Dell Multifunction Colour Laser Printer 3115cn
17 PPM Colour • 30 PPM Black
Printer • Copier • Scanner • Fax

Maximum monthly duty cycle: 60,000 impressions.
BLI’s recommended monthly volume for optimum performance: Up to 7,500 impressions.

BLI RECOMMENDATION

The Dell Multifunction Colour Laser 3115cn, which was tested with the optional duplexing unit, is a “four-in-one printer” offering copying, scanning and faxing in addition to printing. With a print speed of up to 30 pages per minute (ppm) in black and up to 17 ppm in colour, the Dell 3115cn is targeted to small to medium-sized workgroups of one to 10 users. The Dell 3115cn offers very high toner yields.

The unit proved to be highly reliable, completing a 30,000-impression durability test without requiring any service calls and with only a single misfeed. The unit also received some very high marks in other areas of its performance, including its ease of setup on the network and its administrative utilities, which help users control colour output, for example.

Based on its outstanding performance in BLI’s extensive in-house testing, including a nearly flawless reliability performance, good ease of use and very good overall...
economy, BLI recommends the Dell Multifunction Colour Laser 3115cn for small workgroups requiring general business colour output, with convenience copying, faxing and scanning for monthly volumes of up to 7,500 impressions.

**PERFORMANCE OVERVIEW**

+, – and ○ represent positive, negative and neutral attributes, respectively.

**RELIABILITY**

EXCELLENT

+ The Dell 3115cn is certified highly reliable by BLI, completing a 30,000-impres-
sion durability test with no service calls required and only a single misfeed.

**MULTITASKING**

GOOD

○ Although the Dell 3115cn’s multitasking capabilities are good overall, users
cannot perform some secondary job functions until the scanning and copying
of documents is completed.

+ Scan jobs can be programmed during a print job, but the document is not
scanned until the print job is complete.

+ Users can program one copy while a print job is in progress.

**ADMINISTRATIVE UTILITIES**

VERY GOOD

+ The embedded Web page, the Dell Printer Configuration Web tool, enables
administrators to configure the unit remotely on the network and monitor
the unit’s consumables levels.

+ The Copy Device Settings tab within the Web utility allows administrators to
copy the unit’s settings to another Dell printer on the network.

+ Dell’s ColourTrack™ 2 colour management system, embedded in the Web
utility, enables administrators to remotely create up to 50 user or depart-
ment accounts to restrict or allow colour output, set volume limitations and
track usage.

+ The Dell OpenManage Printer Manager utility, which can be downloaded
from Dell’s Web site, enables administrators to monitor multiple Dell and
other manufacturers’ printers across the network in one window via a Web browser or on a client’s PC desktop.

**Feedback to Workstations**

**Very Good**

+ By selecting the Printer Status tab on the embedded Web page, the user or administrator can view the remaining life of all the toner cartridges, the size and type of paper in each drawer and error warnings for the paper drawers, indicated by “Empty” or “Low.”

+ The Dell Toner Management System works with the Web utility to proactively provide e-mail alerts on toner and consumables replacement and also provides for easy on-line ordering.

+ A Printing Status utility immediately appears on the screen after users print their jobs, indicating the name of the document and remaining toner.

+ When an error condition, such as a paper jam, occurs, a pop-up window appears in the Taskbar in Windows, which, when selected, links to the Printer Alert Utility User Guide.

**Ease of Network Setup**

**Excellent**

+ Setup and installation of the drivers was easy thanks to the auto-install feature, which automatically creates the port and will have users up and running in minutes with only seven clicks of the mouse. Furthermore, administrators can copy printer settings to one or all printers on the network from the Web utility.
The Dell 3115cn ships with PCL 5e/6 and Adobe PostScript 3 print drivers (which can be installed simultaneously) for Windows Vista (32-bit and 64-bit), NT 4.0, XP, Server 2003; Mac OS X; Linux and UNIX. Requiring only seven clicks to install, the drivers are well laid out and easy to use on the Windows XP platform tested. Both the PCL 6 and Adobe PostScript 3 print drivers offer selections for N-up printing (1 to 32 for the PCL driver and 1 to 16 for the Adobe PostScript 3 driver), reduction and enlargement; the PCL driver also provides custom watermarks and the ability to create banner pages.

No problems were experienced with any of the test files used in the applications compatibility tests. Units are tested for compatibility on Windows XP platforms with Microsoft Word 2000, Microsoft PowerPoint 2000, Microsoft Excel 2000, Adobe PageMaker 7.0, Adobe Photoshop 6.0 and Adobe Acrobat 6.0 using 25 application test files, which contain text, graphics, halftone images, tables, etc., enabling BLI technicians to evaluate memory usage, file processing, font rendering and greyscale capability.
In its standard configuration, the 3115cn offers colour and monochrome scanning of documents to e-mail or to a shared network folder.

- The 3115cn was awkward to use for scanning documents to a shared network folder, as users must scroll through the scan menus to configure scan settings.

- The unit was also awkward to use for scanning of documents to e-mail. Destinations must be programmed at the control panel via the alphanumeric keypad. This can be very time consuming, as users must press each numeric key multiple times to enter the desired letter.

Administrators can enter e-mail addresses and e-mail groups within the Address Book tab of the embedded Web page, which allows users to retrieve the address at the control panel.

+ The bundled PaperPort 10 software provides users with advanced scanning and document management features, such as scan to PDF, drag and drop, scan and copy to the desktop and capture Web pages as PDF.

The unit performed well as a 33.6-Kbps fax, demonstrating good procedures for transmitting documents from memory after a failed communication and competitive scan-to-memory speeds of 4.03 seconds per page for the 4 percent page coverage fax test document and 3.96 seconds per page for the 12 percent page coverage fax test document.

In print mode, the Dell 3115cn produced good colour business graphics output, with consistency of solid colours over the course of the test above average. However, some of the finer details in charts and graphs lacked definition.

- In copy mode, however, business graphics were rated “Fair,” as solid colours were not consistent over the course of the test and fine details in charts and graphs also lacked definition. Technicians also noted that business graphics were dark overall.
— Photographic images in print and copy modes were rated “Fair.” In print mode, images displayed some graininess. In addition, colour production did not remain consistent over the course of the test. There was a very large shift in magenta toward blue and a smaller shift in red toward yellow by the end of the test period. In copy mode, graininess was also evident, and colours were too dark overall. In both print and copy modes, skin tones appeared too bronze.

**Black Print/Copy Quality**

+ Black output produced by the Dell 3115cn in print mode was very good overall. Text was rated very good, as darkness was above average and no toner overspray was evident, even under magnification. Despite some slight stair-stepping, line art was also produced very well, as closely spaced lines were distinct and line thickness was consistent. Halftone output was visible over an excellent range (1% to 99%, which is better than the typical halftone range of 6% to 90% dot-fill levels for colour laser/LED printers), although coverage within levels displayed some graininess. Although good overall, solids were not visibly dark and lacked consistent toner coverage.

○ Black output produced by the unit in copy mode was good overall. Text was very good, as darkness was above average. However, curves, serifs and lines lacked smoothness. Line art was rated Fair because of stair-stepping. In addition, closely spaced fine lines did not remain distinct and line thickness was rated below average for consistency. Halftone output was visible over a very good range (from 15% to 100%), and coverage within levels displayed no graininess or banding. Solids were good overall; however, they were not visibly dark and lacked consistent coverage.

**Colour Print/Copy Productivity**

+ The Dell 3115cn’s colour print efficiency in simplex mode is above average; duplex print efficiency is competitive compared to comparable models tested.

— The unit’s colour copy efficiency for producing multiple sets could not be compared to competitive models as the ADF supports only simplex copying of one set of originals. (The 3115cn supports collate when optional memory is installed, which was not configured on BLI’s test unit.)

+ When printing BLI’s 19-page colour job stream test suite from the PostScript driver, the unit’s efficiency, at 65.79 percent of its rated engine speed, is above average. Job stream efficiency from the PCL driver, at 82.3 percent of its rated engine speed, is well above average.

*Tests were conducted using U.S. letter-size paper and A4 results may vary slightly.*
The Dell 3115cn demonstrated a first-print time for the PowerPoint file that is significantly faster than average when compared with tested units in this class, while the first-print time for the JPG file is competitive. However, the first-print time for the TIFF file is significantly slower than average for the group.

**Black Print/Copy Productivity**

- The unit’s simplex and duplex print efficiency rate are both below average when compared to competitive models in this speed range tested to date.

- In addition, the unit’s black copy efficiency for producing multiple sets could not be compared to competitive models as the ADF supports only simplex copying of one set of originals. (The 3115cn supports collate when optional memory is installed, which was not configured on BLI’s test unit.)

+ When printing BLI’s 19-page job stream test suite from the PostScript driver, the unit’s efficiency, at 57.25 percent of its rated engine speed, is above average. Job stream efficiency from the PCL driver, however, is below average.

+ The first-print time for the Word file used in testing is the fastest among comparable models, while the first-print time for the PDF is faster than average for the group.

Tests were conducted using U.S. letter-size paper and A4 results may vary slightly.

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**EASE OF USE**

- BLI technicians noted that retrieving paper from the output tray is not as easy as with some competitive models. For example, the output tray is located at the front of the device and paper exits toward the rear of the
device; at the rear of the device are two columns supporting the document feeder, which can get in the way of when removing paper from the output tray, especially if output is on A4 paper. Users must be careful to avoid damaging the paper when removing it from the output tray.

The Dell 3115cn is not as easy to use as a walk-up device for scan and copy functions as some other models in this class. In order to select copy or scan settings, users must scroll through the menu system to configure the desired scan or copy settings, as there are no dedicated keys on the control panel for these functions. If users choose to make a copy using the machine’s default settings, they must select copy from the menu system, place the originals in ADF or on the platen, select the number of copies and hit the start button.

Overall ease of use is enhanced by simple procedures for loading paper and adjusting paper drawers. However, after loading paper, users have to change the paper size through the control panel.

Using the auto-install routine, the PCL 5e/6 and Adobe PostScript 3 drivers are loaded with just seven clicks of the mouse, contributing to good overall ease of use. In addition, specifying job requirements from the well-designed print drivers was easy.

The unit’s cartridges are easy to remove and replace, and removing mis-feeds was also easy.

The unit ships with an installation software CD (containing the print drivers and the Dell Toner Management system) and full-yield cyan, magenta, yellow and black toner cartridges.

The unit’s standard memory of 256 MB and maximum memory of 1.2 GB are each the highest of products in this class.

While the Dell 3115cn’s standard paper capacity, at 400 sheets, is one of the highest for colour laser printers in this speed range, the unit’s maximum paper capacity, at 950 sheets, is the highest.

Copy functionality is limited to convenience copying of a single set of originals only, as the ADF does not support duplexing. However, if the 3115cn is configured with optional memory, the device will support copy collation.

Options for the Dell 3115cn include a wireless printer adapter, duplexing unit and three memory upgrades, 256 MB, 512 MB and 1 GB.
**SECURITY/ ACCESSIBILITY FEATURES**

- With Colour Track 2, administrators can create up to 50 individual or group accounts to restrict colour and monochrome printing. Administrators can also create passwords that are stored in the print driver to restrict printing. In addition, IP filtering restricts up to five users from accessing the unit.

- The embedded Web page can be password-protected by the administrator to keep unauthorised users from changing configuration settings

**TONER YIELD**

- When compared to A4 multifunction printers tested, the tested toner yields of the Dell 3115cn are all well above the average.
SUPPORTING TEST DATA

Test Environment

This product was tested in BLI’s 929-square-metre test lab, in an environment monitored by a Honeywell Temp/RH chart recorder, which replicates typical office conditions.

Test Equipment

BLI’s dedicated test network, consisting of Windows 2000 servers, Windows XP workstations, 10/100BaseTX network switches and CAT5 cabling.

Test Duration

Products are tested for two months, one month of which consists of a durability test during which the product is run at its manufacturer-rated maximum monthly volume, with daily volumes divided evenly over the course of the test.

Tested Configuration

Dell 3115cn configuration, which includes 256 MB of memory, a 400-sheet drawer and features network printing, copying, scanning and faxing as standard, as well as the optional duplex unit.

Test Procedures

The test methods and procedures employed by BLI in its lab testing include BLI’s proprietary procedures and industry-standard test procedures, including a BLI-developed variation of ASTM’s 1318-90 Test Method for Determination of Productivity using Electrostatic Copy Machines. In addition to a number of proprietary test documents, BLI uses an industry-standard KATUN test original for evaluating black image quality and test suites from Quality Logic to evaluate applications compatibility. In addition to a visual observation, colour print quality is tested using the ANSI standard IT8 Colour Test Target, which is read using the Minolta CM503I Spectrophotometer, and samples are analysed using the CIE XY Chromaticity Diagram. In addition, density of black and colour output is measured using an X-Rite 428 Densitometer. Tests are conducted using U.S. letter/ledger paper and A4/A3 results may vary slightly.
RELIABILITY

Reliability

<table>
<thead>
<tr>
<th>PMs/Malfunctions</th>
<th>Service Required</th>
<th>Meter Count (Impressions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter count (beginning of test)</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>End of Test Period</td>
<td></td>
<td>30,000</td>
</tr>
<tr>
<td>Total Misfeeds / Misfeed Rate</td>
<td>1 / Not applicable</td>
<td></td>
</tr>
<tr>
<td>Total Service Calls</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Multitasking Evaluation

<table>
<thead>
<tr>
<th>Primary Function</th>
<th>Secondary Function</th>
<th>SEND FAX</th>
<th>RECEIVE FAX</th>
<th>PRINT</th>
<th>SCAN</th>
<th>COPY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEND FAX</td>
<td></td>
<td>Yes</td>
<td>No¹</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RECEIVE FAX</td>
<td></td>
<td>Yes</td>
<td>No¹</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>PRINT</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No²</td>
<td>Yes</td>
</tr>
<tr>
<td>SCAN</td>
<td></td>
<td>No¹</td>
<td>Yes</td>
<td>Yes</td>
<td>No²</td>
<td>No¹</td>
</tr>
<tr>
<td>COPY</td>
<td></td>
<td>No¹</td>
<td>Yes</td>
<td>Yes</td>
<td>No²</td>
<td>No¹</td>
</tr>
</tbody>
</table>

¹ Does not allow access to other functions while scanning or copying. (6)
² The phone line is busy or is in use. (2)
³ Job can be programmed but document is not scanned until print job is complete. (1)

NOTE: (X) indicates number of occurrences. A “Yes” indicates that the user can initiate the secondary function while the primary function is taking place and that no further user intervention will be required for the secondary function to take place.
Print Quality

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text</td>
<td>Very Good</td>
</tr>
<tr>
<td>Line Art</td>
<td>Very Good</td>
</tr>
<tr>
<td>Halftone Pattern</td>
<td>Very Good</td>
</tr>
<tr>
<td>Halftone Range</td>
<td>Very Good</td>
</tr>
<tr>
<td>Solids</td>
<td>Good</td>
</tr>
<tr>
<td>Colour Business Graphics</td>
<td>Good</td>
</tr>
<tr>
<td>Colour Photographic Images</td>
<td>Fair</td>
</tr>
</tbody>
</table>

**Comments:**

Colour print quality is tested using the ANSI standard IT8 Colour Test Target with print samples taken at the beginning, midpoint and end of test period. The ANSI IT8 Colour Test Target is read using the Minolta CM503I Spectrophotometer and samples are analysed using the CIE XY Chromaticity Diagram.

When compared with other tested units, the Dell 3115cn displayed Good colour output. In print mode, business graphics were good, though some finer details in charts graphs were lacking. The unit produced a good-size colour gamut at the beginning of the test; but the range of colours produced over the test decreased slightly. The decrease in the gamut caused a shift of the primary colour magenta toward blue and a shift of the secondary colour red toward yellow. Also, when comparing a group of images printed at the beginning of the test to the same images printed at the end of the test period, BLI technicians noted a detectable change.

**Colour Density Readings**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Cyan</th>
<th>Magenta</th>
<th>Yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Density</td>
<td>1.15</td>
<td>1.16</td>
<td>0.77</td>
</tr>
</tbody>
</table>

*Density of a printed image with blocks of all solid colours (based on the average of two readings for each colour).*
Dell Multifunction Colour Laser Printer 3115cn

BUYERS LABORATORY  LAB TEST REPORT—European Edition

Print density:
1.18 to 1.26

Density for units in this class tested to date:
1.00 to 1.94

Halftone range:
From 1% to 100%, with distinct transitions between levels, though a very slight grid-like pattern was visible within levels. Measurements are based on four readings corresponding to four different solid black locations on the output. The higher the density reading, the darker the image.

Copy Quality

<table>
<thead>
<tr>
<th>Quality</th>
<th>Text</th>
<th>Line Art</th>
<th>Halftone Pattern</th>
<th>Halftone Range</th>
<th>Solids</th>
<th>Colour Business Graphics</th>
<th>Colour Photographic Images</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Very Good</td>
<td>Fair</td>
<td>Very Good</td>
<td>Very Good</td>
<td>Good</td>
<td>Fair</td>
<td>Fair</td>
</tr>
</tbody>
</table>

Colour Density Readings

<table>
<thead>
<tr>
<th>Colour</th>
<th>Cyan</th>
<th>Magenta</th>
<th>Yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Original</td>
<td>1.15</td>
<td>1.10</td>
<td>0.80</td>
</tr>
<tr>
<td>Copy</td>
<td>1.11</td>
<td>1.13</td>
<td>0.79</td>
</tr>
</tbody>
</table>

Density of copied image when tested in “Full Colour” copy mode using a KATUN test original containing blocks of all solid colours (based on the average of two readings for each colour).

Colour Fidelity Readings

<table>
<thead>
<tr>
<th>Fidelity</th>
<th>Yellow</th>
<th>Magenta</th>
<th>Cyan</th>
<th>Red</th>
<th>Green</th>
<th>Blue</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8.37</td>
<td>7.74</td>
<td>8.68</td>
<td>11.16</td>
<td>8.46</td>
<td>10.26</td>
<td>2.40</td>
</tr>
</tbody>
</table>

Colour fidelity of a copy to its original (using a KATUN test original containing blocks of all solid colours: tested in walk-up mode using the machine default settings in “Full colour” mode and auto exposure settings; average of two readings for each colour. Measurements are taken with a Minolta CM-503i spectrophotometer. The closer the number is to 0, the closer the copy's colour fidelity is to the test original (based on the average of two readings for each colour).
Copy density

Density of original:
1.20 to 1.35

Density of copy:
1.21 to 1.29

Measurements are based on four readings corresponding to eight different solid black locations on the output. The higher the density reading, the darker the image.

Density for units in this class tested to date:
1.21 to 1.35

Halftone range:
From 15% to 100%, with distinct transitions between most halftone levels, though toner coverage within dot-fill areas showed some graininess.

TESTED FIRST-PRINT TIMES

PostScript 3

<table>
<thead>
<tr>
<th>Windows 2000</th>
<th>Word</th>
<th>PowerPoint</th>
<th>Photoshop</th>
<th>Acrobat</th>
<th>Adobe</th>
<th>Photoshop</th>
</tr>
</thead>
<tbody>
<tr>
<td>File type</td>
<td>Black Text</td>
<td>Colour Graphic/Text</td>
<td>Colour Graphic</td>
<td>Colour Graphic/Text</td>
<td>Colour Graphic</td>
<td></td>
</tr>
<tr>
<td>File extension</td>
<td>DOC</td>
<td>PPT</td>
<td>TIF</td>
<td>PDF</td>
<td>JPG</td>
<td></td>
</tr>
<tr>
<td>Pre-Raster File Size</td>
<td>114 KB</td>
<td>99 KB</td>
<td>20 MB</td>
<td>426 KB</td>
<td>245 KB</td>
<td></td>
</tr>
<tr>
<td>Post-Raster File Size</td>
<td>121 KB</td>
<td>183 KB</td>
<td>51.6 MB</td>
<td>540 KB</td>
<td>2.17 MB</td>
<td></td>
</tr>
<tr>
<td>First-Print Time</td>
<td>7.03</td>
<td>10.33</td>
<td>133.27</td>
<td>13.70</td>
<td>18.96</td>
<td></td>
</tr>
</tbody>
</table>

First-print time indicates the time it took to RIP, image and deliver the first page of the test document set to the output tray.

Dell 3115cn’s rated speed:
30 ppm in black
17 ppm colour

First-print time out of energy-save mode:
26.06 seconds.

Warm-up time (from a cold start):
36.58 seconds.

Tests were conducted using U.S. letter-size paper and A4 results may vary slightly.
BLI’S TESTED PRINT SPEEDS

Monochrome print speed is tested using BLI’s Monochrome Test Original (with 6% page coverage). Colour print speed is tested using BLI’s Colour Test Original (with 5% page coverage per colour). The test page is printed in a quantity equal to double the vendor’s rated print speed for the device in each mode tested (e.g., if the vendor’s rated print speed is 20 ppm, 40 pages are printed). The Dell 3115cn’s print speeds were tested at High speed using the Adobe PostScript 3 driver.

Black first-copy time:
9.54 seconds from the platen.
11.02 seconds from the document feeder.

Colour first-copy time; colour:
18.40 seconds from the platen.
19.69 seconds from the document feeder.

Copies per minute; black:
31, excluding first copy.
27, including first copy.

Copies per minute; colour:
17, excluding first copy.
12, including first copy.

Document Feeding Speeds (black):
1:1 copy mode: 18.59 originals per minute.

Document Feeding Speeds (colour):
1:1 copy mode: 6.54 originals per minute.

Tests were conducted using U.S. letter-size paper and A4 results may vary slightly.
Job Stream

Colour mode:
When printing from the Adobe PostScript driver, the unit completed the job stream in 1 minute and 41.93 seconds, running at 11.18 ppm, which translates to an efficiency rate of 65.79%.

When printing from the PCL driver, the unit completed the job stream in 1 minute and 21.48 seconds, running at 13.99 ppm, which translates to an efficiency rate of 82.30%.

Black mode:
When printing from the PostScript driver, the unit completed the job stream in 1 minute and 4.24 seconds, running at 57.25 ppm, which translates to an efficiency rate of 17.75%.

When printing from the PCL driver, the unit completed the job stream in 1 minute and 07.36 seconds, running at 16.92 ppm, which translates to an efficiency rate of 54.59%.

BLI’s job stream includes Word documents, Outlook email messages, Excel spreadsheets, PowerPoint, HTML and Acrobat PDF files, totalling 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 printer as a group, at which time the stopwatch begins; timing ends when the last page of the last file exits the device. Job stream efficiency is determined by the percentage of the rated speed at which the unit operates when producing real-world jobs. The closer the rate is to 100%, or if it exceeds 100%, the more efficient the unit.
### SCAN FUNCTIONS

**Scan speed (150-dpi, TIFF; monochrome)**
1:1 mode: 12.62 originals per minute

**Scan speed (150-dpi, TIFF; colour)**
1:1 mode: 12.49 originals per minute

*Tests were conducted using U.S. letter-size paper and A4 results may vary slightly.*

### FAX FUNCTIONS

**Fax scanning speed:**
The average scanning speed is obtained from scanning into memory three originals using standard resolution and normal contrast settings; timing begins when the “start” button is pressed and continues until the last page exits onto the exit tray.

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Efficiency is tested using a 10-page document. In print mode, the document is printed at the default High speed using the Adobe PostScript 3 driver.

BLI obtains the overall efficiency for each copy/print mode by averaging the efficiency ratings (derived by dividing the tested speed of the device by the rated speed, and then multiplying by 100) for each run length (1, 5, 10 and 20 sets).

Note: The Dell 3115cn does not support duplexing in copy mode, so copy efficiency is for one set in simplex mode; BLI was unable to perform copy efficiency testing in duplex mode.
Fax scanning speed with 4% page coverage original: 4.03 seconds per page.

Fax scanning speed with 12% page coverage original: 3.96 seconds per page.

### Dell 3115cn Print Driver Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>PCL 6</th>
<th>PostScript 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Feature/Device Detection</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Booklet Printing</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumables Gauge</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Collate Sets</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Max Paper Sources Per Job</td>
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<td>2</td>
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<tr>
<td>Mirror Image</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Negative Image</td>
<td>No</td>
<td>No</td>
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<tr>
<td>N-up Printing</td>
<td>2 to 16</td>
<td>2 to 32</td>
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<tr>
<td>Overlay</td>
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<td>No</td>
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<tr>
<td>Paper Gauge</td>
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<tr>
<td>Print and Hold</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Proof Print</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Quantity Selection</td>
<td>Up to 999</td>
<td>Up to 9,999</td>
</tr>
<tr>
<td>Reduction/Enlargement</td>
<td>25% to 400% Auto</td>
<td>25% to 400% Auto</td>
</tr>
<tr>
<td>Resolution Modes</td>
<td>Standard, High Quality</td>
<td>High speed, High Quality</td>
</tr>
<tr>
<td>Save Settings</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Secure Printing</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Watermarks/Custom Watermarks</td>
<td>Yes/Yes</td>
<td>No/No</td>
</tr>
</tbody>
</table>

Send once/print many:

Yes. The file size sent to the printer from the PC did not increase when printing multiple collated sets regardless of whether collate was selected from the Windows print screen within an application or from within the drivers. Output was properly collated.
## Toner Yield

### Tested Toner Yield (Colour)

<table>
<thead>
<tr>
<th>Colour (10%)</th>
<th>Net Weight (Grams)</th>
<th>Toner Yield (Impressions)</th>
<th>Impressions Per Gram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>108.2</td>
<td>8,197</td>
<td>75.75</td>
</tr>
<tr>
<td>Cyan</td>
<td>96.8</td>
<td>7,383</td>
<td>76.27</td>
</tr>
<tr>
<td>Magenta</td>
<td>90.25</td>
<td>7,775</td>
<td>86.14</td>
</tr>
<tr>
<td>Yellow</td>
<td>86.3</td>
<td>7,533</td>
<td>87.28</td>
</tr>
</tbody>
</table>

### Tested Toner Yield (6% Black)

<table>
<thead>
<tr>
<th>Colour (6%)</th>
<th>Net Weight (Grams)</th>
<th>Toner Yield (Impressions)</th>
<th>Impressions Per Gram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>109.6</td>
<td>7,551</td>
<td>68.89</td>
</tr>
</tbody>
</table>
CERTIFICATE OF RELIABILITY

AWARDED TO

DELL, INC.

For the performance of the
Dell Multifunction Colour Laser Printer 3115cn
throughout BLI's in-house durability test.

This is to certify that when subjected to a 30,000-impression
Buyers Lab durability test in a networked environment,
the Dell Multifunction Colour Laser Printer 3115cn proved to be a highly reliable product.

ANTHONY F. POLIFRONE
MANAGING DIRECTOR

August 2007

THE LEADING INDEPENDENT OFFICE PRODUCTS TEST LAB AND BUSINESS CONSUMER ADVOCATE
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