xerox®

Xerox® Work Centre® 5945/5955 Series Multifunction Printer

Customer Expectation & Installation Guide

Xerox® WorkCentre® 5945/5955 Series

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1 Product Overview

WorkCentre 5900 series multifunction printers are powered by the Xerox® ConnectKey™ Controller. These simple-to-implement systems give you real, practical solutions that easily streamline how you communicate, process and share important information, simplify complex paper-driven tasks, and drive down costs while keeping your data secure.

Introduction

When at the workplace, the Xerox WorkCentre 5900 series gives your office staff the luxury of controlling device functions from any workstation. Plus, mobile professionals can stay connected to the communications tools and productivity solutions offered by the WorkCentre 5900 series – for more flexibility regardless of location.

Product Highlights

Convenience
Mobility offers a new flexibility in the enterprise, but with it comes new challenges as industry standards, government regulations and security threats evolve with the interactions of smart devices on the network.

Productivity
Paper-intensive industries like healthcare, finance, and the public sector are struggling to find efficient and cost-effective ways to bridge the paper to digital void.

Security
IT security managers are already overwhelmed with managing security demands of ever growing connected devices, threats and regulations. Small businesses don't really have the staff to manage security.

Environment
Your work environment is just a small piece of the puzzle that forms our natural environment. The choices you make impact the overall health of our planet, for better or worse; and office technology is a key consideration.

Product Configuration

Offsetting Center Tray

- Offset stacking of up to 400 sheets

Note: Convenience Stapler and Work Surface shown may be added to any 5945/5955.

Office Finisher

- Offset stacking of up to 2,000 sheets

- Multi-position single/dual 50-sheet variable length stapling. In-line stapling

- 2/3, 2/4 hole punch option

* In DMO developing markets the Finisher Transport assembly kit must be added for the Office Finisher and the Office Finisher with Booklet Maker

Office Finisher with Booklet Maker

- Offset stacking of up to 2,000 sheets

- Multi-position single/dual 50-sheet variable length stapling. In-line stapling

- 2/3, 2/4 hole punch option

- Score/Crease

- Saddle stitch & Fold up to 40 booklets, from 2-15 sheets (60 imposed pages).

2 Detailed Specifications

Product Specifications

System Specifications

Print Speed and Monthly Volume	5945	5955
Simplex Speed B&W	Up to 45 / 45 ppm	Up to 55 / 55 ppm
Recommended Average Monthly Print Volume[1]	15-75K pages 2.3 calls/year At 18K AMPV	20-100K pages 3.6 calls/year At 28K AMPV
Maximum Monthly Duty Cycle[2]	Up to 175,000 pages	Up to 200,000 pages

What exactly is Duty Cycle?
Duty Cycle is a print device's rated capacity to continuously perform work under normal conditions. It is usually expressed as the sustainable volume in letter- or A4-sized pages that can be printed per month.

Define the problem
When discussing a machine's capabilities, there is often a misconception about its Duty Cycle. Customers tend to think in terms of duty cycle, while Xerox thinks in terms of AMPV (Average Monthly Print Volume). Many print device vendors today do not define what these terms mean, how they are different, and how it affects a customer.

What are considered "normal conditions"?
Because Duty Cycle is based on how the printer performs under "normal conditions," you first must define what "normal conditions" are—and there are many factors that affect the execution of everyday print jobs. These include everything from the robustness of the machine and the types of applications being run to the physical environment in which the customer is printing.
In addition, any true measure of what constitutes "normal" must account for those occasions when a job is running at less than maximum speed. And as we all know, there are other times that for any number of reasons, a job isn't running and the machine sits idle. It's a natural part of the printing business. So to calculate Duty Cycle, Xerox took into account these "normal conditions", as well as the anticipated shift usage per week, to consider all factors that a machine and its operators may encounter when running print jobs.

What is the difference between AMPV and Duty Cycle?
Duty Cycle takes into account the actual capabilities of a machine with varying circumstances, while Average Monthly Print Volume (AMPV) is the volume an average customer is expected to produce on a machine in a month. AMPV reflects a range of an entire machine population's monthly usage, while Duty Cycle displays the potential to grow while still utilizing the machine. This is important to keep in mind because although a customer's typical print volume may fall into the AMPV range, the company may grow beyond the usual volume and printing capability of the machine. This is why when making a buying decision, a customer should look at their AMPV and the company's potential to grow.

Technology

Technology
Emulsion Aggregate (EA)Toner

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[1] The Average Monthly Print Volume is the expected regular monthly throughput.
[2] The Monthly Duty Cycle is the maximum volume capacity expected in any one month. This volume us supported under standard vendor supplied service for any single month but is not expected to be sustained on a regular basis. Customers should consider higher volume machines or multiple machines is average monthly volume approaches the maximum duty cycle on a continual basis.

Connectivity

Connectivity
10/100/1000Base-T Ethernet, High-Speed USB 2.0 direct print, Optional Wi-Fi (with Xerox® USB Wireless Adapter)

Device Specifications

Control Panel Language Support

Control Panel Language Support
US English, International English, International French, Italian, German, International Spanish, Dutch, Brazilian Portuguese, Swedish, Norwegian, Danish, Finnish, Turkish, Greek, Russian, Czech, Polish, Hungarian or Romanian, Catalan, Arabic

Certifications

- FCC Class A Compliant (US), ICES Class A Compliant (Canada)
- CSA Listed (UL 60950-1, Second Edition)
- CB Certified (IEC 60950-1, Second Edition)
- ENERGY STAR®
- GOST
- NOM
- Blue Angel
- Environmental Choice
- CE Marked
- EPEAT
- GS Mark
- Citrix® Certified
- WHQL
- Cerner
- MEDITECH
- SAP
- To view the latest list of certifications, go to www.xerox.com/OfficeCertifications

Accessory Options

- Envelope Kit (Inserts into Tray 2)
- Office Finisher
- Office Finisher with Booklet Maker
- Hole Punch for Office Finisher
- Convenience Stapler (includes Work Surface)
- Smart Card Enablement Kit
- Xerox Secure Access Unified ID System® (with USB Card Reader) with Follow-You Print™
- Walk up Fax (One- or Two-line options, includes LAN Fax)
- ScanFlowStore®
- Xerox® USB Wireless Adapter
- McAfee Integrity Control Enablement Kit
- XPS Print Option Kit

Foreign Device Interface (FDI) (Optional)	Also known as Auxiliary Access Device, this is an interface to third party access control devices, such as coin machines and card readers.

Dimensions and Weights

Configuration	Width	Depth	Height	Weight
Base Configuration	33.5 in / 850 mm	26.2 in / 665 mm	45.3 in / 1,150 mm	249lbs / 113kg
With Office Finisher	57.9 in / 1,670 mm	26.2 in / 665 mm	45.3 in / 1,150 mm	314 lbs / 142.5 kg
With Office Finisher (Booklet Maker)	60.2 in / 1,530 mm	26.2 in / 665 mm	45.3 in / 1,150 mm	349.5 lbs / 158.5 kg

Operating Environment

Operating Environment	5945/5955
Required Temperature Range	50° to 90° F (10° to 32° C)
Required Relative Humidity	15% to 85% RH
Altitude (above sea level)	Max of 8,200 (2,500 meters)
Sound Power Levels	Operating: 7.1 B(A) Standby: 5.0 B(A)
Sound Pressure Levels	Operating: 56 dB(A) Standby: 35 dB(A)

Electrical Requirements

Electrical	5945/5955
North America	Voltage : 110-127 VAC +/- 10% Frequency: 50/60 Hz +/- 3%, 15 A
Europe / Asia / South America / Africa	Voltage : 220-240 VAC +/- 10% Frequency: 50/60 Hz +/- 3%, 10 A

Power Consumption	5945	5955
Running (Average) Base unit with Offset Catch Tray Base unit with Office Finisher With Booklet Maker	1150 watts 1230 watts 1230 watts	1250 watts 1330 watts 1330 watts
Standby Mode		
Base unit with Offset Catch Tray Base unit with Office Finisher With Booklet Maker	45 watts 55 watts 55 watts	
Sleep Mode	3 watts (Default time to Sleep mode = 2 min.)	
Warm up from Power off	161 seconds	
Recovery from Low Power	< 4 sec.	
Recovery from Sleep	< 28 sec.	

Feature Specifications

Print	5945/5955
First Print Out Time[3]	As fast as 7.0 sec.
Resolution	Up to 1200 x 1200 dpi, 256 shades of gray
Registration	Printing registration specifications for 8.5 x 11" (A4): • ±1.5 mm (side 1), ±1.9 mm (side 2) along the lead edge • ±2.0mm (side 1), ±2.4mm (side 2) mm along the side edge from Trays 1-4 • Lead Edge is ±2.2 mm • Side edge ±3.0 mm for bypass tray • Skew registration specification from side-to-side feeding for 8.5 x 11" (A4): • from Tray 1-4 is ±3 mm (side 1), ±4 mm (side 2) • from Bypass tray skew is ±4 mm.
Max Printable Area	Print Max Image Area 291mm x 414mm or 10.8" x 16.8" (i.e. A3 - 3mm border or 11"x17" -0.1" border) Copy Guaranteed Image Quality Area: 287mm x 410mm or 10.6" x 16.6" (i.e. A3 - 5mm

[3] The first print and copy out times were measured with image quality setting at defaults, Reduction/Enlargement at 100 %, selecting and feeding a 8.5x11 / A4 plain paper sheet from tray 1 feeding to the bottom center tray without any finisher installed.

Print	5945/5955
	border or 11"x17" -0.2" border)
Print Features	Standard: • Print from USB, Earth Smart Driver Settings, Job Identification, Booklet Creation, Store and Recall Driver Settings, Bi-directional Status, Scaling, Job Monitoring • Application Defaults • Banner Sheet Enable / Disable • Bi-directional Status • Cover Selection • Delay Print (specific time) • User Permissions • Image Options (Toner Saver, Resolution (Standard, Enhanced, High) • Job Identification (Print ID or Banner, Print ID in margins on first page only or all pages) • Layout / Watermark (N-up (up to 16 pages per sheet), Multi-up, Booklet layout / finishing, Fit to new paper size) • Overlays • Paper Selection by Attribute • LAN Fax (requires optional Fax Kit) • Sample Set • Saved Job • Secure Print with Timed Deletion • Special Pages (exception page programming: covers, inserts, exception pages) • Store and Recall Driver Settings • Sustainability Features (Xerox® Earth Smart Settings, Duplex, N-up, Turn-off Banner and Print ID, Smart Sample Set, Hold All Jobs) • TWAIN Print Driver
	Optional: • Mobile Printing: Apple® AirPrint™, Xerox® Mobile Print®, Xerox® Mobile Print Cloud®
Print from USB	• Allows walk-up printing from Type A USB port on front panel • Supports direct printing from computer via Type B USB port • Supported file formats: PDF, JPEG, TXT
Xerox® Mobile Express Driver® (X-MED)	Makes it easy for mobile users to find, use and manage Xerox® and non-Xerox devices in every new location. Plug into a new network, and X-MED automatically discovers available printers and provides status and capability information. Save a list of "favorite" printers for each location, store application print settings for use on any printer in any network, and greatly reduce mobile support calls to IT.
Xerox® Global Print Driver®	A truly universal print driver that lets IT administrators install, upgrade and manage Xerox® and non-Xerox devices from a single driver. It provides a consistent, easy-to-use interface for end-users, reducing the number of support calls, and simplifying print services management.
Xerox® Pull Print Driver	Makes it easy for IT managers to qualify, deploy and manage all print devices using a single driver in a Pull Print environment. Uses a single queue and single driver. The Xerox® Pull Print Driver extends convenience across a broad range of printing assets. IT administrators no longer need to manage and configure multiple drivers. Used in conjunction with Xerox Secure Access Unified ID System®, Equitrac Office®, Ysoft® SafeQ®, Pharos® and others.
Print Solutions	
Xerox® Mobile Print Cloud	Xerox® Mobile Print Cloud addresses the needs of businesses with a mobile workforce and puts you ahead of the evolving mobile print need, but without

Print	5945/5955
(Optional)	burdening staff, budget or infrastructure. Getting started takes only a few minutes via the cloud. Print from any mobile device to nearly any brand of printer. Accurate printing with true Microsoft® Office® rendering and more. Print what you need, when, where and how you need it.
Xerox® Mobile Print Solution (Optional)	Xerox® Mobile Print Solution is an ideal choice for sites that have additional requirements for control and security with an onsite server. Xerox® Mobile Print Solution allows users to print from most mobile devices to nearly any brand of printer or MFP without drivers or added complexity. Simply enter a release code (PIN) at the device and get accurate printing with true Microsoft Office rendering and more to use with your server for private, onsite deployment.

Copy	5945/5955
First Copy Out Time[4]	As fast as 3.7 sec from the Platen. / As fast as 7.6 sec. from the Automatic Document Feeder
Sides	Input-to-Output: 1-1, 1-2, 2-2, 2-1
Quantity	1 to 9,999
Resolution (max)	Scan Up to 600 x 600 dpi; Print up to 1200x1200 dpi, 256 shades of gray
Reduce / Enlarge	Variable zoom from 25% to 400% in 1% increments
Features	• Annotation and Bates™ stamping (with color capability and font size adjustment) • Authentication for Services (i.e. Color Copy) • Auto Paper Select • Auto Reduction & Enlargement to fit selected paper size • Auto Tray Switching • Automatic 2-sided/Duplex • Booklet Creation • Build Job: (Enables page-level programming and also lets you proof each section or delete last section as the job is built) • Collation • Covers (Front only, front and back, back only, printed inside and out: Blank or Printed) • Dividers (blank) • Edge Erase • Features Help (Intuitive text and graphic descriptions) • ID Card Copy • Image Quality Adjustments • Image Shift (with Auto Center option) • Invert Image (negative or mirror image) • Large Job Interrupt • Multi-up (up to 15 columns by 15 rows) • Sample Set • Save Job Settings • Single Color • Stapling • Transparencies
Features	Xerox® Copier Assistant® (XCA) Software provides a PC-based alternative to the user interface touch screen. Used in conjunction with a customer-supplied PC attached via the USB port, this software supports text-to-speech, screen magnification and easy PC keyboard access to basic and advanced copy

Copy	5945/5955
	features. Section 508 compliant. For more information or to download Xerox® Copier Assistant for free, visit www.xerox.com

Scan	5945/5955	
Concurrency	Scan while the system is printing, copying, or while it is transferring scan to network or fax jobs (priority is for return of scanned originals and printing concurrent jobs)	
Input Speed	Scan at up to 160 ipm for color 8.5 x 11 in. / A4 LEF	Scan at up to 200 ipm black-and-white 8.5 x 11 in. / A4 LEF
Resolution	• 72 x 72 dpi to 600 x 600 dpi • Bit Depth: 1-bit (black-and-white), 8-bit (grayscale), Scan Default Resolution: 200 dpi	
Duty Cycle	145K Feeds	
Max Scan Area	11 x 17 in. / A3	
Scan Template Management	• Support 250 scan templates • Create Xerox® CentreWare® IS scan templates and share via device cloning to other MFPs • Confirmation sheet options	
Network Print Services	SFTP, FTP, SMB, NetWare, HTTP, HTTPS	
File Formats	• Color TIFF (TIFF 6.0 or TTN2 with JPEG, LZW) • Black-and-white TIFF (G3MH, G4 MMR compression - single or multiple pages) • Searchable PDF and PDF/A (MRC, JPEG, G3 MH, G4 MMR, JBIG 2 Huffman, JBIG Arithmetic Compression, Deflate (for Black-and-white and within MRC)) • JPEG • XPS • Encrypted / Password Protected PDF (Network Scan Templates only) • Adobe PDF version 1.7 • PDF/A-1, PDF/A2, PDF A/3 • PDF/X-1:2001, PDF/X-1a:2001, PDF/X-1a:2003, PDF/X-2, • PDF/X-3:2002, PDF/X-3:2003, PDF/X-4, PDF/X-4p, PDF/X-5 • PDF/X-5g, PDF/X-5pg, PDF/X-5n • PDF/A-1b is supported when scanning	
Document Management Fields (Meta Data)	Features only available in Network Scan to File Templates: • 1 to 6 user programmable metadata fields per network scan to file templates and unlimited fields within the template – Metadata field consists of field name, default value and other configurations • Customized fields viewed on user interface for variable data input	
Scan Features	Standard: Scan to Network, Scan to Email, Scan to Folder, Scan to SMB or FTP, Text Searchable PDF, PDF/A, XPS, Linearized PDF, JPEG, TIFF, Scan to USB Memory Device, Single Touch Scanning, TWAIN Support • Mixed Size Originals • Scan Build Job • Compression Quality/File Size Control • Original Type (Photo and Text, Photo, Text, Map, Newspaper / Magazine) • Auto Background and Shadow Suppression • Size for Size (for mixed size originals)	

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[4] The first copy out times are measured scanning a 8.5x11/A4 document on platen and delivered to the center tray.

Scan	5945/5955
	• TWAIN Driver • Bound Originals • Edge Erase • Reduction/Enlargement • Single touch scan buttons up to 10
	Optional: • ConnectKey for SharePoint®, ConnectKey Share to Cloud, Xerox® Scan to PC Desktop® SE and Professional, numerous solutions available through various Xerox® Business Innovation Partners
Supported Scan Destinations	Standard: • Scan to USB Drive • Scan to Email • Scan to PC / Server Client (SMB or FTP) • Scan to Mailbox • Scan to Secure FTP and HTTPS • Scan to Home • Scan to Application through EIP
	Optional: • Xerox® Scan to PC Desktop® (Professional and SE) • ScanFlowStore® • Xerox® ConnectKey™ for SharePoint® • Xerox® ConnectKey Share to Cloud • Various Xerox® Business Innovation Partner Solutions
Authentication	• Supports Kerberos (UNIX / Windows Server) • SMB (Windows Server) • NDS • LDAP • Xerox Secure Access Unified ID System® • Locally on device (internal database) • Convenience Authentication via Magstripe, Proximity and Smart Card (CAC / PIV and .NET) readers
Scan to Email Features (Standard)	Directory Access: • Address list via LDAP (Windows Archive Directory, Exchange, Notes, Domino) • Downloaded address list (comma-separated file format)
	• Email signatures (6 lines each of 128 character max), email message body (user configurable), email CWIS confirmation sheet options • Scan to Email S/MIME Encryption • Email Signing (requires Smart Card option) • Auto send to self
Network Scanning – Software Solutions	
Xerox® Scan to PC Desktop® Professional (Optional)	A desktop offering that provides advanced document imaging, archiving, editing and organization tools: • PaperPort Professional image viewing and file management software – Complete PDF functionality – Secure PDF workflow of all scanning applications • OmniPage Pro Office (for desktop/client installation) – Professional OCR software for digital archiving and document conversion • Image Retriever – provides fully automated retrieval of scanned images direct from a scan enabled Xerox® WorkCentre to individual desktops. Also includes email inbox polling capability
Xerox® ConnectKey™	• Xerox® ConnectKey for SharePoint simplifies and streamlines the way you scan, capture and

Scan	5945/5955
for SharePoint® (Optional)	store your paper-based documents. Using your Xerox® MFP, you can route documents directly into the precise document repository folder, just like you would from your PC. At the MFP, you can browse to the folder, name the document, and add any key indexing information before you scan. With the flexibility to capture and route to SharePoint as well as Windows folders, • ConnectKey is the right solution for any office that needs to archive and share paper-based documents.
Xerox® ConnectKey Share to Cloud (Optional)	• ConnectKey Share to Cloud provides organizations with powerful, easy and secure document scanning capabilities that connect your Xerox® MFP to popular cloud services and email, such as Google Docs™, SalesForce.com, Office 365 and Dropbox™ and gives employees anytime, anywhere access to their most important documents using mobile devices.

Fax	5945/5955
Fax Features	Standard: • Internet Fax, Fax Build Job, Network Server Fax Enablement (solutions available through various Xerox® Business Innovation Partners)
	Optional: • Fax Forward to Email or SMB, Walk-up Fax (one-line and two-line options, includes LAN Fax)
Network Server Fax Features	
Compatibility	ITU (CCITT) group 3 Various Xerox® Business Innovation Partner Solutions
Max Scan Area	11 x 17 in. / A3
Send Features	• One- or Two-sided Scanning (up to 11 x 17 in. / A3) • Add to Send List (50 numbers maximum) • Build Job, Speed Dial, Delay Send (specific time) Original Type (photo, text or photo and text)
Print Features	• One- or Two-sided Printing • Staple • Secure Print
Transmission Resolution	• Superfine: 400 x 200 dpi (Scan at 600 x 600 dpi) • Fine: 200 x 200 dpi • Standard: 200 x 100 dpi
Internet Fax Features	
Compatibility	• Direct print-ready document transmission to remote Internet Fax machines or email clients (SMTP) • Reception and automatic printout of documents sent via email from remote Internet Fax machines or email clients
Attachment File Format	• Send: Multi-page TIFF, PDF, PDF/A • Receive: TIFF, MTIFF, PDF, PDF/A, PS, text, PCL, PRN, JPEG
Resolution	• 100 x 100 dpi to 600 x 600 dpi • Bit Depth: 1-bit (black-and-white)
Network Protocols	SMTP (send), POP3 (receive)
Compliance	ITU-T T.37 compliant
Walk-up Fax Features (Optional (Customer-installable) – 1 and 2 lines)	

Fax	5945/5955
Compatibility	ITU (CCITT) group 3
Compression / Speed	MH/G3, MMR/SG3
Resolution	• Walkup Send: • Standard: 200 x 100 dpi • Fine: 200 x 200 dpi • Superfine: 600 x 600 dpi • Receive: Accepts all sizes
Fax Send Features	• LAN Fax (fax from print driver) • Auto Fax Transmission Reduction • Page-by-page Job Status at the Machine • Delay Start, Build Job, Favorites • Automatic Memory Resend • Automatic Cover Sheets • Device Address Book (up to 1,000 contacts)
Fax Receive Features	• One- or Two-sided Printing • Stapled or Unstapled • Receive Print Mode – Manual (size, margin, stock, header) / Auto • Output Tray Selection • Junk Fax Prevention • Up to 200 Password Protected Mailboxes • Secure Receive • Receive Timestamp • Auto Answer Delay
Fax Forward	• Forward to Email or SMB Location • Fax Forward on Receive Only
Fax Reports	• Activity, Dial Directory, Group Directory, Transmission Confirmation, Pending Fax, Options Report, On Demand Overwrite • Report, Mailbox Report, Broadcast Report
Auto Dialing	• Speed Dials: 5,000 total (one- or two-line options) • Group Dials: Up to 200 groups with up to 400 recipients per group (one- or two-line options) • Auto Redial: Up to 14 attempts (per country requirements) • 1 to 25 minute intervals • Batch send (up to memory capacity)

Security	5945/5955
Security Features	Standard: • McAfee® Embedded, McAfee ePolicy (ePO) Compatible, HDD Overwrite, 256-bit Encryption (FIPS 140-2 compliant), Common Criteria Certification (ISO 15408), Secure Print, Secure Fax, Secure Scan, Secure, Email, Cisco® TrustSec Identity, Services Engine (ISE) Integration, Network Authentication, SSL, SNMPv3, Audit Log, Access Controls, User Permissions
	Optional: • McAfee Integrity Control, Xerox Secure Access Unified ID System® with Follow-You Printing®, Smart Card Enablement Kit (CAC/PIV/.NET)
	• Expanded Authentication – Network authentication to access device and/or device services via- Kerberos (UNIX / Windows Server 2003 / Windows Server 2008), SMB (Windows 2000 / Windows Server 2003 / Windows Server 2008), NDS, LDAP – Xerox Secure Access Unified ID System® – Local Authentication (internal database) – Smart Card authentication -144k CAC / PIV Card Support (2048 bit certificate key) /.NET

Security	5945/5955
	• Secure Data – Digitally signed PDF (when using Smart Card authentication) – Encrypted Scan to Email – Encrypted Password Protected PDF (when using Network Scan Templates only) – Secure Print (up to 10 digit PIN or Network Authentication) – Immediate Image Overwrite – On Demand Image Overwrite (Scheduled, Manual), includes sanitation of unused area of disk – FIPS 140-2 256 bit Hard Disk Encryption • Expanded Authorization – SA access based on network credentials – Authorization per user per service – User Permissions required to access Print and Print Features (e.g. color access, or time restrictions) reflects in the print driver • Secure Network Access • IP Filter, IPsec, IPv6, SSL, SNMPv3, HTTPs, 802.1X, Cisco® TrustSec integration (optional), Device Security – McAfee® Embedded Security, Port disablement including USB ports, Audit Log, Hide Print Job Names, McAfee Integrity Control (optional) • Common Criteria Certification ISO 15408
Secure Access Unified ID System® (Optional)	• Xerox Secure Access Unified ID System® integrates your Xerox® multifunction systems with your existing employee/student ID PIN or badge providing a flexible and convenient authentication system. Allow your staff, employees or students to send documents to a centralized print server. Then, at any multifunction printer on the network, they'll simply log in with a swipe of their magnetic or proximity ID card or their PIN to securely print their job. • For more information, go to www.office.xerox.com/software-solutions

Accounting

Features	5945/5955
Xerox® Standard Accounting (Copy, Print, Scan, Fax, Email)	
Tracking	Copy, Print, Fax, Scan and Email usage
Accounting	• Up to 2,497 User accounts (User ID) • Up to 500 General accounts (Client) • Up to 498 Group accounts (Department)
Features	• Administrator can manage the feature via the Web User Interface or device control panel in tools • Administrator has the ability to import or export user accounts, Group Accounts, General Accounts and User limits via an industry standard CSV file
Optional Features	
Optional Accounting Features	Equitrac Office®, Equitrac Professional®, YSoft SafeQ®, other network accounting solutions available through various Xerox® Business Innovation Partners
Network Accounting – Third Party Enablement	Enhanced network accounting with up to the minute data on how the system is being used • Comprehensive management and enterprise scale tracking and reporting of device usage of copy, print, scan and server fax • Numerous solutions are available through Xerox® Alliance Partners. For details visit www.xerox.com • Security enhancements with the addition of

	HTTPS protocol support
	• WorkCentre requests account authentication from third party server enabling larger databases of users and accounts
	• Accept Authentication Login at control panel and pass to third party Networking Account
	• Interface with third party accounting terminal for accounting user interface

Device Management

Features	5945/5955
Management Support	• SNMP Version 1. SNMP Version 2c and SNMP Version 3 trap over TCP/IP and IP • MIB access (IETF-MIBII RFC 1213), Host Resources • MIB RFC 2790, Printer MIB RFC 1759 v.2
Xerox® CentreWare® Web	A Web-based server application for network administrators that permits Web browser-based device management from any workstation, whether running Windows, UNIX or any other operating system: • Works with any SNMP-managed printer from any manufacturer. • Provides help with device discovery and installation, health checks and troubleshooting, and device upgrades, as well as basic accounting and asset management. • Requires Windows XP, Vista or Windows 7 and Internet Explorer 6.0 and higher. • CentreWare Integration available for Tivoli® NetView®, Unicenter TNG®, Microsoft Management Console (MMC), HP® OpenView®
Novell NDPS/NEPS	Server gateway application: centralized management tool.
Xerox® Device Manager	Xerox® Device Manager collects and manages the data that drives fact-based decisions for your enterprise device management environment. It is a single tool to install print queues and configure, manage, monitor and report on both networked and locally connected devices – regardless of vendor – across your enterprise. Xerox® Device Manager provides: • Device monitoring and troubleshooting • Extensive reporting and discovery of new devices • Usage collection, chargeback and billing capabilities
Xerox® Device Types for SAP Environment	• Xerox, together with SAP through our Gold-level membership in the SAP Printer Vendor Program, provides seamless connectivity between SAP systems and your Xerox® printers and MFPs. And as an SAP customer you benefit from having SAP-certified Xerox® device types available right from SAP's online delivery model. SAP-certified device types for Xerox® printers and MFPs are available to download. www.office.xerox.com/software-solutions
Xerox® SAP R/3 Intelligent Barcode Utility (optional)	• Provides built-in process intelligence that allows the printing of barcodes on any appropriately configured PostScript printer in specific versions of SAP environment and within Latin-1 (ISO8859-1) SAP system code pages only. Used in conjunction with Xerox® PostScript Device Types for SAP environment and Xerox® Font Center Barcode Fonts. Information available at www.office.xerox.com/software-solutions
Xerox® Barcode Pro PS (optional)	• Enables intelligent PostScript printing on Xerox® multifunction systems by storing Xerox®

Features	5945/5955
	software, as well as, the barcode fonts on the printer hard disk. Enables the printing of barcodes from any application (SAP client or mainframe) that supports PostScript printing. Information available at www.office.xerox.com/software-solutions
CentreWare Internet Services – Integrated Web Pages Provided by the Device	
Device Status	Web server embedded in Network Controller: • Tray status/contents • Consumables status • Alerts
Job Submission	• Print ready files: PS, PCL, TIFF, PDF, JPG, XPS • Output feature selection (2-sided, output color, collate, orientation, staple, hole punch, folding, output destination) • Delivery options (Immediate, sample set, delay and secure, Save job or reprint)
Administration	Allows simple, remote installation setting of configuration options and management of the device
Browsers	• Internet Explorer 7.x, 8.x, 9.x • Safari 5.x • Mozilla Firefox 4.x, 5.x, 6.x, 7.x, 8.x, 9.x, 10.x, 11.x • Opera 11.x • Chrome 12
Support	Install print / scan drivers and online support available via web page
Languages Supported	International English, International French, Italian, German, International Spanish, Dutch, Brazilian Portuguese, Swedish, Norwegian, Danish, Finnish or Russian, Simplified Chinese, Korean, Japanese, Arabic
Remote Services	
Meter Assistant®	• Automates the process of collecting and submitting meter reads for tracking and billing of Xerox® device usage. • Eliminates the need for time-consuming end-user involvement and ensures that meter reads are submitted to Xerox on time.
Supplies Assistant®	Automatically orders supplies for Xerox® output devices based on actual usage, eliminating the need to manually manage supplies inventory.
Maintenance Assistant®	Offers a fast (and free) way to resolve potential issues and receive assistance and automate the troubleshooting/repair process. Diagnostic data is sent to Xerox, allowing for problems to be solved faster with increased uptime.

Controller/Print Server

Controller	5945/5955
Processor	1.0 GHz Dual-core
Memory	2 GB system plus 1 GB page memory
System Disk	250 GB
Display	
PDLS	Page Description Languages: • Adobe® PostScript® 3™, PDF, PCL® 5c / PCL 6, XML Paper Specification (XPS®) (Optional)
Operating Systems	• Microsoft® Windows® XP (32- and 64-bit) • Windows Server 2003 (32- and 64-bit) • Windows Server 2008 (32- and 64-bit) • Windows Server 2012 • Windows Vista (32- and 64-bit) • Windows 7 (32- and 64-bit) • Windows 8/8.1 (32- and 64-bit)

Controller	5945/5955
	• Windows 10 (32- and 64-bit) • Mac OS 10.8, 10.9, 10.10 • Redhat® Fedora® Core 20 x86 • Redhat Enterprise 4 and 5 • openSUSE® 13.1 x64 • Ubuntu® • Unix®
Features	• Unified Address Book • Remote Control Panel • Online Support • Configuration Cloning
Connectivity	Network Protocols: • TCP/IP: HTTP/HTTPS, Internet Printing Protocol, LPR/LPD, Raw Socket Printing/Port 9100, IPv4/IPv6, WSD • NetWare: Bindery and NDS IPX/SPX, NDPS®/NEPS (with Server Gateway) • AppleTalk®: EtherTalk®

Controller	5945/5955
	• Microsoft Windows Networking over IP • Bonjour® • IPv6 • Secure FTP • Most protocols not in use can be disabled
	Administrative Protocols: • DHCP, BOOTP, SNMP, WINS, SLP® v2, HTTP, HTTPS, DHCP Autonet, SSL, NTP, DNS, SSDP
Fonts	• PCL: 93 scalable fonts, line printer and bitmap font • PostScript 3: 173 Type 1 fonts, 2 Multiple Master fonts

System Productivity

Productivity

The WorkCentre 5945/5955 is a document printer. The printer may cycle down between each page depending on job complexity.
Overall system performance ('Click to Clunk' time) is primarily dependent upon the software applications and network environment being used.
Rasterizing (RIP-ing) is only a small fraction of Click to Clunk time.
The continuous print speeds shown in table below are for feeds from Trays 1 – 4. Speed from Bypass Tray (5) will be reduced by 10-20%.

Size	Weight	WorkCentre 5945 Speed		WorkCentre 5955 Speed	
		Simplex ppm	Duplex ipm	Simplex ppm	Duplex ipm
8.5x11/A4 LEF	16lb – 28lb Bond (60gsm – 105gsm)	45 ppm	45 ipm	55 ppm	55 ipm
11x17/A3 SEF	16lb – 28lb Bond (60gsm – 105gsm)	31 ppm	31 ipm	31 ppm	31 ipm
8.5 x 14 /B4 SEF	16lb – 28lb Bond (60gsm – 105gsm)	36 ppm	36 ipm	36 ppm	36 ipm
5.5 x 8.5 / A5 SEF	16lb – 28lb Bond (60gsm – 105gsm)	45 ppm	45 ipm	55 ppm	55 ipm
8.5x11/A4 LEF	Transparency	45 ppm	45 ipm	55 ppm	55 ipm
8.5x11/A4 LEF	Lightweight Cardstock 28lb Bond – 90lb Index (106gsm – 169gsm)	45 ppm	45 ipm	55 ppm	55 ipm
11x17/A3 SEF	Lightweight Cardstock 28lb Bond – 90lb Index (106gsm – 169gsm)	31 ppm	31 ipm	31 ppm	31 ipm
8.5 x 14 /B4 SEF	Lightweight Cardstock 28lb Bond – 90lb Index (106gsm – 169gsm)	36 ppm	36 ipm	36 ppm	36 ipm
8.5x11/A4 LEF	Gloss 80lb Text – 100lb Text (106gsm – 169gsm)	45 ppm	45 ipm	55 ppm	55 ipm
11x17/A3 SEF	Gloss 80lb Text – 100lb Text (106gsm – 169gsm)	31 ppm	31 ipm	31 ppm	31 ipm
8.5 x 14 /B4 SEF	Gloss 80lb Text – 100lb Text (106gsm – 169gsm)	36 ppm	36 ipm	36 ppm	36 ipm
8.5x11/ A4 LEF	Cardstock 65lb Cover – 140 lb Index (170gsm – 256gsm) and Heavyweight Cardstock 140 lb Index – 110 lb Cover (257gsm – 300gsm)	45 ppm	45 ipm	55 ppm	55 ipm
11x17/ A3 SEF	Cardstock 65lb Cover – 140 lb Index (170gsm – 256gsm) and Heavyweight Cardstock 140 lb Index – 110 lb Cover (257gsm – 300gsm)	31 ppm	31 ipm	31 ppm	31 ipm
8.5 x 14 /B4 SEF	Cardstock 65lb Cover – 140 lb Index (170gsm – 256gsm) and Heavyweight Cardstock 140 lb Index – 110 lb Cover (257gsm – 300gsm)	36 ppm	36 ipm	36 ppm	36 ipm

Size	Weight	WorkCentre 5945 Speed		WorkCentre 5955 Speed	
8.5x11/A4 LEF	Glossy Cardstock 65lb Cover – 140 lb Index (170gsm – 256gsm) and Heavy Glossy Cardstock 140 lb Index – 110lb Cover (257gsm – 300gsm)	45 ppm	45 ipm	55 ppm	55 ipm
11x17/ A3 SEF	Glossy Cardstock 65lb Cover – 140 lb Index (170gsm – 256gsm) and Heavy Glossy Cardstock 140 lb Index – 110lb Cover (257gsm – 300gsm)	31 ppm	31 ipm	31 ppm	31 ipm
8.5 x 14 /B4 SEF	Glossy Cardstock 65lb Cover – 140 lb Index (170gsm – 256gsm) and Heavy Glossy Cardstock 140 lb Index – 110lb Cover (257gsm – 300gsm)	36 ppm	36 ipm	36 ppm	36 ipm

* Auto Duplex capable up to 80 lb Cover / 220gsm max or 169 gsm coated paper
LEF = Long edge feed; SEF = Short edge feed

Note: Heavy and Glossy papers may result in increased image mottle. It is recommended that high quality papers available through Xerox, with even paper formation, be used to minimize the amount of mottle.

Feeding Specifications

Automatic Document Feeder

	5945/5955	
Duplex Automatic Document Feeder		
Capacity[5]	200 sheets	200 sheets (Single-pass DADF)
Speed	• up to 160 image per minute black-and-white (Simplex)	• up to 200 images per minute black-and-white (Duplex)
Paper Sizes Sensed	5.5 x 8.5 in. to 11 x 17 in. / A5 to A3	
Weights	16 lb. bond to 32 lb. bond / 50 gsm to 160 gsm	

Envelope Tray (Inserts into Tray 2)	
Capacity	Up to 50 Envelopes
Sizes	#10 Commercial (9.25 x 4.125 in.)
Weights	20 lb. bond to 24 lb. bond / 75 to 90gsm
Bypass tray	
Capacity	Tray 5: 100 sheets
Standard Sizes	Min: postcards, envelopes Max: A3 SEF, 11x17" SEF
Custom Sizes	Min: 4.25x5.5"/108 x 140mm[6] Max: 11x17"/A3
Weights	16 lb. bond to 80lb. cover / 60to 216 gsm
Supported Media Types	• Bond • Carbonless • Card Stock • Envelopes • Hole punched • Labels • Letterhead • Plain • Preprinted • Recycled • Transparencies (Clear, white stripe) • Glossy • Custom
Trays 1 and 2	
Capacity	Trays 1-2: 500 sheets each;

Standard Sizes	Tray 1: Min: A5 SEF, 8.5x5.5" SEF
	                 Max: A3 SEF, 11x17" SEF
	Trays 2: Min: A5 SEF, 8.5x5.5" SEF
	                 Max: A3 SEF, 11x17" SEF

Custom Sizes	Tray 1: Min: 5.5x7.5"/140 x 182mm
	                 Max: 11.7x17"/297 x 432mm
	Trays 2: Min: 5.5 x 7.5"/140 x 182mm
	                 Max: 11.69x17"/297 x 420mm

Weights	16 lb. bond to 140 lb. index / 60 to 200gsm
Supported Media Types	• Bond • Card Stock • Glossy • Hole punched • Labels • Letterhead • Lightweight Card Stock • Plain • Preprinted • Recycled • Transparencies (paper backed) (Tray 2 only) • Custom
High Capacity Tandem Tray[3] trays 3&4(Total 3,600 sheets) (Available with all configurations)	
Capacity[v]	Tray 3: 1600 sheets Tray 4: 2000 sheets
Standard Sizes	Tray 3: A4 LEF or Letter LEF Tray 4: A4 LEF or Letter LEF
Custom Sizes	Tray 3: Custom sizes not supported Tray 4: Custom sizes not supported
Weights	16 lb. bond to 140 lb. index / 60 to 216 gsm
Supported Media Types	• Bond • Card Stock • Custom • Glossy Card Stock • Hole punched • Letterhead • Lightweight Card Stock • Lightweight Glossy Card Stock • Plain • Preprinted

Finishing Specifications

Center Offsetting Tray	
Capacity	• Up to 400 Sheets of 20lb. bond/80gsm

Office Finisher (Optional)	
Capacity	Top tray Capacity 250 sheets of unstapled of 80gsm Stacking Tray: 2,000 sheets unstapled or 1,000 sheets single stapled or 750 sheets dual stapled (8.5 x 11 in. / A4)
Sizes	Top tray: 4.25x5.85 in. to 11x17 in. /A6 to A3 Stack tray: 5.5x8.5 in. to 11x17 in. / A5 to A3
Weights	16 lb bond to 80 lb cover / 60 to 216 gsm
Multiposition Stapling	50 sheets of 20 lb. bond / 80 gsm
Hole Punch (Optional) North America: Europe:	• 2-3 Hole Punch • 2-4 Hole Punch

Office Finisher with Booklet Maker (Score/Crease, Saddle-stitch Staple) (Optional)[7]	
Capacity	Top tray Capacity 250 sheets of unstapled of 80gsm Stacking Tray: 2,000 sheets unstapled or 1,000 sheets single stapled or 750 sheets dual stapled (8.5 x 11 in. / A4)
Sizes	Top tray: 4.25x5.85 in. to 11x17 in. /A6 to A3 Stack tray: 5.5x8.5 in. to 11x17 in. / A5 to A3
Weights	16 lb. bond to 80 lb. cover / 60 to 220 gsm
Multiposition Stapling	50 sheets of 20 lb. bond / 80 gsm
Hole Punch (Optional) North America: Europe:	• 2-3 Hole Punch • 2-4 Hole Punch
Booklet Making capacity	• 40 Booklets (2-15 sheets per booklet-20 lb. /80gsm or less • Booklet saddle stitching available with Short Edge Feed (SEF) paper sizes 8.5x11", 8.5x13", 8.5x14", 11x17",", A4, A3,. The Finisher Booklet Maker Tray can accommodate up to 20 sets of up to 15 sheets per set when stapled. Booklets can consist of 2 to 15 sheets of 20b (80 gsm)
Booklet Making Sizes	Letter-8.5x11 in. /A4 SEF Legal-8.5x11 in. /B4 SEF Ledger-11x17 in. / A3 SEF
Saddle- Stitch Stapling	2-15 sheets / 8-60 page booklet 16 lb. bond to 24 lb. bond / 60 to 90gsm
Score/Crease	1-15 sheets / unstapled

Convenience Stapler (Optional - Includes Work Surface)	
Capacity	50-sheet stapling • 5,000 staples • Requires a separate outlet

Media and Substrate

For more detailed information on throughput materials, please refer to your local Xerox Sales Representative.

- Recommended paper to maximize image quality and product reliability is Xerox Color Xpressions Select 24lb or Xerox Colour Impressions 90gsm (smooth bright white paper). This paper is specifically designed to maximize image quality and machine performance over a wide range of environmental conditions.
- Using coated (e.g., gloss, matte coated or photo finished / proofing) and/ or Cardstock (i.e., >90lb Index / 164 gsm) stock may result in degraded reliability performance. Customers using these materials exclusively or extensively will see decreased performance as it relates to image quality and product reliability.
- Attempts to feed heavier than recommended paper stocks, and/or misuse of the media settings, may cause machine damage or poor image quality. Using media at run modes other than that recommended for the grade may cause poor image quality and machine damage.

- Envelope printing should not be used as a primary application
- Envelopes without windows are supported through the bypass tray in sizes Monarch, DL, C5, and No 10 (other custom sizes are supported as well). Envelope feeding reliability is highly dependent on the envelope used and the area coverage of the image being affixed to the envelope.
- The optional envelope tray inserts into Tray 2. Customer is responsible for installing the envelope tray.
- Specialty media may not provide optimum image quality at the extremes of the environmental range

Transparencies
- Transparencies are supported from Tray 5 (Bypass) for clear and white stripe varieties and from Tray 2 for paper backed variety only.
- Use of other transparencies may cause machine damage and result in excessive service

Xerox Sustainability

Environmental Features
- The WorkCentre 5900 series delivers cutting-edge reductions in energy consumption.
- Conserve Energy with Green Technologies
  - Emulsion Aggregate (EA) Toner: With ultra low-melt technology achieves minimum fusing temperature at 68 degrees F (20 degrees C) lower than conventional toner for even more energy savings and brilliant glossy output even on ordinary paper.
  - LED scanner: The power consumption of the scanner using LED lighting is 1/3 of traditional scanners using fluorescent lamps.
- Manage Resource Usage and Print Responsibly
  - Energy Management. With Cisco® EnergyWise, enabled by Xerox® Power MIB (Management Information Base), you can control, manage and report your device's power consumption information, and set optimal power states and timeout intervals.
  - Earth-smart printing. Innovative new Earth Smart feature allows you to choose the most environmentally sensitive options for your print jobs.

- Xerox® operates a worldwide equipment take back and reuse/recycle program. Contact your Xerox® sales representative (1-800-ASK-XEROX) to determine whether this Xerox® product is part of the program. For more information about Xerox® environmental programs, visit www.xerox.com/environment.

3 Maintenance and Support

This section helps define the support and services that Xerox will supply and what is expected of the customer.

Customer/Operator Maintenance

See Section 4

Support Services

Call Procedure

The Xerox Customer Support Centers are available to provide general information, answer questions and take service calls. You can reach the Customer Support Center at the following toll-free phone numbers:

Technical Support Contact Information		
Geography	Country	Phone Number
North America	US	1-800-821-2797
	Canada	1 800 939 3769
	Mexico	01.800.00.Xerox (93769) Opción 2
South America	Argentina	0800-222-XEROX (0800-222-93769)
	Bolivia, Plurinational State of	0800-222-XEROX (0800-222-93769)
	Brazil	4004-4050 (capitais e regiões metropolitanas) 0800 979 3769 (demais localidades)
	Chile	800-200-600
	Colombia	+01 8000 410071 / (571) 489 0071
	Paraguay	0800-222-XEROX (0800-222-93769)
	Uruguay	0800-222-XEROX (0800-222-93769)
	Venezuela	+0800 7746837
Western Europe	Austria	0043 1 207 9000
	Belgium	32 2 713 14 52 352 48 01 23 (Luxembourg)
	Denmark	70107288
	Faroe Islands	00 298 344001
	Finland	(09) 6937 9666
	France	0 825 012 013
	Germany	069 999915632
	Greece	801 11 93769
	Greenland	+299 36 35 34
	Iceland	+354 440 9000
	Ireland	1890 925 050
	Italy	199 309 241
	Luxembourg	32 2 713 14 52 352 48 01 23 (Luxembourg)
	Monaco	0825 03 30 10
	Netherlands	020 6563620
	Norway	815 00 308
	Portugal	707 200 578
	Spain	902 200 169 opción 2
	Sweden	0771-17 88 08
	Switzerland	043 299 90 00
	United Kingdom	0870 900 5501

Training

If requested, customer training is available by contacting your local Sales Office and may be fee based.

Product Sustainability

Packaging take-back service for Xerox branded products:
Whenever possible, we encourage you to recycle packaging locally as it reduces greenhouse gas emissions associated with transportation. However, if unable to recycle locally, please check with your local sales and service team for recycling instructions.

Supplies and Consumables

Item	Reorder #	Units per Carton	Yield	Comments
Black Toner*	006R01604	2 Cartridge	88K	WW metered
	006R01605	2 Cartridge	88K	US/XCL/XE sold
	006R01606	2 Cartridge	88K	DMO sold
Smart Kit Print Drum Cartridge (45/55ppm)	013R00669	1 Cartridge	200K	1 Supplied with Product
Smart Kit Fuser Module (NA)	013R00847	1 Cartridge	350K	
Smart Kit Fuser Module (Europe)	013R00848	1 Cartridge	350K	
Staple Refills – Office Finisher	8R12941	3 Refills	5K each	
Staple Refills – Convenience Stapler	8R12941	3 Refills	5K each	
Staple Cartridge – Office Finisher	8R12964	1 cartridge	5K each	1 Supplied with Option
Staple Cartridge – Convenience Stapler	8R12964	1 cartridge	5K each	1 Supplied with Option
Staple Cartridge – Office Finisher with Booklet Maker	108R01158	4X cartridges	2K each	2 Supplied with Option

Recommended Supplies

The supplies that should be stocked at the customer site in order to perform daily and periodic maintenance and to keep the device printing, will vary depending on monthly print volume, type of maintenance contract, and applications. Check with the local service and sales team for details.

* Approximate yield 88K pages per 2 cartridge carton. Declared Yield based on manufacturing defaults with 5 page job size, 6% area coverage, using letter-/ A4-size media. Yield will vary based on media size, image area coverage, media orientation and usage patterns.

4 Installation

Roles and Responsibilities

This section is key to clearly state Xerox and the customer roles and responsibilities and necessary actions.

Responsibility Matrix

Action	Customer	Xerox
Ensure adequate space and power to configure the WorkCentre 5945/5955	X	
Unpack system / components		X
Install system hardware (excluding envelope Tray)		X
Install Envelope Tray	X	
Connect all System Components prior to powering up the system		X
Ensure network configuration	X	
Confirm network integrity	X	
Acquire and install client software including print drivers	X	
Configure Workflow Scanning	X	
Run initial software diagnostics when directed	X	
Monitor and adjust as required	X	
Load any additional fonts	X	
Procure BNC transceiver for network connection (if needed)	X	
Order and replace SMart Kits (Drum cartridges, Second Bias Transfer Roll, transfer belt cleaner, and Waste Toner Cartridge, etc.) as needed.	X	
Provide Help Line support		X
Provide spared parts		X
Provide service		X

Primary customer WorkCentre 5945/5955 applications:

_____

_____

_____

Special considerations or performance limitations identified by Xerox and agreed to by the customer:

_____

_____

_____

Connectivity for Remote Services

	For Client Review of Expectations for Remote Services:
1	To the extent necessary to fulfill Services, Customer grants Xerox, without charge, Remote Data Access. Remote Data Access shall be enabled by Customer prior to the commencement of Services via a method prescribed by Xerox and Customer shall cooperate and assist Xerox in providing Remote Data Access. Unless Xerox deems Devices incapable of Remote Data Access, Customer is responsible to ensure that Remote Data Access is maintained at all times Services are being performed, and Xerox will not be responsible for failures to meet service levels where Remote Data Access is not fully maintained by Customer.
2	Upon Xerox's request, Customer shall also provide key contact information, such as IT contact name and phone number for support of their Devices on the their network.
3	Most Xerox equipment is supported and serviced using data that is automatically collected and transferred to Xerox via electronic transmission from equipment through the Customer's network ("Remote Data"). This Remote Data is considered confidential information under the service agreement terms.
4	Remote Data transmitted from Customer may include device information such as registration, meter read, supply level, configuration and settings, software version, and problem/fault code data and may be used by Xerox for billing, report generation, supplies replenishment, support services, on-going and future site optimization opportunities and product improvement purposes.
5	Remote Data Access may also enable Xerox to make available to the customer maintenance releases or upgrades for software or firmware and to remotely diagnose and modify devices to repair and correct faults.
6	Remote Data will be transmitted to a secure off-site location in a secure manner specified by Xerox in accordance with Xerox published policies on information security [at http://www.xerox.com/information-security/enus.html] for your region.
	Install Support
7	**For Install Support that includes Xerox System Analysts:** Customer shall contact and/or be contacted by their Xerox Systems Analyst. **For Install Support that does not include Xerox System Analysts:** Customer shall first utilize their Product System Administrator Guides available at Xerox.com, under the Support and Drivers link and by selecting documentation for their desired product. If unsuccessful, the Customer should go to Xerox.com and select "Technical Product Support" within the "Contacts" link to determine the appropriate contact for further support.
	Connectivity Information
8	See Table Below

Setup Remote Services on Xerox device:			
		Who?	
Use the following to begin the establishment of Remote Services for your new Xerox device. This is not to replace the product System Administrator Guide or Installation Guide but to identify certain install tasks that can be completed before and after the delivery of your device. In order to take advantage of Xerox offerings, Device Direct and/or Xerox Device Agent (like XDA lite) software must be installed and devices connected and communicating to Xerox. These offerings may include Automatic Meter Reads, Automatic Supplies Replenishment and Remote Diagnostics Support for your device(s). The following needs to be completed <u>where applicable</u>:	Customer	Professional Services/Partner	Customer Service Engineer
PRE-DELIVERY: Device Networking Tasks:			
1. **Non-Production Devices:** After signing agreement with Xerox, an email will be sent to you with a web link to download the appropriate software to install on a PC/server that is operational 24/7.	X		
2. **Print Driver Software:** Go to the "Support and Drivers" link on Xerox.com. If applicable, print drivers will be available to download and install on your client devices.	X		
3. **Installation by Professional Services:** To ensure Device Remote Connectivity can be established, network data will need to be collected by a Xerox Systems Analyst. A configuration form will be provided and require completion for each device documenting connectivity and network information. Each individual device will require a configuration form, unless all devices are to be configured in the same manner. In those cases, one configuration form along with a list of applicable serial numbers on a separate sheet is acceptable.		X	
4. **IT Policy Compliance:** You (customer) are responsible for obtaining approval for any internal IT policy compliance required for the Xerox device/software to communicate via your intranet / internet to Xerox.	X		
POST-DELIVERY/INSTALL: Device Networking Tasks:			
5. **Ethernet Cable:** You (customer) need to provide an Ethernet cable for the device to the network drop. Cable Connection can be completed by customer or installer depending on requirements.	X	X	X
6. **Sustaining Connectivity:** Remote Connectivity must be maintained to take advantage of Xerox offerings. Offerings include Remote diagnostics, supplies replenishment, and meter reads from appropriate products.	X		

7. **Device Direct (DD) Communications:** Each device will need to be communicating to Xerox through the internet via the Xerox Device Direct method for Remote Diagnostics support. Follow the steps below (customer) to find how to setup Device Direct, if required. **Setting up Device Direct:** A) Go to the "Support and Drivers" link on Xerox.com. – Search for your product, then click on the Support link for that product. – In the search field, enter "Enroll SMart eSolutions" and follow the instructions provided. B) If the search does not return any instructions: – Click on the Documentation link for your product. – Open the System Administrators Guide and refer to the section of the guide which provides information regarding Smart eSolutions Setup and follow the steps provided.	X	X	X

Installation Planning

Main Components
The WorkCentre 5945/5955 is delivered with Print Engine, Scanner and Embedded Network Controller

Module Dimensions

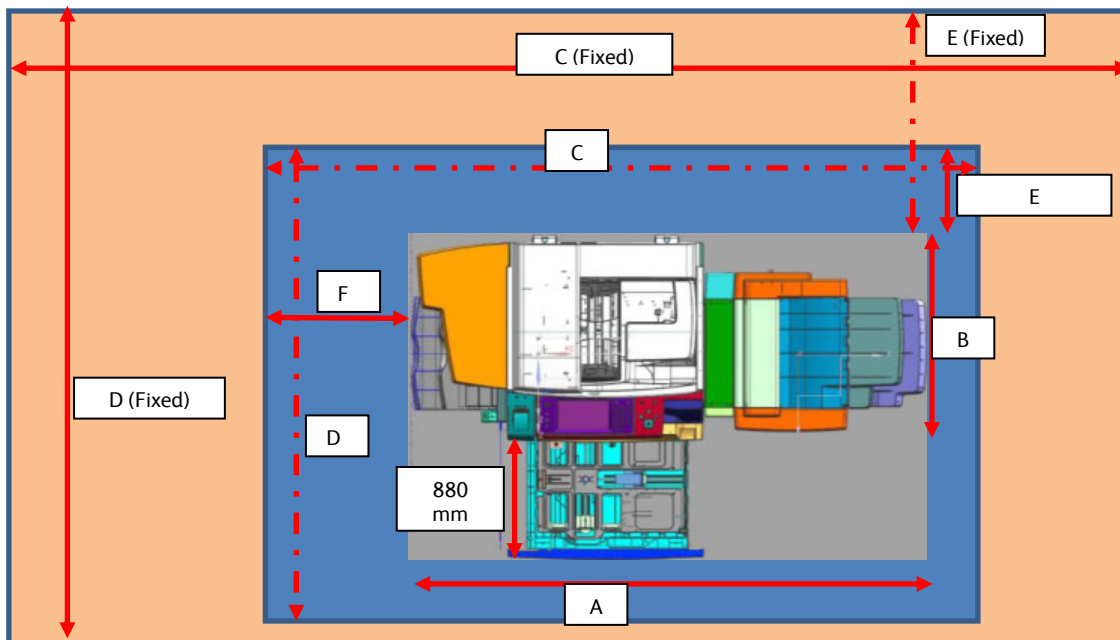| Dimensions and Weights				
Configuration	Width	Depth	Height	Weight
Base Configuration with Center Offset Tray	33.5 in / 850 mm	26.2 in / 665 mm	45.3 in / 1,150 mm	249 lbs / 113 kg
Base Configuration With Office Finisher	57.9in / 1470 mm	26.2 in / 665 mm	45.3 in / 1,150 mm	314.5 lbs / 142.5 kg
Base Configuration with Office Finisher + (Booklet Maker)	60.2 in / 1,530 mm	26.2 in / 665 mm	45.3 in / 1,150 mm	349.5 lbs / 158.5 kg

Electrical Requirements

Ground Fault Protection is provided which meets Xerox internal safety requirements and exceeds the Industry Standards for Information Technology Equipment.   A single power cord (see above) is required for the WorkCentre 5900 series

5945/5955	
Geographies: Western Hemisphere	
Line Option	Sole Use (not required but recommended)
Voltage	110 -127 VAC
Amperage	15 A
Frequency	50/60 Hz, Single Phase
Power Cord Length	8.5 feet
Receptacle	NEMA part #: 5-15R
Geographies: Eastern Hemisphere	
Line Option	Sole Use (not required but recommended)
Voltage	220 – 240 VAC
Amperage	10 A
Frequency	50/60 Hz, Single Phase
Power Cord Length	2.6 meters
Receptacle	Requires use of a 10 ampere outlet which is standard in most modern office buildings. Consult with local service to determine the country specific receptacle and confirm the existence of this outlet in the proposed installation space.

Space Requirements/ Service Space Envelope

The dimensions shown below provide the overall service space required, including the space to the nearest obstruction. The dimensions reflect both typical and hallway installations and are absolute minimums.

Configuration	Machine Width (A) mm/inches	Machine depth (B) mm/inches	Install Width Required (C) mm/inches		Install Depth Required (D) mm/inches		Service Work Space (E) mm/inches		Left Door Access Space (F) mm/inches
			Moveable	Fixed	Moveable	Fixed	Moveable	Fixed	
Basic machine without finisher	850 / 33.5	665 / 26.2	2043 / 80.4	3043 / 119.8	1665 / 65.5	2665 / 105	100 / 4	1000 / 39.4	440 / 17
Basic machine with Office Finisher	1470 / 57.9	665 / 26.2	2663 / 104.8	3663 / 144.2	1665 / 65.5	2665 / 105	100 / 4	1000 / 39.4	440 / 17
Basic machine with Office Finisher and Booklet Maker	1530 / 60.2	665 / 26.2	2723 / 107.2	3723 / 146.6	1665 / 65.5	2665 / 105	100 / 4	1000 / 39.4	440 / 17

Power Consumption

Power Consumption	5945	5955
Running (Average) Base unit with Offset Catch Tray Base unit with Office Finisher With Booklet Maker	1150 watts 1230 watts 1230 watts	1250 watts 1330 watts 1330 watts
Standby Mode		
Base unit with Offset Catch Tray Base unit with Office Finisher With Booklet Maker	45 watts 55 watts 55 watts	
Sleep Mode	3 watts (Default time to Sleep mode = 2 min.)	
Warm up from Power off	230seconds	
Recovery from Low Power	< 4 sec.	
Recovery from Sleep	< 28 sec.	

Audible Noise

Feature	5945/5955
Sound Power Levels	Operating: 6.8 B(A) Standby: 3.6 B(A)
Sound Pressure Levels	Operating: 56 dB(A) Standby: 18 dB(A)

Installation Considerations

- There should be a minimum of 78 inches (1,981 mm) clearance from the floor to the nearest overhead obstruction.
- The Base Configuration unit weighs about 249 lbs (113 Kg)
- Electrical requirements and space requirements must be satisfied before the equipment is delivered.
- One network drop is required for installation unless WiFi is enabled.

Network Requirements

- The customer is responsible for connecting and configuring the equipment on their network.
- One network drop is required for typical installation.

Fax Telephone Line Requirements (Optional)

If the fax option is installed, the following telephone line requirements are applicable:
Telephone wall jack should be within 7' of the middle left side of the back of the unit.
1. Telephone Service Supported:
   - Sole-use, non-switchboard (direct dial)
   - RJ11 – 6 position, 4 pin modular jack
   - Single analog line.
2. For two line fax, a second telephone line meeting the requirements identified in items 1 and 2 above is required.
3. Fax over VOIP is not supported

Convenience Stapler (Optional)

Requires separate outlet from one required for device. Refer to the above product electrical requirements for outlet type and requirements. The same electrical line as the device may be used; if no other devices are present on the line.

Energy Star

Energy Star is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency. The WorkCentre 5945/5955 is 2014 Energy Star certified.
The WorkCentre automatically switches to a Low Power mode after an idle period. After an additional idle period, the machine switches to sleep mode, saving additional power. The customer can adjust the "Time to Low Power mode" and the "Time to Sleep Mode" as described in the documentation.

5 Operational Considerations

Image Quality Expectations

Image Quality
- The WorkCentre 5900 series is designed to produce consistent uniform monochrome prints and copies in the product's specified Average Monthly Print Volume range.
- The WorkCentre 5900 series is designed to produce a uniform image. Image Quality is subjective and can be impacted by lighting, and is strongly influenced by paper (consult the Recommended Materials List).

Print Expectations

Duplex (2-sided) Copying / Printing
- The WorkCentre 5945/5955 can automatically perform two-sided (duplex) copying or printing on media size up to 11 x 17 (A3) and non coated 216 gsm paper or coated 169gsm paper.
- Full duplex print productivity is achieved except when paper exits to the top center tray.

Image-to-Paper Registration
- Printing registration specifications for 8.5 x 11" (A4) size media are ±1.5 mm (side 1), ±1.9 mm (side 2) along the lead edge and ±2.0mm (side 1), ±2.4mm (side 2) mm along the side edge from Trays 1-4. Lead Edge is ±2.2 mm and Side edge ±3.0 mm for bypass tray.
- Skew registration specification from side to side feeding for 8.5 x 11" (A4) size media from Tray 1-4 is ±3 mm on simplex side and ±4 mm on duplex side. Bypass tray skew is ±4 mm.

USB Print
- USB Media Print enables walk-up users to print "Print-Ready" files (PDF, XPS, TIFF, JPEG, TXT) files directly from most standard (FAT-32 formatted) USB Thumb Drives.
- Files are sent directly from the USB drive to the print controller.
- Windows 8 Certified USB drives are not supported

Power On time
- Power on time from cold-boot to the display of the main All services screen may take three minutes. Users will notice an additional 5-8 sec delay when they first access a service. Subsequent entries into that service (including after exiting power saver) will not incur any additional delay. This is designed to improve the availability of the first screen as the subsequent services are loaded when first accessed.

Print Around
- The Print Around feature holds a job needing additional resources (such as a different paper size) and prints the next job in queue. This function allows the device to keep working, while making sure jobs are printed correctly.

Apple AirPrint
- If AirPrint is not enabled on this product, download the install instructions and airPrintInstall.dlm from the support and driver page for your product at xerox.com and follow the instructions. AirPrint-enabled ConnectKey devices work with iPad (all models), iPhone (3GS or later), and iPod touch (3rd generation or later), running the latest version of iOS. For printing from a Mac, the device must be running Mac OS X 10.7 or later to support AirPrint. The device submitting the AirPrint job must be on the same subnet as the printer. To allow devices to print from different subnets, configure your network to pass multicast DNS traffic across subnets.

Network Connectivity Expectations

USB Wireless Network Adapter
- Your Xerox Device can be equipped with an optional Xerox USB 802.11b/g/n (2.4GHz) Wireless Adapter to enable WiFi connectivity. When utilizing this Xerox Device over WiFi, it is important to understand the performance impacts that may result from WiFi technology. Compared to a wired Ethernet connection, WiFi performance varies significantly due to many factors that are specific to wireless technology.
- Some of these factors include: WiFi LAN Overhead, Proximity to Access Point (AP) and Physical Obstacles (i.e. Signal Strength), Network usage / AP Loading and Radio Frequency (RF) interference.
- For more information, refer to the Xerox USB Wireless Adapter – WiFi Performance Primer

Scanning Expectations
- The WorkCentre 5945/5955 supports scan to network folder, Scan to USB, Scan to Mailbox, Scan to Home and Scan to email functionality as standard.

Scan Resolution
- The maximum image scan resolution is 600 dpi. The default scan resolution is set to 200dpi.
- Note: Several resolution settings are selectable via the 8.5 inch User Interface touch panel. Lower resolutions will result in files that are smaller in size thereby reducing network traffic.
  - When scanning the OCR processing, image compression, file formatting and file transfer operations all continue after the job has completed scanning by the scanner.
  - Heavy print usage may delay the processing of scan jobs.

Security Expectations

Xerox Smart Card, Kerberos, and FIPS140-3 support includes:
- CAC , PIV, .NET cards, S/MIME- encrypted email to self and others via LDAP or Address Book. Email signing.
- FIPS 140-2 encryption (SSL only)
- FIPS 140-2 encryption (Disk & IPsec) only for IPv4

McAfee Embedded Control
- McAfee® Built-in Enhanced Security is the Standard offering on the WorkCentre 5900 series that can detect and prevent unauthorized read-modify-write of files by unauthorized persons/systems. Built-in security prevents unauthorized reading, writing, adding of any of the systems protected files & directories. Any unauthorized attempt to modify these protected filed are recorded to the audit log on the device and can be setup to send email alerts thru CWIS, Centreware Web, Xerox Device Manager, or McAfee ePolicy Orchestrator.
- Optional purchasable McAfee®Integrity Control provides the same protections as Embedded Security with some key additions.
  - Prevents new files from being EXECUTED from ANY location via untrusted means. By utilizing whitelisting technology from McAfee the multi-function device prevents a targeted attack from executing an unauthorized and possibly malicious program such as malware.
  - Prevents WRITING of protected executable files. Integrity Control prevents the malicious overwrite of operating system thru executables. File Inventory is hashed to prevent malicious changing of it.

Cisco TrustSec Identity Services Integration®
- Automatically tracks new devices (via Profiler with Advanced license) connecting to the network
- "Firewall" the printer to prevent general access to restricted printers
- Automatically provision and grant printers appropriate network access to prevent impersonation & inappropriate access
- Single inventory for printer management, access and location-aware printer management

Non-standard Paper Sizes

- Plain paper with a feed length below 5.5in may jam more frequently. Select media between 257-300gsm are supported, please see Recommended Materials List for further details.

  - Recommended paper to maximize image quality and product reliability is Xerox Color Xpressions Select 24lb or Xerox Colour Impressions 90gsm (smooth bright white paper). This paper is specifically designed to maximize image quality and machine performance over a wide range of environmental conditions.
  - Using coated (e.g., gloss, matte coated or photo finished / proofing) and/ or Cardstock (i.e., >90lb Index / 164 gsm) stock may result in degraded reliability performance. Customers using these materials exclusively or extensively will see decreased performance as it relates to image quality and product reliability.
  - Attempts to feed heavier than recommended paper stocks, and/or misuse of the media settings, may cause machine damage or poor image quality. Using media at run modes other than that recommended for the grade may cause poor image quality and machine damage.
  - Envelope printing should not be used as a primary application
  - Envelopes without windows are supported through the bypass tray in sizes Monarch, DL, C5, and No 10 (other custom sizes are supported as well). Envelope feeding reliability is highly dependent on the envelope used and the area coverage of the image being affixed to the envelope.
  - The optional envelope tray insets into Tray 2. Customer is responsible for installing the envelope tray.

Service Uptime

- The number of copies or prints between service calls on a digital copier / printer is highly dependent on customer expectations of quality and the use of applications and throughput materials.
- At an average usage of 20,000 copies or prints per month. It is expected that service will be required about once every 24 weeks. Volumes higher than this could result in more frequent service.

External Keyboard Expectations

- The external keyboard is not functional with Xerox or partner solutions, including solutions such as Scan to PC Desktop and ConnectKey Apps.
- Function keys (e.g. F1-F12) (outside of its use for Control Panel Button shortcuts) (not supported)
- Page up, Page Down Print Screen, Scroll Lock, Ctrl, Alt, and Pause keys or other PC/MacOS specific keys are not supported
- No support for key repeat
- No mouse support
- No support for Wi-Fi Direct Keyboards
- No support for USB Wireless keyboards

Please reference the ConnectKey White Paper for greater detail regarding External Keyboard use and functionality:
- http://www.office.xerox.com/latest/XOGWP-16U.PDF

Solutions

- Full list of supported solutions can be found at www.office.xerox.com/software-solutions

Operational Definitions

1-Sided	Printing on only one side of the substrate
2-Sided	Printing on both sides of the substrate
AMPV	Average Monthly Print Volume - reflects a range of an entire machine population's monthly usage, while Duty Cycle displays the potential to grow while still utilizing the machine.
Daily Maintenance	Maintenance that the customer operator must complete daily to maintain quality printing
Delta E	The measurement of color variation, there are multiple
DPI	Dots Per Inch or physical resolution of the printing device
Duplex	Printing on both sides of the substrate
Duty Cycle	A print device's rated capacity to continuously perform work under normal conditions. It is usually expressed as the sustainable volume in letter- or A4-sized pages that can be printed per month.
GSM	Grams per Square meter – Paper density (also known as basis weight and grammage)
Image Registration	The alignment of the individual CMYK image to each other on the printed piece
Lbs.	Pounds - US paper sizes is pounds of a ream of 500 (or in some cases 1000) sheets of a given (raw, still uncut) basis size – heavier stocks have a higher lb
Maximum Paper Size	Largest substrate that can be physically run through the device
Maximum Print Area	Largest area that can be printed on a substrate
Media/Substrate	The material that can be imaged through a device (e.g. uncoated, coated, cover stock, transparency, etc.)
Multi-Function Printer/Copier	A device that can be A4 or A3 with capabilities of scan, fax, email, and can be integrated with multiple solutions
Operator Maintenance	Maintenance tasks the customer is responsible to complete
Paper Registration	The placement/alignment of the image on the sheet and sheet to sheet
Periodic Maintenance	Maintenance that occurs based on print volume
Press	Relates to production devices (graphic communications) concerned with high production and high image/color quality requirements
Preventative Maintenance	Any actions that are taken to prevent downtime and maintains quality printing
Print Quality	The characteristic of printed material evaluated in terms of color, register, clarity, and the degree to which it resembles the original image.
Print Speed	The rated speed that a device can print
Printer	A smaller device (usually A4) that relates to the office side of the business
Simplex	Printing on only one side of the substrate
Uptime	The time that the device is available for printing
Virus Security	Protection for multifunction printers similar to how you protect PCs from viruses and malware, and control access to end points on your network – making your multifunction printer a fully secured network citizen.

Appendix

Links (Paste into your browser)

Detailed Specifications

http://www.office.xerox.com/latest/W5QSS-01U.PDF

Brochure

http://www.office.xerox.com/latest/W5QBR-01U.PDF

ConnectKey Technology Website

http://www.office.xerox.com/latest/XOGPD-06U.PDF

White Paper - Xerox ConnectKey®, 2013 Excellence in
Technology Innovation Award from Frost & Sullivan

http://www.office.xerox.com/latest/XOGPD-06U.PDF

Supported Solutions

http://www.office.xerox.com/multifunction-printer/multifunction-over-30ppm/workcentre-5945-5955/soft-enus.html

Certifications

http://www.xerox.com/digital-printing/latest/XOGFS-14U.pdf

Customer Agreement

I have reviewed this CEIG document and understand the specifications listed:

_____

Customer

_____

Xerox Sales Representative

_____

Xerox Customer Service Representative