 4 and the Paper Deck Unit-B2 are optional.

✓: Available –: Unavailable

| Paper Type (Paper Weight) | Paper Source | | |
|--|---|---|--|
| | Paper Drawers (14 lb bond to 80 lb index (52 to 220 g/m ²)) | Multi-Purpose Tray (14 lb bond to 140 lb index (52 to 256 g/m ²)) | Paper Deck Unit-B2 (14 lb to 28 lb bond (52 to 105 g/m ²)) |
| Thin (14 to 17 lb bond (52 to 63 g/m ²)) | ✓ | ✓ | ✓ |
| Plain 1 (17 to 21 lb bond (64 to 81 g/m ²)) | ✓ | ✓ | ✓ |
| Plain 2 (22 to 28 lb bond (81 to 105 g/m ²)) | ✓ | ✓ | ✓ |
| Recycled (17 to 21 lb bond (64 to 81 g/m ²)) | ✓ | ✓ | ✓ |
| Color (17 to 21 lb bond) (64 to 81 g/m ²)) | ✓ | ✓ | ✓ |
| Heavy 1 (28 lb bond to 60 lb cover (106 to 163 g/m ²)) | ✓ | ✓ | ✓ |
| Heavy 2 (61 to 80 lb cover (164 to 220 g/m ²)) | ✓ | ✓ | – |
| Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m ²)) | – | ✓ | – |
| 1-Sided Coated 1 (29 lb bond to 60 lb cover (106 to 163 g/m ²)) | – | ✓ | – |
| 1-Sided Coated 2 (61 to 80 lb cover (164 to 220 g/m ²)) | – | ✓ | – |
| 2-Sided Coated 1 (29 lb bond to 60 lb cover (106 to 163 g/m ²)) | – | ✓ | – |
| 2-Sided Coated 2 (61 to 80 lb cover (164 to 220 g/m ²)) | – | ✓ | – |
| Tracing ¹ (17 to 21 lb bond (64 to 81 g/m ²)) | – | ✓ | – |
| Transparency ² (40 lb bond to 110 lb index (151 to 209 g/m ²)) | ✓ | ✓ | – |
| Pre-Punched (20 to 21 lb bond (75 to 81 g/m ²)) | ✓ | ✓ | ✓ |
| Bond (22 to 24 lb bond (82 to 90 g/m ²)) | ✓ | ✓ | ✓ |

Default Paper Types Table Continued

✓: Available –: Unavailable

| Paper Type (Paper Weight) | Paper Source | | |
|--|---|---|--|
| | Paper Drawers (14 lb bond to 80 lb index (52 to 220 g/m ²)) | Multi-Purpose Tray (14 lb bond to 140 lb index (52 to 256 g/m ²)) | Paper Deck Unit-B2 (14 lb to 28 lb bond (52 to 105 g/m ²)) |
| Tab Paper (40 lb bond to 110 lb index (151 to 209 g/m ²)) | ✓ ³ | ✓ | – |
| Labels (40 lb bond to 110 lb index (151 to 209 g/m ²)) | – | ✓ | – |
| Letterhead (29 lb bond to 60 lb cover (106 to 163 g/m ²)) | ✓ | ✓ | ✓ |
| Envelope (20 to 28 lb bond (75 to 105 g/m ²)) | ✓ ⁴ | ✓ | – |

*1 Some types of tracing paper cannot be used.

*2 Use only LTR transparencies made especially for this machine.

*3 Tab paper can only be fed from Paper Drawer 2 if the optional Tab Feeding Attachment Kit-B1 is installed.

*4 Envelopes can only be fed from Paper Drawer 2 if the optional Envelope Feeder Attachment-D1 is attached.

14.6 Paper Sizes and Feed Location Chart

The table below represents the available paper sizes and feed locations. Paper Drawers 3 and 4 and the Paper Deck Unit-B2 are optional.

✓: Available –: Unavailable

| Paper Size | | Width x Length | Paper Source | | | |
|---------------------|---------------|--|---|---|--------------------|--------------------|
| | | | Paper Drawer 1 | Paper Drawers 2, 3, and 4 | Multi-Purpose Tray | Paper Deck Unit-B2 |
| 12" x 18" | | 12" x 18" | – | ✓ | ✓ | – |
| 12 5/8" x 17 11/16" | | 12 5/8" x 17 11/16" | – | – | ✓ | – |
| 11" x 17" | | 11" x 17" | – | ✓ | ✓ | – |
| LGL | | 8 1/2" x 14" | ✓ | ✓ | ✓ | – |
| LTR | | 11" x 8 1/2" | ✓ | ✓ | ✓ | ✓ |
| LTRR | | 8 1/2" x 11" | ✓ | ✓ | ✓ | – |
| STMT | | 8 1/2" x 5 1/2" | – | – | ✓ | – |
| STMTR | | 5 1/2" x 8 1/2" | ✓ | ✓ | ✓ | – |
| EXEC | | 7 1/4" x 10 1/2" | ✓ | ✓ | ✓ | – |
| Envelope | ISO-C5 | 6 3/8" x 9" (162 mm x 229 mm) | – | ✓*1 | ✓ | – |
| | COM 10 No. 10 | 4 1/8" x 9 1/2" (104.7 mm x 241.3 mm) | – | ✓*1 | ✓ | – |
| | Monarch | 3 7/8" x 7 1/2" (98.4 mm x 190.5 mm) | – | ✓*1 | ✓ | – |
| | DL | 4 3/8" x 8 5/8" (110 mm x 220 mm) | – | ✓*1 | ✓ | – |
| Custom Size | | 3 7/8" x 5 9/16" to 12 5/8" x 18" (99 mm x 139.7 mm to 320 mm x 457.2 mm) | ✓ 5 1/2" x 7 1/8" to 12" x 15 3/8" (139.7 mm x 182 mm to 304.8 mm x 390 mm) | ✓ 5 1/2" x 7 1/8" to 12" x 18" (139.7 mm x 182 mm to 304.8 mm x 457.2 mm) | ✓ | – |

*1 Envelopes can only be loaded in Paper Drawer 2 if the optional Envelope Feeder Attachment-D1 is installed.

NOTE

For instructions on loading and orientating paper, see the *Maintenance e-Manual*.

15. Image Quality Capabilities

The table below describes the type of image quality the customer can expect when using the machine.



IMPORTANT

Following installation and set up, it is strongly recommended that owners of the imageRUNNER ADVANCE C5255 print and store samples of the image quality the product is capable of producing. These samples should serve as a benchmark against which subsequent image quality can be referenced. Samples should be made using as many applications, media, and paper types the owner intends to use on the imageRUNNER ADVANCE C5255.

| Item | Equipment Capability | Comment |
|--|---|---|
| Overall Document Appearance | No three dimensional appearance. Has look and feel of offset printing. Uniform look and feel. | |
| Color Uniformity | Color and images are uniform throughout the document. Gradations are smooth and even. | The most demanding customers may occasionally perceive a small amount of mottling in large uniform image areas. Extreme high-humidity conditions can lead to mottling. If the customer requires excellent uniformity, make sure that they follow an aggressive maintenance schedule, and operate the machine within the machine's environmental requirements. |
| Color & Image Quality Consistency/Stability | Color and image quality is consistent throughout the document, and from one document to another. | |
| Color Matching | Capable of rendering many of the Pantone color swatches that are used in the graphic arts industry. | |

Image Quality Expectations Table Continued

| Item | Equipment Capability | Comment |
|---------------------------|--|--|
| Line Quality | Even and fine lines can be reproduced. | Extreme high-humidity conditions can lead to the break up or blurriness of lines. |
| Black Reproduction | Blacks are well saturated without mottling. | Extreme high-humidity conditions can lead to mottling. |
| Text Quality | Sharp, well defined text. No hollow characters or haloing of text characters. | Extremely high-humidity conditions can lead to hollow or the haloing of characters. |
| Background Level | Stray toner in non-image areas is unperceivable. | Environmental conditions, such as low-humidity, can increase toner levels in the background. |
| Other Artifacts | As with any printing process, some artifacts, such as spots, void or deleted areas, mottling, streaks, and banding may occur. But, these artifacts are not significant for most users. | Proper servicing of the equipment and adherence to media and environmental requirements help minimize these occurrences. |

15.1 Customer-Defined Image Quality Adjustments and Recommendations

Customer-defined image quality adjustments enable a user to enhance the productivity of their machine. There are several user modes, such as the Adjust Image Quality and Paper Type Management Settings modes, which provide adjustment functions, to help maintain the desired image quality for each job. These settings also aim at reproducing optimal images under variable factors (i.e., changes in the environment and deterioration due to aging).

To achieve the best image quality the following factors are recommended:

- Tighter control of the temperature and humidity will result in tighter image quality consistency in the device.
- The device must be properly maintained, which includes performing preventative maintenance as scheduled.
- To maintain proper color calibration on the device, the customer should perform a Shading Correction and a Full Auto Gradation Adjustment once a day and whenever a change in print quality is noticed. Follow these guidelines to calibrate the machine properly:
 - When calibrating the machine, make sure to perform a shading correction first, then an Auto Gradation Adjustment on the engine, and then a calibration with the RIP.
 - If a user is using an EFI controller, use a high-quality, 28 lb bond (105 g/m²), 98% brightness, 11" x 17" or LTR sized paper when performing an Auto Gradation Adjustment.
 - If a user is using the Canon controller or off the glass copying, the user must calibrate the machine to the paper the user is using. For example, Heavy Paper 1, 2, or 3. Once the user's job is complete, it is recommended to recalibrate the machine using a high-quality, 28 lb bond (105 g/m²), 98% brightness, 11" x 17" or LTR sized paper.

15.1.1 Adjust Image Quality Modes

The Adjust Image Quality mode enables a user to make fine adjustments to the printed image. For more information on specifying the Adjust Image Quality modes, see “Adjustment/Maintenance,” in the *Settings/Registration e-Manual* included with the machine.

A user can adjust the following items through the Adjust Image Quality menu:

- Auto Adjust Gradation
- Correct Shading
- Full Color Printing Vividness
- Correct Density
- Auto Correct Color Mismatch
- Fine Adjust Zoom



IMPORTANT

- It is recommended that a user select [Full Adjust] when performing an automatic gradation adjustment. Select [Quick Adjust] to perform a quick, but less complete adjustment between regular full adjustment recalibrations.
- If a user specifies the Correct Shading mode, only 12 5/8” x 17 11/16”, 12” x 18”, 11” x 17”, or LTR plain paper can be used for the test pages. Make sure that a sufficient supply of the aforementioned paper sizes is loaded in a paper source before starting the Correct Shading procedure.

15.1.2 Paper Type Management Settings

The Paper Type Management Settings mode enables a user to improve the image quality output result by precisely registering the type of custom or standard paper settings the user frequently uses in the machine.

A user can adjust the following items through the Paper Type Management Settings menu:

- Basis Weight
- Type
- Adjust Creep Correction
- Finish
- Color



IMPORTANT

- The Paper Type Management Settings mode is only available from the Management mode.
- For more information on specifying the Paper Type Management Settings modes, see “Registering/Editing Custom Paper Types,” in the *Settings/Registration e-Manual* included with the machine.

16. Responsibility Matrix

| Action | Responsibility | |
|---|----------------|--------|
| | Customer | Dealer |
| Ensure adequate space and power to properly install the machine. | | |
| Verify floor strength and level. | | |
| Ensure that the equipment can be delivered to the site, and that the path is clear and unobstructed. | | |
| Unpack all delivered items. | | |
| Install all system hardware. | | |
| Connect all system components. | | |
| Install printer files and server. | | |
| Ensure network configuration, and confirm that the device is attached to the network. | | |
| Install client workstation network software. | | |
| Order and replace, as necessary, replaceable items (i.e., drum cartridges and toner). | | |
| Order and replace the waste toner container, as necessary. | | |
| Provide technical support. | | |
| Provide on-site support. | | |
| Establish an installation file of a typical job, and retain for future reference. | | |
| Perform a Correct Shading procedure once a day.*1 | | |
| Perform an Auto Gradation Adjustment once a day.*1 | | |
| Back up important data, such as Inbox and Address Book contents on the machine's hard drive periodically. | | |
| Secure data stored on hard drives and in the Advanced Box. | | |
| Storage of the TPM encryption key (if TPM setting is set to 'On'). | | |

*1 For more information, see "Adjustment/Maintenance," in the *Settings/Registration e-Manual* included with the machine.

Primary customer applications for using this equipment:

Special considerations or performance limitations:

I have received a copy of this document.

Customer:

Sales Person:
