

# Lab Test Report A Comprehensive Keypoint Intelligence Laboratory Evaluation



# **KYOCERA TASKalfa 3011i\***

30 PPM Monochrome Print / Scan / Copy / Fax



P Reliability	9.5
Value	8.5
Apps/Onboard Tools	Not Rated
Image Quality	6.5
Print Quality	7.0
Copy Quality	6.5
<b>Usability</b>	7.0
Serviceability/Management	7.5
Walk-up Experience	7.0
Workstation Experience	7.0
<b>Mobility</b>	Not Rated
Security	9.5
<b>Features</b>	5.0
Speed	7.5
Print Speed	6.5
Scan Speed	9.0
Copy Speed	7.0
Power Consumption	<b>Not Tested</b>





## **OUR TAKE**

The KYOCERA TASKalfa 3011i is a great choice for midsize workgroups. The device is based on a model that gave an outstanding reliability performance, with just two misfeeds and no service calls over the course of its 150,000-impression test. The TASKalfa 3011i also offers simple procedures for replacing toner and additional components, plus the storage capacity for two additional waste toners under the front cover. When one also considers the device's above average overall productivity performance, including fast scan speeds, fast job stream and fast first-copy and first-print times, uptime and efficiency promise to be maximized in multi-user environments. Output is presentable for general office needs, especially in print mode. Standard Wi-Fi Direct and NFC, plus support for Apple AirPrint, Google Cloud Print and Kyocera Mobile Print lets users quickly and easily print from mobile devices. Plus, the device is HyPAS-enabled, for seamless integration with all of the Business Applications KYOCERA offers to reduce costs, streamline workflows and boost security. A low price also make the device a very good value. BLI highly recommends the KYOCERA TASKalfa 3011i.

#### KYOCERA TASKalfa 3011i Fast Facts\*

SRP/Street Price	\$6,209
Max Monthly Duty Cycle	125,000 impressions
Manufacturer's Recom- mended Monthly Volume	INA
Rated Speed	30 ppm
Std Paper Source(s)	Dual drawer
Std Paper Capacity	1,000 sheets
Paper Weights	16-lb. bond to 90-lb. index
Bypass/Paper Weights	100-sheets/12-lb bond to 140-lb index
Max Paper Capacity	4,100 sheets
System Memory (Std/Max)	2-GB RAM/2-GB RAM
Document Feeder/ Capacity	Opt. RADF/RADF/DSPF 50/140/270-sheet
PDL/PCL	PCL 5c/6/XL, PostScript 3, XPS
HDD (Std/Max )	32-GB/320-GB
Scanner Technology/Speed	CCD/ 48 ipm color, 48 ipm black or 80 ipm color, 80 ipm black or 80 ipm color, 80 ipm black
*At time of publication	

**Test Duration:** Two months, including a 150,000-impression and 15,000-scan durability test.

The gauges above represent Excellent (9–10), Very Good (7–8.5), Good (4–6.5), Fair (1.5–3.5) and Poor (0–1).

Please visit buyerslab.com/bliQ for more information.

\*Reliability, scan and image quality results are based on the performance of the KYOCERA TASKalfa 3511, which uses the same engine.



## **BENEFITS**

Maximize uptime thanks to outstanding reliability and simple procedures for replacing toner and some additional components

Low price and above average performance make for a very good value proposition

Bold and fully formed characters help meet the output needs of general office environments

Ensure unique settings are one click away via the driver's Quick Print tab, which enables users to create and save custom profiles as graphical icons

Streamline scan and copy workflows with shortcut keys and up to 50 job programs

Print from anywhere with mobile printing support for both Android and Apple devices

Take advantage of KYOCERA's HyPAS Platform to connect to specialized and embedded applications

Storage requirements are reduced thanks to the availability of two extra waste toner containers inside the front cover

Conveniently switch between PCL and PostScript for different job types from within the KX driver

## **ADVANTAGES**

Fast scan speeds and small color scan file sizes keep workflows moving

Fast first-print and first-copy times boost productivity

Fast job stream speed increases efficiency in multi-user environments

## **LIMITATIONS**

Scan and copy previews do not support page deletion or onscreen editing

Scan to USB does not support the creation of sub-folders

Preview is not available for USB printing

Only quantity can be modified for jobs in queue



## RELIABILITY

9.5

Near-flawless durability performance

	Meter Count (Impressions)
Impressions Printed	150,000
Scanned Pages	15,000
Misfeeds	2
Misfeed Rate	75,000
Service Calls	0

## VALUE

8.5

The KYOCERA TASKalfa 3011i is among the lowest priced models in its speed range. Given its outstanding overall performance, including excellent reliability and very good usability and productivity, the device makes for a very good value proposition.

## APPS/ONBOARD TOOLS

**Not Rated** 

KYOCERA's HyPAS Platform offers both Java-based and Web Services-based software development kits. According to KYOCERA, this approach provides a more open and flexible developer environment, which enables integration with systems that are already implemented in a customer's enterprise. DocuWare Connector serves as a bi-directional bridge between HyPAS-enabled and capable MFPs and DocuWare on-premises and cloud-based enterprise content management systems.



AccuSender, powered by Biscom, allows users to scan and send documents quickly from their KYOCERA MFP using Biscom Secure File Transfer, email, or fax. KYOCERA notes that the solution is well-suited for organizations operating in the legal, financial, healthcare, and government segments, as they often send large files and are subject to tight security and privacy regulations.



CentraQ and CentraQPro enable businesses to control data and printing costs while enhancing worker productivity. Users can release print jobs from any compatible device on the network. The solutions also support QR code release functionality. The Pro edition of the solution also offers six detailed reports, including device usage, individual user usage, device ranking, and more.

#### KYOCERA TASKalfa 3011i Lab Test Report





DMConnect and DMConnect Pro enhance the benefits of a document management system by transforming KYOCERA MFPs into on-ramps for routing documents into any folder in an organization's DMS, allowing users to store, retrieve and share files quickly, easily and securely. In testing it was found to be easy for administrators to develop, deploy and maintain workflows, and even easier for end-users to use the system for their capture routing needs.



PinPoint Scan 3 allows for scanning from the MFP to a PC with added speed, functions and versatility. Users can scan to a series of preconfigured destinations after entering a PIN, and all data is encrypted to protect sensitive information. The application easily allows end-users to create their own PIN and personalized scan destinations. It also requires minimal involvement on the part of the IT staff.



Teaching Assistant enables automated creation, printing and grading of multiple-choice exams using popular bubble-sheet forms, right from supported MFPs, with no need for client PC or server software.



SharePoint Connector 4 allows users to access documents on the SharePoint server directly from the MFP's control panel. Square 9 Connector allows users to scan paper documents directly into existing Square 9 Global Search workflows.

## **IMAGE QUALITY**

6.5

	Print Mode	Copy Mode
Text	Very Good	Good
Line Art	Good	Good
Halftone Pattern	Very Good	Very Good
Halftone Range	Very Good	Very Good
Solids	Very Good	Very Good



#### PRINT QUALITY

7.0

Dark and fully formed characters; bold solids

Distinct separation between halftone levels, though graininess is evident in all levels

Vertical lines are inconsistent with some toner overspray evident

### **Print Density**

	Tested Device	Competitive Average
Black	1.35	1.37

Density of a printed image with blocks of all solid colors, based on the average of two readings each for cyan, magenta and yellow, and four different locations on the output for black. The higher the reading, the darker the image.

## COPY QUALITY

6.5

Dark and fully formed characters; bold solids

Very good halftone range, with smooth transitions from light to dark shades

Diagonal lines exhibit a roping affect and some toner overspray

#### **COPY DENSITY**

	ORIGINAL	TESTED COPY	AVERAGE
Black	1.92	1.35	1.39

Density of a printed image with blocks of all solid colors, based on the average of two readings each for cyan, magenta and yellow, and two different locations on the output for black. The higher the reading, the darker the image.



## USABILITY

7.0

#### SERVICEABILITY/MANAGEMENT

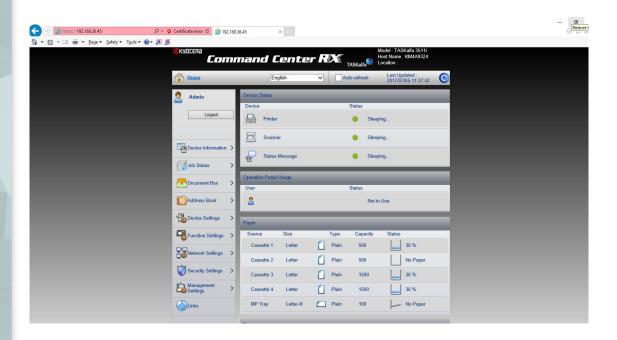
7.5

Drivers can be installed simultaneously and at the same time as KYOCERA Net Viewer, the feedback utility, and no user intervention is required for the configuration of accessories.

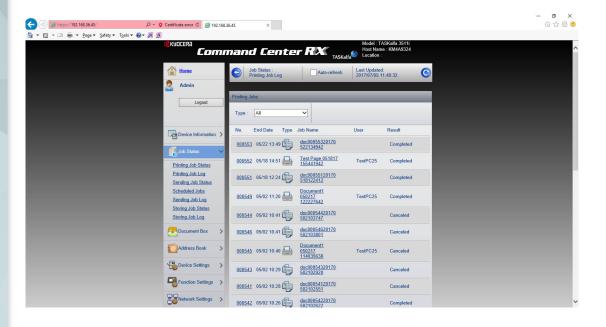
The install utility also has built-in test-page printing, but drivers cannot be pushed out to multiple PCs during install.

KYOCERA Net Viewer enables device discovery and management of Kyocera hardware on the network. Administrators can sort devices by name or IP address and specify which information on monitored devices is shown. KYOCERA Net Viewer also allows administrators to create groups of products based on reporting or error notification requirements. Within a "report group" an administrator can receive reports via e-mail outlining a variety of device statistics, including printed page volumes and consumables levels, at defined time intervals. While Net Viewer does not support remote access to the device's service mode, it does support remote firmware upgrades and remote driver installation.

KYOCERA Net Admin is a free server-based solution that gives network administrators and help-desk staff control of all network-enabled printers and MFPs. It installs in minutes, and is particularly easy to navigate, with well-marked tabs and support for drag-and-drop actions. It allows users to remotely configure and automate the distribution of print drivers, monitor their status, manage individual or groups of devices, clone settings to like devices and check on the level of consumables. Optional plug-ins offer print queue management, print job reporting and full-featured print accounting. KYOCERA Net Admin does not, however, support capture of copy meter data. In addition, there is no mechanism to limit end-user access to device capabilities such as color printing. It does support scan or send meter data, job history and status reports can be generated in HTML, PDF, or CSV formats and saved to the network via KYOCERA Net Admin, and these reports can be set to run at set intervals and automatically e-mailed to a list of recipients.

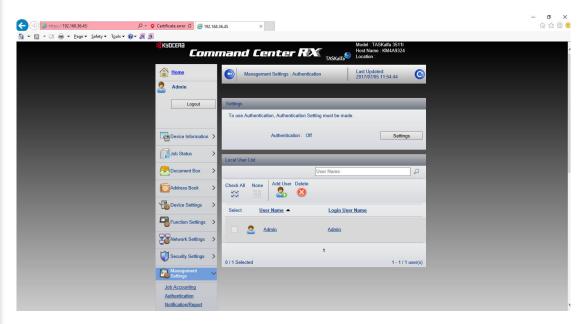




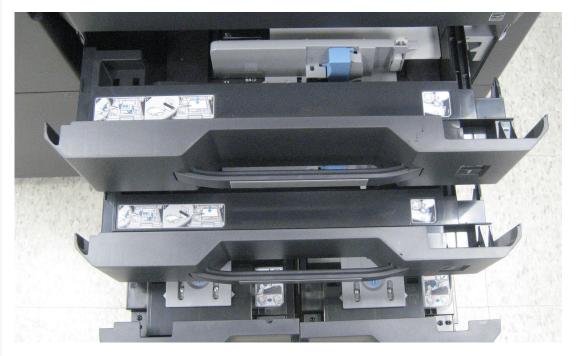








The web user interface is easy to navigate, with functions clearly labelled and selectable. Job history can be exported from the web user interface. Access codes can be assigned so that print, scan and copy usage can be restricted and tracked by user and group. Detailed counters and printing and sending logs are also provided. However, administrators cannot remotely add or edit destinations from the LDAP servers. Such a capability, while rare, can be a valuable time saver, and also prevents errors in destinations that must be entered manually.



Both length and width guides slide in the drawers when adjusting paper size and flip down flat to support 11"  $\times$  17" paper. Plus, the soft close drawers make for no slamming of cassettes.





The process for replacing toner is simple and clean. Storage requirements are also reduced thanks to the availability of two extra waste toner containers inside the front cover.

#### WALK-UP EXPERIENCE

7.0

The scan and copy menus can be customized by adding up to six shortcuts from other menus to the main menu for easier access.

Scan and Copy previews allow users to enlarge the view and move images around, but do not support page deletion or onscreen editing.

Dynamic help is provided; users simply click on the "?" icon that appears on screen after a function is selected.

Highly intuitive to set up scanning to a network folder. Searchable PDF is supported with the optional scan extension kit. Plus, a number of available apps support OCR, including DM Connect Pro powered by Nuance®, Exchange Connector and PinPoint Scan 3.

The on-screen QWERTY keypad's keys are comfortably spaced and it's easy to enter data, although the use of a stylus is not supported. There is also no support for the storing of extensions (.com, .net), or typical domains (@gmail.com, @yahoo.com) as one-touch keys.

Up to four LDAP servers are supported and destination addresses entered manually at the control panel can be added to the device-resident address book on the fly by end-users.

USB menus auto-populate when a USB device is inserted into the port, whereas some other systems require users to navigate through several menus to locate USB capabilities.

Scan to USB does not support access to or the creation of sub-folders more than three levels down. This means that if a user has sub-folders on their USB below three levels, they cannot access that folder.

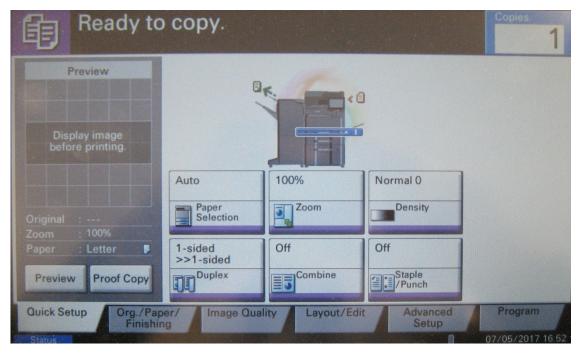
Preview is not available for USB printing, and USB printing does not support the access of sub-folders more than three levels down.

Jobs can be moved to the top of the queue or one slot at a time, but only quantity can be modified for jobs in queue.





All commonly used scan features are programmable from the same screen, including color mode, resolution, format, compact PDF, duplex and preview, helping to maximize efficiency. Plus, multiple destinations are supported in one session.



Most of the selections for a typical copy job can be accessed from the Quick Setup tab, including duplex, paper source, color mode, reduction/enlargement and finishing. The control panel can also be angled in multiple positions. Each user can also customize the location of each key on the main page and add settings to the main screen and select their default home screen and language.





Up to 50 scan jobs can be saved as job programs within the scan menu or even on the Home screen to streamline workflow of commonly run jobs.

## WORKSTATION EXPERIENCE

7.0

Streamline complex workflows via the Quick Print tab.

Easily switch between PCL and PostScript drivers for different job types, whereas competitors typically require users to have to go through printer properties in order to switch between drivers.

Direct print capabilities are robust and include support for PDF, JPEG, TIFF, DOC, XLS and PPT formats, as well as the ability to output multiple jobs and sets, change quantity, change simplex/duplex, select paper size and source, apply corner stapling, hole punching and create color profiles.

Secure print procedures are intuitive, and username and filename can be changed via the Custom Name function; however, any user can delete a secure print job.

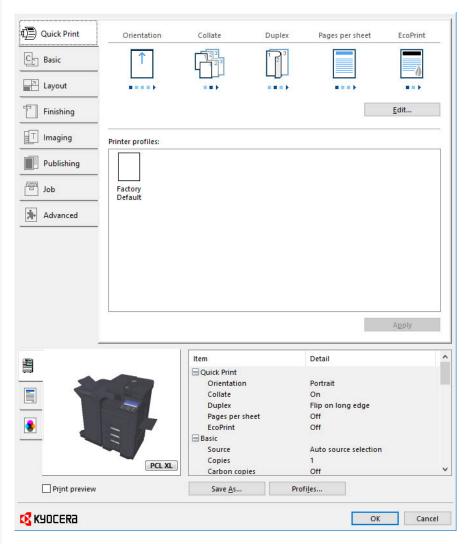
Highly detailed consumables status and highly customizable email alerts from the embedded web server.

No support for print job deletion notification.

The driver includes Eco Print (reduces the amount of toner used) and Print Preview (provides on-screen preview of every page of the job, along with the ability to zoom in and cancel the job). However, no changes can be made to the document from the preview function.

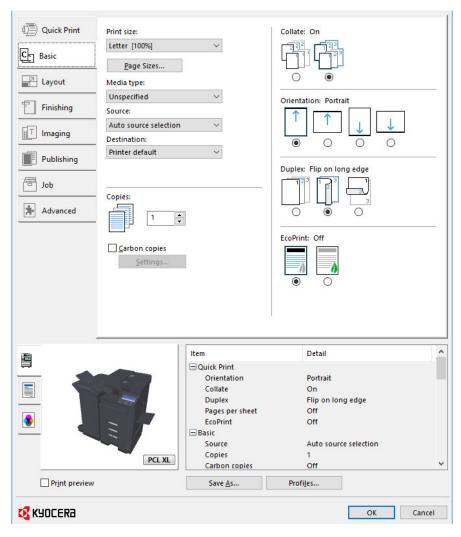
Any driver settings that are not compatible are grayed out and not selectable, whereas some competitors allow users to scroll over the grayed out settings with their mouse and receive a pop up on how to get the setting to work.





While an entire tab of the driver cannot be customized, via the Quick Print tab, users can save custom profiles that are stored as graphical icons to allow programming of complex jobs in one click. Users can click on the Save As button on any of the tabs to save currently selected settings, name the new profile and add a description for storage on the Quick Print tab.





Most typical print job settings are selectable from the Basic tab, including black and white mode, paper type and source, duplex, quantity and collate sets, although finishing selections such as stapling are programmable from the Finishing tab.

## **MOBILITY**

**Not Rated** 

The device provides standard Wi-Fi Direct and NFC support for Android mobile devices. Mobile printing is also supported via Apple AirPrint, Google Cloud Print and Kyocera Mobile Print.



# SECURITY

9.5

Standard encrypted se	cure print and encrypted PDF mode

Optional hard drive overwrite and encryption

Optional ID card authentication methods

Administrators can limit or restrict access to the control panel and USB

## **SECURITY FEATURES**

AUTHENTICATION	
Network user authentication at control panel	Standard
Windows	Yes
Novell NetWare NDPS	NA
LDAP	Yes
Kerberos	Yes
802.1x wireless	Yes
SMTP	Yes
POP before SMTP	Yes
Biometric	No
ID Card	Optional
HID	Yes
Common Access	Yes
Other	Equitrac, SCM, RFIDEAS, ELATEC
Registered department or user ID codes	Standard
Number	1000
HARD DRIVE	
Encryption	Optional
Maximum level	256-bit AES
Overwrite	Optional
Method	Customer can choose One-time Overwrite-Erase o the U.S. Department of Defense DoD 5220.22-M (Three passes)
Maximum number after a job	3 times
Maximum number at end of lease	3 times
Lock	No
Removable	No
Password-protected mailboxes	Standard
Data auto-deletion in mailboxes	Standard



ACCESS CONTROL	
Restrict color	NA
Control panel lock/disablement	Standard
Restrict access to address book	Standard
Restrict USB port	Standard
Restrict direct printing	Standard
Restrict other	Any function using User ID (Print restriction totals, scan)
JOB TRACKING	
Job logs	Standard
Digital signature	No
Verify document came from device	NA
Verify document came from specific user	NA
JOB PROTECTION	
Encrypted secure print	Standard
Secure print	Standard
Encrypted scanning	Standard
Maximum level	AES 128 bit
For scan to USB	Yes
Unauthorised scan/copy protection block (watermark)	Optional
Compatible with same-brand devices	Yes
Compatible with third-party devices	No
NETWORK SECURITY/PROTOCOLS	
Protocol disablement	Standard
Port disablement	Standard
IP address filtering	Standard
MAC address filtering	Yes
HTTPS	Standard
Self-signed certificate	Yes
Certificate signing request	Yes
IPsec	Standard
IPv6	Standard
Secure Sockets Layer (SSL)	Standard
S/MIME encryption	INA
SNMPv3 support	Standard
Transport Layer Security (TLS)	Standard
Trusted Platform Module (TPM)	INA



CERTIFICATIONS	
Common Criteria	Yes
EAL level	EAL 3
Capabilities certified	Based on IEEE2600.1
FIPS 140-2	Optional
Level	2
IEEE 2600	Yes
OTHER	
Administrator password length	Up to 64 digits (UTF-8)
Password-protected web server	Yes
Additional features	NA
Third-party features	NA
INA: The vendor declined to provide this information NA: Not applicable	

## FEATURES

5.0

The device's feature set is largely competitive overall, but the machine does feature an above average capacity of 270 sheets for it duplex single-pass feeder.

Below average standard memory.

Finishing options include a 1,000-sheet finisher with multi-position staple capacity of 50 sheets and optional hole punching and a 3,000-sheet finisher with multi-position stapling of up 65 sheets with optional hole punching; a multi-bin mailbox includes 7 trays with a 100-sheet capacity per bin.

No support for inner or booklet finishers.





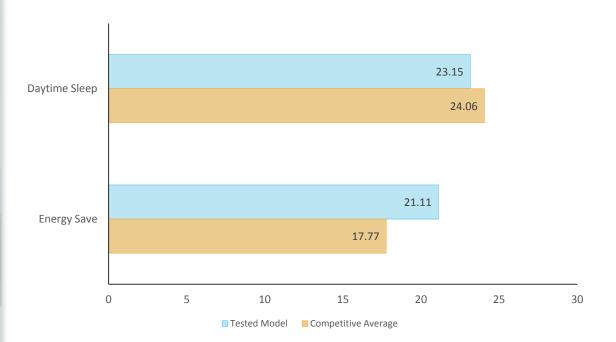
7.5

## PRINT SPEED

6.5

The device's first-print times were the fastest or among the fastest of competitive models tested to date. The device also promises to be highly productive in multi-user environments thanks to fast job stream speeds from both the PCL and PostScript drivers.

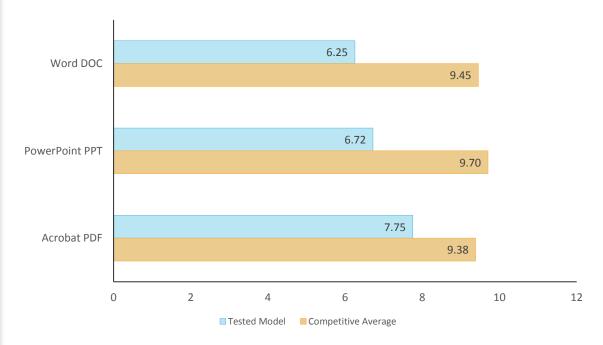
### Recovery Times (in Seconds)



Recovery time in seconds indicates the time it took to warm up, process the image and deliver a single-page test document to the output tray. The unit was tested with the PCL driver.

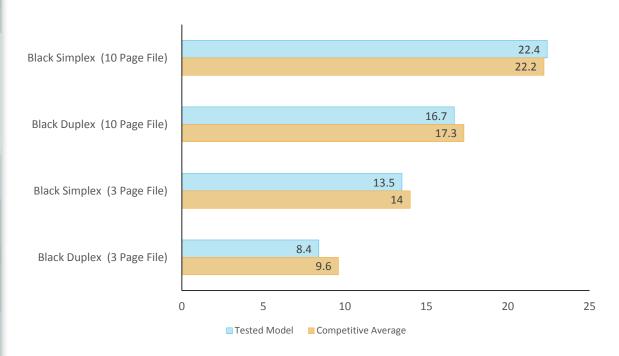


### First-Page Print Time From Ready Mode by File Type (in Seconds)



First-print time indicates the time it took to process the image and deliver a single-page test document to the output tray. The unit was tested using the PCL driver.

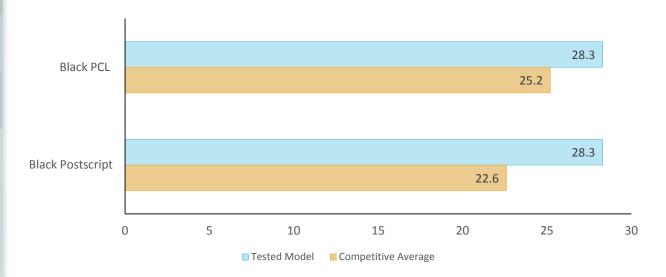
## First-Set Print Speed (Single Set; in PPM)



Single-set speed is tested using BLI's proprietary 3-page and a 10-page testing document. The unit was tested using the PCL driver.

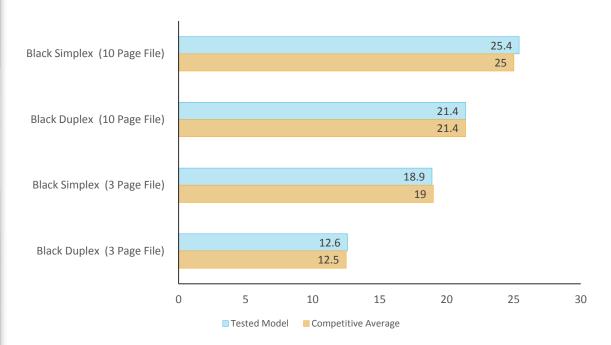


#### Job Stream (Speed in PPM)



BLI's job stream includes Word documents, Outlook email messages, Excel spreadsheets, PowerPoint, HTML and Acrobat PDF files, totaling 19 pages. This test simulates the type of traffic a typical device might experience in a real-world, multi-user environment. All of the files are sent to the device as a group, at which time the stopwatch begins; timing ends when the last page of the last file exits the device.

### Average Print Speed (Multi-Set; in PPM)



Speed is tested using BLI's proprietary 3-page and 10-page testing document. BLI obtains the overall speed by averaging the tested speed for each run length (1 and 5 sets). The unit was tested using the PCL driver.

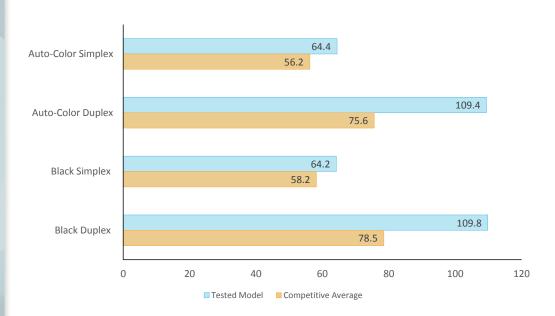


## SCAN SPEED

9.0

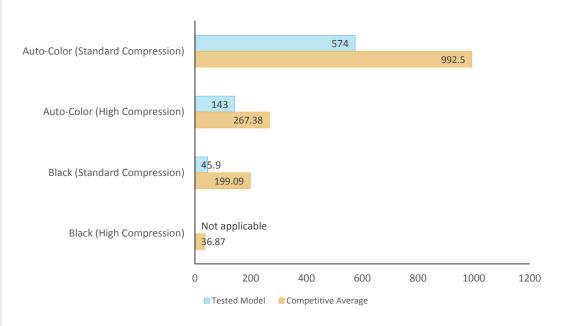
In BLI's scan tests, the unit was among the fastest in all modes tested. In addition, color file size was smaller than average when using compression. Compression not available in black, but file size is still much smaller than the average of other non-compressed files.

#### Scan Speed (in IPM)



Testing is conducted with a 10-page file scanned in default mode at 300 dpi in PDF format.

#### Scan File Size (in KB)



Testing is conducted with single-page files scanned at 300 dpi in PDF format.

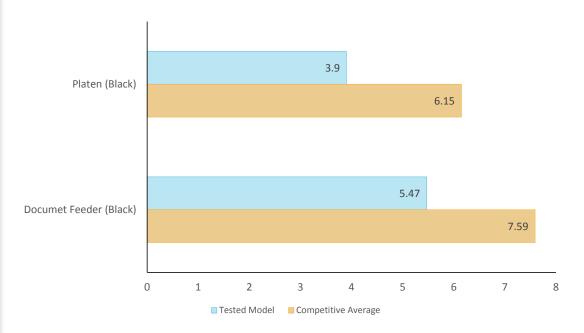


#### COPY SPEED

7.0

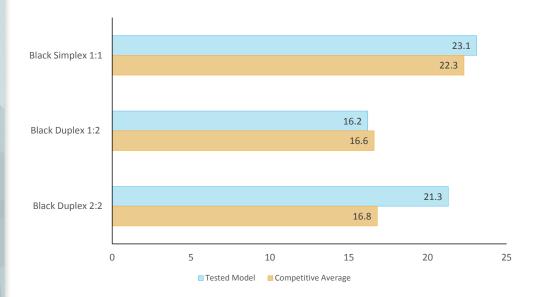
In addition to first-copy times that were the fastest or among the fastest tested to date, the device's speeds when printing short- and long-run duplex jobs were faster than most competitive models tested.

## First-Copy Times (in Seconds)



First-copy time is measured as the time it takes for a single copy to completely exit the device when a copy is made from an original placed in the document feeder and on the platen.

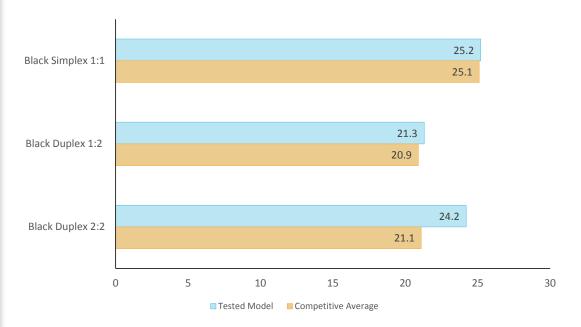
## Copy Speed (Single-Set; in CPM)



Single-set copy speed is tested using BLI's proprietary 10-page testing document. Timing begins as the start button is pressed, pages are scanned through the document feeder and timing ends when the last page of a single-set of the document exits the device.



### Average Copy Speed (Multi-Set; in CPM)



Copy speed is tested using BLI's proprietary 10-page testing document. BLI obtains the overall speed by averaging the tested speed for each run length (1 and 5 sets).

# **POWER CONSUMPTION**

**Not Tested** 

Because the unit was field tested, projected annual energy consumption was not tested.



#### **Environmental Features**

Specified capable of running recycled paper (30%/50%/100% post-consumer content)	Yes
Instant/Quick Fusing	Yes
Duplexing	Yes
Toner-save mode	Yes
RoHS compliant	Yes
Toner cartridge recycling program for this product	Yes
Ability to program features such as duplexing and auto shut-off over entire fleet	Yes
What tool can be used to do this?	INA
Eco-Label Certifications	
ENERGY STAR	Yes
Other	ECMA-370/The Eco: EPEAT level pending

INA: The vendor declined to provide this information NA: Not applicable



## **Supporting Test Data**

**Test Environment:** This product was tested in BLI's environmentally controlled US test lab, which replicates typical office conditions.

**Test Equipment:** BLI's dedicated test network, consisting of Windows 2008 and Microsoft Exchange servers, Windows 7 workstations, 10/100/1000BaseTX network switches and CAT6 cabling.

**Test Duration:** A single product is tested for two months, five weeks of which consists of a durability test during which the product is run at its manufacturer-rated maximum monthly duty cycle, with 25 percent of the test volume comprised of copy jobs and 75 percent comprised of print jobs. BLI's daily test usage is designed to replicate real-world use over an eight-hour workday, and as such includes a mix of various-size documents, simplex and duplex modes, and a mix of short, moderate and long run lengths, and on/off cycles, throughout the day. The durability evaluation also includes testing of the document feeder/scanner in simplex and duplex modes for an additional 10 percent of the monthly maximum volume, evenly divided over the course of the test.

**Tested Configuration:** KYOCERA TASKalfa 3011i base unit, plus DP-7110 duplex single pass feeder and DF-791 Finisher.

**Test Procedures:** BLI's lab testing includes both BLI proprietary and industry-standard test procedures and documents. In addition to a visual image quality evaluation, optical density of primary color (CMYK) solid fill output is measured using a densitometer, and color gamut and consistency are evaluated using a color spectrophotometer. The reliability test is conducted using Georgia Pacific and Boise paper in the US, and UPM, Data Copy and Mondi paper in the UK. In both labs, 30 percent of the paper is recycled. The media used for image quality testing is Georgia Pacific Printing Paper (24 lb., 96 brightness) in the US and UPM Future ImageTech 100 gsm in the UK.

**Competitive Group:** The analysis in this report compares the tested device to a group of all other currently available like models (e.g., color vs. color, copied-based vs. copier-based) in the same speed range (5 ppm up and down from the speed of the tested device) with support for the same media size. For test performance categories, the results are compared with those of currently available tested models in the group, whereas for feature set and pricing, the comparison is made against all currently available models in the group, whether tested or not. The pricing analysis is for devices comparably configured with accessories and the most common options.

**Note:** This report is based on BLI testing one representative test sample at a specific point in time. BLI is not responsible for differences in performance that may be the result of lot-to-lot variation, changes in production and machine modifications implemented by the manufacturer, service issues or any other reason beyond BLI's control.

**About Buyers Laboratory:** Buyers Laboratory (BLI) is the world's leading independent provider of analytical information and testing services to the document management industry. For over 50 years, buyers have relied on BLI to help them differentiate products' strengths and weaknesses and make the best purchasing decisions, while industry sales, marketing and product professionals have turned to BLI for insightful competitive intelligence and valued guidance on product development, competitive positioning and sales channel and marketing support. BLI also offers private, for-hire testing services that help manufacturers develop and market better products and consumables.



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Director, BLI International

# CERTIFICATE OF RELIABILITY

Awarded to

KYOCERA Document Solutions America, Inc.

for the performance of the

### KYOCERA TASKalfa 3011i

in BLI's in-house durability test\*



GERRY STOIA, CEO

SEPTEMBER 2017

DATE

\*Reliability, scan and image quality results are based on the performance of the KYOCERA TASKalfa 3511, which uses the same engine.

This is to certify that when subjected to a 150,000-impression Buyers Lab durability test, the KYOCERA TASKalfa 3011i proved to be a highly reliable product.

#### **BUYERS LABORATORY**

THE LEADING INDEPENDENT OFFICE PRODUCTS TEST LAB AND BUSINESS CONSUMER ADVOCATE

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