E Océ 31x5E

Scan Jobs





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Océ 31x5E

Scan Jobs

Chapter 1 Introduction



About this manual

This user manual explains how to scan documents on the Océ 31x5E. It describes the individual steps in the scanning process and how to monitor the progress of your scan jobs. In addition, the manual covers what to do when unexpected errors or problems with scan jobs occur.

The Océ 31x5E has an excellent reputation in the market because of its outstanding copy quality and its productive speed. These characteristics also apply to scanning. Scanning speed - even at high precision - is optimized for professional daily usage. Even with its high precision and speed, the Océ 31x5E is easy to use and very reliable.

Scanning on the Océ 31x5E was mainly developed for Print-on-Demand purposes, that is, scan now, print later. In this respect, scanning is supplied to you as a total system solution. On the other hand, scanning on the Océ 31x5E is built as an open system. It uses widely-used standards like TIFF and PDF packaging for scanned documents. Scan files are compressed in size without loss of quality before being transmitted. This compression adheres to standards like CCITT.T6. The use of standards means that you can also use applications developed by other vendors to broaden the use of scanned files in your organization.

Your IT department or your Océ system consultant can help you integrate the scan solution into your organization by defining so-called scan profiles to customize the use of scan files.

Despite all these possibilities, scanning documents is as easy as making copies. That is what you can expect from Océ.

Scanning on the Océ 31x5E

Scanning is the process of optically reading a paper original and digitizing it in order to

- print it at a later time
- archive and/or view it
- fax or email it
- reuse parts of it
- ∎ etc.

On the Océ 31x5E, the scan function was basically developed to scan information and print it later on demand.



[1] Scanning for Print-on-Demand

Place the paper originals to be scanned in the automatic feeder or on the glass platen, select settings and start scanning. The information is digitized and converted to a TIFF file or a PDF file which is then sent by the DAC to a specific directory on an NT server. Using the Océ Job SubmitIT application, you can then browse to this directory, select the TIFF/PDF file and send it to the Océ 31x5E to be printed.

In addition to the function just mentioned, these TIFF/PDF files can be used in many other ways. You can scan paper originals for archiving - which takes less space in digital form - or think of many other ways in which you can use this powerful tool. To do so, you will need software applications that are not delivered by Océ as part of this product. For example, you may need a file manager, fax application, or program that allows you to view the pages in the TIFF/PDF file on your PC screen, etc.



[2] Scanning for use in other applications

These (non-Océ) applications may be installed on your PC or may be running on the server to which the TIFF/PDF files are transported.

About scan profiles

Use of profiles Scan profiles are used to select a combination of specific scan settings. These settings produce a TIFF/PDF file that is optimized for a specific purpose. With a scan profile, the name of the resulting TIFF/PDF file can also be influenced. That is, you may be asked to enter a number which will be part of the file name. Or, all files created by a specific scan profile will have a specific prefix which is used to recognize files prepared for a specific application.

This means that a selected scan profile always applies to the entire job. In the case of a combined scan job, you cannot select different scan profiles for parts of the job.

Standard profiles The Océ 31x5E is delivered with two standard scan profiles that have been defined by Océ:

- Printing 600 dpi, which generates a TIFF/PDF file that is optimized for printing on the Océ 31x5E. A printed copy of this file is of excellent quality, but the file size may be large.
- Viewing 300 dpi, which generates a TIFF/PDF file that is optimized for viewing or archiving purposes. The file size is smaller, but when printed on the Océ 31x5E produces a printed copy of less quality.

Your system administrator may have added company-specific scan profiles to this list.

No default profile There is no default profile. Scan profiles are listed in alphabetic order and one of these is always selected. Resetting the settings or switching to another application does not change this selection. This means that if you do not select another profile, the one previously used will be applied.

Note: When the system administrator has updated the list of profiles, or when the machine was restarted, the first profile in the list will be selected.

Default file name The default name of a TIFF/PDF file generated with the profiles provided by Océ contains the date and time of scanning ("scanjob_yyyymmdd_hhmmss.tif"), unless your system administrator has changed this.

Examples of using scan profiles

To understand the benefits of using scan profiles, have a look at the following two examples.

Confirm file name Let's say you have a document which contains pages that you would like to email to another colleague. Of course, you want to keep the file as small as possible, so you select a profile which scans at 300 dpi, for example, the Océ profile 'Viewing 300 dpi'. Let us suppose that your system administrator has adjusted this profile in such a way that you are requested to confirm the file name



[3] Request to confirm file name

This means that you are able to write down the file name of the resulting TIFF/PDF file and are thus able to quickly locate this file later on the server.

Enter job number Let us assume that your system administrator has created a template called 'Fax', which you are told to use when you want to send a fax. Having selected this profile and after starting the job, you are requested to enter a telephone number.



[4] Request to enter a job number

How many digits you must enter for the number, is indicated by the lozenge-shaped symbols: the total represents the maximum number of digits, whereas those in bold represent the minimum number of digits of which the job number must consist.

The display also shows the file name which will be given to your job. The first part of the file name will always be the same for all jobs scanned with this profile. In our example, this is the word 'Fax', followed by the telephone number you entered and the date/time.

Once your originals have been scanned and the resulting TIFF/PDF file has arrived on the file server, a customized fax application on the server detects an incoming file starting with the prefix 'Fax' and automatically sends this file to the specified fax number.

Note: Such a fax application as described, is not part of the product delivered by Océ, but may have been bought from another supplier or have been specially developed.

Océ 31x5E

Scan Jobs

Chapter 2 Scan jobs

This chapter describes both simple and combined scan jobs. Which method to use for which type of originals is explained in the introduction. Furthermore, it contains information about how to stop and remove jobs.



Introduction

There are basically two types of originals that are commonly scanned. Each type requires a different scanning procedure.

Standard originals This type of original consists of pages which are all the same size and are on 20 lb. bond paper. The information is identical on all pages, so no special settings for individual pages are required. The total number of sheets in the set does not exceed 50 sheets of 8.5x11" or 35 sheets of 11x17" size paper.

With this type of original, the set of originals can be placed in the automatic feeder and scanned as a single job. When finished, the set of scanned pages is stored as one single TIFF/PDF file. This method is called simple scanning.

Special and/or mixed originals The set of originals consists of originals which vary in size or consist of more than 50 sheets. Or, the information on some pages may require deviating settings. The set may also contain special originals (books, photographs, originals smaller than 11x17") which need to be scanned from the glass platen.

In this case, the set of originals must be scanned in a number of subsets. Each subset consists of one or more originals. When finished, all subsets will be combined into a single TIFF/PDF file. This method is described as combined scanning.

Other settings You can change settings to get the right images in the resulting file, such as reduced/enlarged pages or quality adjustments. If you use the simple scanning method, these settings apply to the entire job, whereas for combined scanning these settings apply to part of the job, or even individual pages.

Simple scanning

The fastest way to scan a set of identical originals of a standard paper size is by using the document feeder. The physical size of the document feeder limits the set to 50 sheets of $8.5 \times 11^{\circ}$ size (20 lb. bond) or 35 sheets of $11 \times 17^{\circ}$ size.

Note: Originals on a non-standard paper size or special material can only be copied from the glass platen (see 'Combined scanning' on page 22).

The direction in which you place the top of your original pages into the automatic feeder is important. If you place originals with the text upside-down, the pages will appear upside-down in the digital document. Figure 5 shows correct and incorrect ways of placing originals into the automatic feeder.



[5] Correct and incorrect feed directions

Note: Scanning and printing 8.5x11" originals is most productive when using long-edge feed.

The document feeder detects the size of the original and automatically detects the corresponding page size for the digital document. By factory default, it is assumed that originals are printed 1-sided and that the pages contain portrait-oriented information. This means that you only need to change original settings if you have a 2-sided copy and/or landscape-oriented information.



[6] Overview of original options

Simply indicate what your originals look like by selecting the corresponding icon. By doing so, you ensure that the information in the digital document is read from top to bottom. And this, in turn, allows you to determine later on how to print the digital document (or process it in another way).



[7] Effect of selecting the correct original settings

Scanning a set of identical originals

1 Select the Scan mode.

The list of available scan profiles is shown.

- 2 If not yet selected, select the required profile using the arrow buttons.
- 3 Place the originals (max. 50 sheets of 8.5x11" or 35 of 11x17" paper) in the automatic document feeder and adjust the original guides. The page size for the digital document is automatically selected.
 Note: The originals must all be the same size and must be flattened. See appendix A for an overview of originals that can be used.
- 4 Open the 'Original' section.
- **5** Indicate whether the originals are 1 or 2-sided.
- **6** Select the icon representing the orientation of information and the binding of your original pages ('Book binding' or 'Calendar binding').
- 7 Select other settings as required, e.g. reduction or enlargement.

8 Press the start button (\diamondsuit).

Note: You may need to enter a number and/or press the start button to confirm the file name. This depends on the scan profile selected for this job. If so, this will be indicated on the display.

The originals will be scanned sheet by sheet and the image information will be converted to a multipage TIFF/PDF file and stored on the server. The name of the TIFF/PDF-file always contains the date and time of scanning. This allows you to distinguish your scan job in the list of files on the server.

Combined scanning

When to use When you need to scan a set of originals which consists of pages that vary in size, type of material or consists of more than 50 sheets, you must scan these originals in separate parts. Non-standard originals need to be copied from the glass platen, which means that each page is a separate part of a scan job. For each part of a scan job you can change job settings as required.

Example Suppose you want to scan a report on 8.5x11" paper to which you want to add a number of 11x17" pages (to be reduced to fit on 8.5x11" paper) plus a couple of photographs. You need a couple of copies now and you know you will have to make some more copies in the near future. For scanning the 11x17" pages, you need different settings than for the 8.5x11" pages, and the photographs need to be copied from the glass platen.

Page size selection The page size selection is set to 'Automatic' by default, which means that the page size for the digital document is automatically selected to produce an image of the same size. This selection is based on the paper size of originals in the automatic feeder. The size of originals on the glass platen, however, cannot be automatically detected. This means that you must manually select the required page size when scanning originals other than 8.5x11", portrait (the default setting) from the glass platen.

Indication of parts This means that the full set of originals must be scanned in separate parts, as each part requires specific settings. And, you need to start scanning each part using the combine button and indicate the last part in the sequence with the start button. When finished, all parts will be combined into a single TIFF/PDF file.

Required disk space Each time the combine button or the start button is pressed, the Océ 31x5E checks whether there is sufficient disk space left to store the scanned information. If not, the job will not be started.

Scanning and combining subsets of originals

1 Select the Scan mode.

The list of available scan profiles is shown.

- 2 If not yet selected, select the required profile using the arrow buttons.
- **3** Place the first set of originals in the automatic document feeder or align the first original on the glass platen.
- 4 Open the 'Original' section.

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- **5** Indicate whether the originals are 1 or 2-sided (from the glass platen only 1-sided originals can be scanned).
- **6** Press 'Book binding' or 'Calendar binding' to select the icon representing the orientation of information and the binding of your original page(s). See figure 6 on page 20.

7 For an original on the glass platen only: open the 'Digital document' section and select the required page size.
Note: Make sure that the orientation of the original on the glass platen corresponds with the orientation of the selected page size.

- 8 Select other settings as required, e.g. reduction or enlargement.
- 9 Press the combine button (⇒).
 Note: You may need to enter a number and/or press the start button to confirm the file name. This depends on the scan profile selected for this job. If so, this will be indicated on the display.
- **10** Place the next set of originals in the automatic document feeder or align the next original on the glass platen.
- 11 Select required settings.
- **12** Press the combine button (\Rightarrow) .
- **13** Repeat steps 10 through 12 for each next set or original.
- 14 When finished, press the start button (\diamondsuit) to indicate the end of the job.
- 15 Press the start button (𝔅) once more to confirm the end of the job.
 Note: The person in charge of the Océ 31x5E may have deselected the request for confirmation.

Reducing or enlarging images

Originals in the automatic feeder When you place an original on standard paper size (11x17", 8.5x11" or 5.5x8.5") in the automatic feeder, the corresponding page size is automatically selected. If you need an enlarged or reduced image instead, simply select the required page size. In doing so, the page size selection will switch to manual. Because the 'Enlargement or reduction' function is set by default to automatic, the corresponding reduction/ enlargement percentage will be set accordingly. If, for some reason you wish to use another percentage, you can manually select a reduction or enlargement percentage of between 25 and 400%.

Originals on the glass platen The size of originals cannot be automatically detected on the glass platen. Thus, when scanning from the glass platen, you will have to select the page size and possibly a reduction or enlargement percentage manually.

Zoom direction The starting point and the zoom direction differs for originals in the automatic feeder versus originals on the glass platen. This effects the position of the image on the page (see figure 8).



[8] Reduction/enlargement differences between glass platen and automatic feeder

Test copy Make a test copy first, especially when reducing or enlarging from the glass platen. Start scanning when you are satisfied with the result.

Reducing or enlarging images

- 1 Select the Scan mode. The list of available scan profiles is shown.
- 2 If not yet selected, select the required profile using the arrow buttons.
- **3** Place the set of originals in the automatic document feeder or align the original on the glass platen.
- 4 Open the 'Original' section.
- **5** Indicate whether the originals are 1 or 2-sided (from the glass platen only 1-sided originals can be scanned).
- **6** Press 'Book binding' or 'Calendar binding' to select the icon representing the orientation of information on your original page(s). See figure 6 on page 20.
- **7** Press the 'Digital document' section button and select the required page size. For an original in the automatic feeder, the required reduction or enlargement percentage is now set.
- **8** To manually set a required reduction/enlargement percentage, press the 'Reduction or enlargement' function button and then use
 - ' \blacktriangleleft ' or ' \blacktriangleright ', in order to select one of the preset standard values.
 - ' \blacktriangle ' or ' \checkmark ', in order to select a percentage between 25 and 400%.
- **9** Select other settings as required.
- **10** Start scanning using the combine button (\clubsuit) or the start button (\diamondsuit) .

Optimizing scan quality

The Océ 31x5E is designed with Océ's patented Image Logic digital scanning technology. This makes it possible to detect photos, rasters and fine lines on the original and process the information in such a way that it results in a digital image of very high quality. This means that in most cases, you do not need to adjust quality settings for an optimal result.

Image optimization Using the 'Optimize' function (in the 'Digital document'section) is only necessary for special originals. You can choose one of two options to optimize the scanned image:

- Photo: when you select the 'Photo', option, the whole original will be scanned as a photo. If this option is not used, a lower quality scan of text on the original may occur.
- Text: when you select the 'Text' option, the whole original will be scanned as text. If this option is not used, a lower quality scan of photos on the original may occur.

Lighter or darker image In addition to other features, you can select to produce a lighter or darker image, in combination with the 'Optimize' function to get the best results.

Test copy To test which settings produce the best image quality for printing on the Océ 31x5E, make a copy first. Start scanning when you are satisfied with the result.



[9] Scan quality settings

Improving the image quality

- 1 Select the Scan mode. The list of available scan profiles is shown.
- 2 If not yet selected, select the required profile using the arrow buttons.
- **3** Place the set of originals in the automatic document feeder or align the original on the glass platen.
- 4 Open the 'Original' section.
- **5** Indicate whether the originals are 1 or 2-sided (from the glass platen only 1-sided originals can be scanned).
- **6** Press 'Book binding' or 'Calendar binding' to select the icon representing the orientation of information on your original page(s). See figure 6 on page 20.
- 7 Open the 'Digital document' section.
- 8 If required, select the required page size.
- **9** Go to the 'Image quality' settings (see figure 9).
- **10** Press the 'Optimize' function button in order to select the 'Text' or 'Photo'options.
- **11** If required, use the arrow buttons to select a lighter or darker output.
- **12** Select other settings as required.
- **13** Start scanning using the combine button (\diamondsuit) or the start button (\diamondsuit).

Stopping a scan job

Occasionally you may want to stop the scanning process to change settings, or to complete other tasks.

▼

Stopping the scanning of a scan job

- **1** Press the orange 'C' correction button.
 - If the scan job was started with the start button, the Océ 31x5E will be ready for a new scan job. Pages already scanned will be removed from memory.
 - If the scan job was started with the combine button, the Océ 31x5E will be ready to scan the next part. Pages of the canceled subset are removed from memory, whereas scanned pages of previous subsets are kept in memory.
- **2** To remove the previous subsets from memory as well, press the 'C' correction button again.

Removing scanned jobs

You may want to remove scan jobs which you have finished scanning. Whether you can still remove the job in question, depends on the status of the job in progress (see figure 10):

- Jobs that you have finished scanning, but that are still waiting in the set memory for transport to the DAC, can be removed. The display shows the number of waiting jobs (max. 15).
- Jobs that have arrived at the DAC or have already been transferred from the DAC to the server cannot be stopped. These files can only be deleted from the server.



[10] The scanning process

Please be aware that you cannot remove a specific scan job. You can only remove *all* finished scan jobs in the set memory. If you want to remove selected jobs only, wait for the jobs to arrive on the server.

Note: The current job (if any) that you are still scanning and that you have not yet finished, will remain in the set memory.

Removing finished scan jobs from the set memory

- **1** Press the red stop button ' \bigcirc '.
- **2** Press the start button (\diamondsuit) to confirm (or press 'C'to cancel).

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Scan Jobs

Chapter 3 Monitoring job progress

This chapter explains how to monitor the progress of scan jobs using the optional Océ Print Logic application.



Introduction

The optional Print Logic software allows you to monitor scan jobs from your PC. Figure 11 shows which tools can be used to give information about a specific part of the process.



[11] Monitoring points in the scanning process

The printer monitor When you start the Printer monitor a small window appears on your desktop that keeps you informed of all activities on the Océ 31x5E (copying, printing, mailbox printing or scanning).

The job control window In the 'current job' section of this window you can also monitor the activities of the Océ 31x5E. But more importantly, when a scan job is being executed, you will also see the file name of the resulting TIFF/PDF file.

The scan monitor When you start the Scan monitor, a small window appears on your desktop that informs you on the status of all scan jobs waiting on the DAC for transfer. The Scan monitor can be configured to send a notification when all jobs have been transferred. And, you can select to be notified whenever the Océ 31x5E requires your help.

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Monitoring scanning

The Printer monitor keeps you informed of all activities on the Océ 31x5E (copying, printing, mailbox printing or scanning). You will also be informed of any problems which occur during one of these activities.

The current job section of the job control window shows information about the current job. It can be very useful to find out which file names will be used for a scan job. This file name will be visible as long as scanning continues (which might be a short amount of time if the jobs are small).

Opening the job control window

- 1 Click the Start menu button, click 'Programs', then click 'Océ', then 'Print Logic' and finally click 'Job control'.
- 2 If a dialog appears with a list of printers, select the required printer(s) from the list.
- 3 Click OK.

Note: You can also select this option from the Tools menu of the Available printers window, or by double-clicking the Job monitor or Printer monitor.

Opening the printer monitor

- 1 Click the Start menu button, click 'Programs', then click 'Océ', then 'Print Logic' and finally click 'Printer monitor'.
- 2 If a dialog appears with a list of printers, select the required printer(s) from the list.
- 3 Click OK.

Note: You can also start the Printer monitor by selecting the printer(s) in the Available printers window and then selecting 'Printer monitor' from the Tools menu or the menu available by clicking on the right mouse button.

The Printer monitor will be opened, showing the activities of one or more printers. Each time there is a problem, you will be notified (as long as the Printer monitor is active).

Monitoring file transfer

When using the Print Logic software you can monitor the progress of the transfer of scan jobs from the DAC to the file server. The Scan monitor is a very useful tool which can be opened on your desktop (see figure 12) and which keeps you informed about the status of your scan jobs on the DAC.

Sc	an monitor	?×
	personal scan job(s) pending on DACje bij ECO-3 (ECODAC).	

[12] The Scan monitor

Note: If you use more than one $Océ \ 31x5E$ with the optional scan function, you will be able to start a Scan monitor for each one. This is especially useful for monitoring multiple machines.

You can start the Scan monitor manually or automatically each time you start Windows.

Starting the Scan monitor

- 1 Click the 'Start' button and then point to 'Programs', 'Océ', then 'Print Logic' and finally click 'Available printers'.
- 2 Select the printer whose scan jobs you want to monitor.
- **3** On the 'Tools' menu, click 'Scan monitor'.

A scan monitor will open for the selected printer and inform you as to how many jobs are waiting on the DAC for transfer to the server.

4 Repeat steps 2 and 3 for every additional printer you want to monitor. Each monitor will be appended to the previous one.

Notice that an icon will also be added to the system tray located at the far right of the Windows Task bar.

Note: When the Scan monitor is closed (but not quit entirely) you can hold your mouse cursor over the Scan monitor icon in the system tray. You will then also get information about the number of pending jobs.

Autostarting the Scan monitor

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- 1 Click the 'Start' button, and then point to 'Settings'.
- 2 Click 'Taskbar', and then click the Start Menu 'Programs' tab.
- 3 Click 'Advanced', then double-click the 'Programs' folder. In the 'Océ' folder, you will find a program folder with the name 'Print Logic', unless you have installed Print Logic in another program folder.
- 4 Double-click the program folder containing the 'Print Logic tools'.
- **5** Copy the Scan monitor application.
- 6 Open the StartUp folder in the Programs folder.
- 7 Paste the copied application.
- 8 Close the windows.

Each time you start Windows, the Scan monitor in the StartUp folder will be automatically started.

Changing Scan monitor settings

When the Scan monitor is active, by default you will receive a message each time all scan jobs are ready and have been transferred from the DAC to the server (the counter reaches zero). If the Network Copier needs your help while scanning a job, you will also be notified. These Scan monitor settings can be changed.

Options for scanning	? ×
Notify me when	
the scan job is <u>r</u> eady	
Alert me if	
OK Cancel <u>H</u> e	lp

[13] Scan monitor settings

▼

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Changing notification options for scanning

- 1 Using your right mouse button, click the 'Scan monitor' window.
- 2 Click 'Options'.
- **3** Select or deselect the option to be notified when all scan jobs are ready.
- **4** Select or deselect the option to be alerted when the printer needs help while scanning jobs.
- 5 Click OK.
Hiding/showing the Scan monitor

You can hide the Scan monitor, if required. In that case, the monitor is still active (shown as an icon in the system tray at the far right of the task bar) and you still receive messages. And, having hidden the monitor, you can show it again.

The Scan monitor window can also be placed on top of all other windows.

Hiding / showing the scan monitor

- 1 Place the mouse cursor on the title bar of the monitor window.
- 2 Click the right mouse button and select the 'Hide' option. The Scan monitor icon is now only shown in the system tray.
 Note: You can also click the X-button in the top right corner of the monitor window to hide the monitor.
- 3 To show the monitor again, double-click on the monitor icon in the system tray.

Placing the Scan monitor on top

Using your right mouse button, click on the Title bar of the Scan monitor window and click 'Always on top'.

Quitting the Scan monitor

The Scan monitor consist of two parts: the window on the desktop and the icon in the task bar. In order to quit the Scan monitor *entirely*, you have to close both elements.

Quitting the Scan monitor

- 1 Place the mouse cursor on the title bar of the monitor window.
- 2 Click the right mouse button and select 'Exit'. The Scan monitor closes and quits.

If you click the X-button in the top right corner of the monitor, you only hide the monitor. The monitor icon is still shown in the system tray (at the far right of the task bar). To quit, place the mouse cursor on the tray icon, click the right mouse button and select 'Exit'. To remove one printer from the list, use the right mouse button and click on it. Then click 'Remove'.

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Scan Jobs

Chapter 4 Problem solving

This chapter describes a number of problems as well as corrective actions. If you encounter problems you cannot solve, contact your system administrator who in turn may contact the Océ help desk.



Error messages and possible solutions

Message	"Scan job cannot be started because the previous file
C C	could not be transported"
Description	Initializing of a new scan job will be refused if the DAC
	has less than a certain amount of free local disk space.
Solution	Allow the DAC some time to send files to the server. If
	it takes too long, ask your system administrator to check
	the proper working of the network connection.
Message	"Scan job(s) aborted. This and the previous file could
	not be transported"
Description	Disk full and other problems resulting from insufficient
	space on file server.
Solution	Allow the DAC some time to send files to the server. If
	it takes too long, ask your system administrator to check
	the proper working of the network connection.
Message	"Please wait. # jobs being processed (maximum)"
Description	Limited number of possible files reached
Solution	Allow the DAC some time to send files to the server. If
	it takes too long, ask your system administrator to check
	the proper working of the network connection.
Message	"Scan job limited to 500 pages" or "Job consists of
	too many images. Job has been finished."
Description	You cannot scan more than 500 pages and combine them
	into a single TIFF/PDF file.
Solution	Press start to indicate that the job is ready. Scan the re-
	maining originals as a new job. Use the PC to combine
	the two resulting TIFF/PDF files.

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Incorrect images when viewing

Problem description	All pages appear upside-down
Possible cause	You have placed the originals in the wrong direction in
	the automatic feeder or on the glass platen.
Solution	Scan the originals again and make sure they are correctly
	placed (see figure 5 on page 19).
Problem description	Every 2nd page appears upside-down
Possible cause	The binding option you selected does not correspond
	with the orientation of the information on your original
	pages.
Solution	Scan the originals again and select the correct binding
	option (see figure 6 on page 20).
Problem description	All pages appear sideways (90 or 270 degrees ro-
	tated)
Possible cause	a. Wrong orientation selected
	b. Original feed direction confused with orientation of information
	c. The imaging application you use does not process the
	TIFF/PDF file in the right way.
Solution	Scan the originals again and select the correct binding
	option (see figure 6 on page 20 and figure 7 on page 20).
	If the problem persists, your imaging application is
	probably the cause. Try another application.
Problem description	
Possible cause	
Solution	

Error situations when monitoring

Problem description	The scan monitor or printer monitor shows the icon and/or the counter does not decrease within a reasonable period of time
Possible cause	The connection between the DAC and the
	Network Copier has been lost.
Solution	Report the problem to your system administrator.

Océ 31x5E

Scan Jobs

Appendix A Overview and tables



Product specifications

Process	Organic photo conductor
	Océ Copy Press technology,
	600 dpi LED digital copying,
	Image Logic for copy and scan quality.
Print speed Océ 3145E	46 8.5x11"-pages a minute, for 1-sided copies
	40 8.5x11"-pages a minute, for 2-sided copies
Scan speed Océ 3145E	45 8.5x11"-pages a minute
Print speed Océ 3155	52 8.5x11"-pages a minute, for 1-sided as well as 2-sided copies
Scan speed Océ 3155	52 8.5x11"-pages a minute
Print speed Océ 3165E	62 8.5x11"-pages a minute, for 1-sided as well as 2-sided copies
Scan speed Océ 3165E	54 8.5x11"-pages a minute
Resolution	Scanning: 400 dpi x 256 shades of grey
	Printing: 600 dpi, black/white
Warm-up time	About eight minutes
Original sizes	Via automatic document feeder:
0	Either European paper sizes (max. A3, min. A5) or USA pa-
	per sizes (max. 11x17", min. 5.5x8.5"), capacity: 50 sheets
	of 8.5x11", 20 lb. bond paper at a time; can be refilled dur-
	ing the copying process.
	Glass platen: all sizes
Copy sizes	max. 11x17", min. 5.5x8.5", from four paper trays, totalling
	3,500 sheets, automatic selection of paper size
Set memory capacity	Standard 128 Mb RAM.
Output	In finisher: output per set (one page can also be a set)
	max. 650 unstapled sheets 8.5x11" portrait-oriented paper,
	20 lb. bond (Océ 3145E and Océ 3155), max. 1000 unsta-
	pled sheets 8.5x11" portrait-oriented paper, 20 lb. bond
	(Océ 3165E, optional on Océ 3145E and Océ 3155).
	In upper output tray: output per page max. 450 sheets all pa-
	per sizes on 20 lb. bond
Finishing	Automatic stapling of either max. 35 (Océ 3165E) or 50
	(Océ 31x5E) sheets of 20 lb. bond paper in the upper left
	corner.
	Manual stapling.
	Provided with covers, separation sheets, blank pages and
	appendices.

Exposure setting	Automatic optimal copy quality using exposure adjustment
	for the entire page including photo setting (Image Logic).
Zoom	25 - 400%, manual enlargement or reduction
Scan job limitations	Max. 500 images in one TIFF/PDF file
	Max. 500 parts to be combined into 1 scan job
	Max. 15 jobs being processed at the same time
	Max. 100 profiles
	Max. 15 digits to be added to file name

Note: More information regarding the product specifications can be found in the Océ 31x5E safety information sheet in appendix B.

Originals that can be used

Originals		Specifications					
Original sizes	Glass platen	max. 11x17"					
	Automatic document	min. 5x7"					
	feeder	max. 11x17"					
Original weight	Glass platen	any weight (max.22 lbs.)					
Automatic document		50 sheets on 20 lb. bond					
	feeder						
Original type	Glass platen	any type original					
	Automatic document	slightly curled, undamaged originals					
	feeder	1 and 2-sided					

Note: Do not use transparent originals in the automatic document feeder.

Functional overview scan mode

Section	Subsection	Settings
Original		Original
		Book binding
		Calendar binding
Digital document	Page size	Selection
		Size
		Enlargement or reduction
	Image quality	Optimize
		Lighter or darker
	Special settings	System management
Profiles		Available profiles

Océ 31x5E

Scan Jobs

Appendix B Hardware components and operating panel



Océ 31x5E



- 1 staple remover
- 2 original unit cover
- 3 automatic feeder
- 4 original receiving tray
- 5 operating panel
- 6 upper output tray
- 7 11x17" paper rest

- 8 stapler
- 9 finisher tray
- 10 special feeder
- 11 lower output tray
- 12 on/off button
- 13 paper compartment
- 14 small front door

Operating panel



- 1 graphic display
- 2 section buttons
- 3 arrow buttons
- 4 stop button
- 5 correction button (C)
- 6 function buttons
- 7 copy quantity buttons

- 8 copy counter
- 9 start button
- 10 combine button
- 11 without function

Océ 31x5E

Scan Jobs

Appendix C Safety information



General safety information

For questions about Océ products which are related to health, safety and the environment, please contact your Océ organisation at the address listed in the last appendix of this manual.

Radio interference

Note: This equipment has been tested and found to comply with the limits for a class A device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the user manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC = Federal Communications Commission.

Symbols

Stickers with the following illustrations are used in this machine to indicate parts which should not be touched due to high voltage or extreme heat, or parts which require extra attention:

Symbol

Meaning



Caution, high voltage



Caution, high temperature



Caution

Instructions for safe use

Attention: Products designed by Océ are developed and tested in conformance with the strictest international safety standards. However, to help assure the safe operation of these products, it is important that:

- you carry out maintenance only as far as prescribed in this manual.
- you observe the following safety recommendations:

Maintenance

- Do not remove any screws from fixed panels.
- Do not place any liquids on the machine.
- Use maintenance materials or other materials for their original purpose only. Keep maintenance materials away from children.
- Do not mix cleaning fluids or other substances.
- To avoid damage and the risk of personal injury, all modifications to Océ equipment are strictly reserved for properly qualified and trained service technicians.

Power connection

- Do not move the machine yourself: contact Service
- If unforeseen circumstances force you to re-install the machine without the assistance of Océ Service, make sure that the machine is connected to a power outlet which is equipped with a fuse or circuit breaker with the appropriate capacity.
- Do not bridge any mechanical or electrical circuit breakers.
- Do not use an extension cord to connect the machine.
- We recommend that you connect only copy-control devices or other devices which meet (inter)national product safety and radio-frequency interference standards, and that you use connection cables recommended by Océ.
- This equipment is not designed for connection to an IT power system. (An IT power system is a voltage network in which the neutral wire is not connected to earth.)
- For equipment connected via a wall outlet: place the machine close to an easily accessible wall outlet.
- For equipment connected to the electrical system via a permanent connection: make sure that the disconnect device in the permanent connection is easily accessible.

Ventilation and location

- Do not block the machine's ventilation openings.
- Make sure that the machine is placed on a level, horizontal surface which is strong enough to bear the full weight of the machine. See the Océ 31x5E safety data sheet in this appendix for information about the weight of the machine.
- Make sure that there is sufficient space around the machine. This facilitates both proper loading of materials and equipment maintenance.
- Do not place the machine in a room which is subject to excessive vibration.
- Do not place the machine in a room that is too small and insufficiently ventilated. See the Océ 31x5E safety data sheets in this appendix for information about space and ventilation requirements.

General

- Always use materials recommended by Océ and developed for this Océ machine. Materials not approved by Océ may cause damage to your machine.
- Do not use the machine if it is making unusual sounds. Remove the plug from the power outlet or turn off the switch in the fixed connection to the electrical system and contact Service.

Safety data sheets for the Océ 31x5E

The disclaimer below is valid for all safety datasheets in this manual.

Disclaimer The safety data sheets for the Océ 31x5E have been compiled as a compact guide to safe product handling and operation, and to the best of our knowledge contains the most complete and accurate information possible. We reserve the right to revise these safety data sheets as new information becomes available. It is the user's responsibility to determine the suitability of this information for the adoption of the appropriate safety precautions for his organization, and to contact Océ to make sure that he is in possession of the latest version of the sheets. If and insofar as limitation of liability is permitted under the applicable laws, we accept no liability for any inaccuracies that may occur in this information.

Safety data sheet Océ 3145 Digital Copier

Number Date Code 3145 DC Description Electrostatic digital copier, console model, plain paper, organic photoconductive belt, powder fore; automatic duplexing. Max. process speed 46 A4 copies/min or 23 A3 copies/min Dimensions Width Height 885 mm Yotage 120 V 206 V 220-240 V Frequency 60 Hz 60 Hz 60 Hz Current-hazted 15 A 9.8 A 9.2-8.8 A Current-hazted 16 A 9.8 A 9.2-8.8 A Power consumption, operation Power consumption, standby 200 W Cable with plug 1 I (EC 536) Protective earth connection 1 1 4 Protection class IP 20 (IEC 529) In operation: mainbody 72 dB(A); incl. optionals 60 dB(A); impulse AL = 5 dB(A) 3 Sound power level (a operator/Nystander position) 38 dB(A) mainbody 72 dB(A); incl. optionals 74 dB(A) Corpere level (a operator/Nystander position) Standby 560 W; in operation 200 W 0.001 mg/m 3 (0.0005 pm) Roin interference Readiation Readiation at continuous operation 0.01 mg/m 3 (0.0005 pm) Room wentil	HODUCT SAFETY DATA SH	EEI						ဝင
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Sound power level Radio interference Radiation Heat emission Standby 560 W; in opeation 2000 W Ozone emission Room volume Room ventilation Room ventilation Recommendation: min. 30 m ³ Room ventilation Recommendation: min. 30 m ³ / ₁ (natural ventilation) For heat veacuation extra ventilation may be necessary. Heat environment and ventilation as recommended Daily copy volume Room volume and ventilations: - Time weighted average - Time weighted average - Time weighted average - Time weighted average - Time weighted average for zone - Peak Consumables Cocé Copying Materials This appartus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information Listed according to standard UL 1950 and CANCSA-C22.2 No.950 Listed according to standard UL 1950 and CANCSA-C22.2 No.950	Sound pressure level (at operator/bystander position)	38 dB(A)			mai incl imn	nbody 59 dB(A); l. optionals 60 dB(A) ulse $\Delta L = 5 dB(A)$);	
Radio interference Radiation Complies with FCC rules and regulations, part 15 class A Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH) Standby 560 W ; in operation 2000 W 0,01 mg/min at continuous operation Room ventilation Recommendation: min. 30 m ³ Room ventilation Room ventilation Recommendation: min. 30 m ³ Room volume and ventilation as recommended Daily copy volume (much more than average) Set simulation at random operation Recommendation: min. 15 m ³ /h (natural ventilation) For heat vencuation exit aventilation as recommended Daily copy volume (much more than average) 7500 A4 7500 A4 Total worktime Copy volume (much more than average) Opposite Very Volume (much more than average) 0,001 mg/m ³ (0.0005 ppm) 0,003 mg/m ³ (0.0005 ppm) 0,003 mg/m ³ (0.0005 ppm) 0,004 mg/m ³ (0.0015 ppm) Consumables Océ Material Safety Data Sheet E-193) Océ F11 Toner (Océ Material Safety Data Sheet E-212) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The core Piter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m ³ (the life of the Piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 USTED MATE NET DEWENCEY ENDINGEN	Sound power level	49 dB(A)			mai	nbody 72 dB(A); in	cl. optiona	ls 74 dB(A)
Radiation Heat emission Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH) Standby 560 W; in operation 2000 W Room volume Room volumen Room volumetiation Recommendation: min. 30 m ³ Recommendation: min. 15 m ³ h (natural ventilation) For heat evacuation extra ventilation may be necessary. Room volume and ventilation as recommended Daily copy volume (much more than average) 7500 A4 Total worktime Ozone concentrations: - Time weighted average 0,001 mg/m ³ 0,003 mg/m ³ (0.0015 ppm) Consumables Océ Master (Oré Material Safety Data Sheet E-193) Océ Copying Materials Threis hold Limit Value/Occupational Exposure Limit (Time Weighted Average) for ozone 0,2 mg/m ³ 0,001 mg/m ³ (0,015 ppm) Consumables Océ Master (Oré Material Safety Data Sheet E-193) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The ozone Plet does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m ⁴ (bit eff to the Plet equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Lister ozerr INTER SATE	Radio interference	Complies with F	CC rules and re	gulatio	ons, part	15 class A		
Iterate insolution Distributy 500 W Ocone emission 0,01 mg/min at continuous operation Room volume Recommendation: min. 30 m ³ Room ventilation Becommendation: min. 15 m ³ h (natural ventilation) For heat evacuation extra ventilation may be necessary. Use simulation at random operation Recommendation: min. 15 m ³ h (natural ventilation) For heat evacuation extra ventilation may be necessary. Room volume and ventilation as recommended Daily copy volume (much more than average) 7500 A4 Ozone emission 0,01 mg/m ³ (0.0005 ppm) - Time weighted average 0,001 mg/m ³ (0.0005 ppm) - Peak - Time weighted average 0,001 mg/m ³ (0.0005 ppm) - Peak - Time weighted average 0,001 mg/m ³ (0.0005 ppm) - Peak - Time weighted average 0,001 mg/m ³ (0.0005 ppm) - Peak - Time weighted average 0,001 mg/m ³ (0.002 ppm) Consumables Océ Material Safety Data Sheet E-193) Océ Coe Material Safety Data Sheet E-212) Océ Cocé Copying Materials Coce Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The coane Piter does not have to be repl	Radiation	Below the Three	shold Limit Value	s for l	JV, Visible	e and IR radiation (TLV list of	ACGIH)
Room volume Room ventilation Recommendation: min. 30 m ³ Recommendation: min. 15 m ³ /h (natural ventilation) For heat evacuation extra ventilation may be necessary. Use simulation at random operation Recommendation: min. 15 m ³ /h (natural ventilation) For heat evacuation extra ventilation may be necessary. Room volume and ventilation as recommended Daily copy volume (much more than average) 7500 A4 total worktime Ozone concentrations: - Time weighted average 0.001 mg/m ³ 0.003 mg/m ³ (0.0005 ppm) 0.003 mg/m ³ - Peak Threshold Limit Value/Occupational Exposure Limit (Time Weighted Average) for ozone 0.003 mg/m ³ 0.0.2 mg/m ³ (0.01 ppm) 0.002 ppm) Consumables Océ Master (Océ Material Safety Data Sheet E-193) Océ T1 Toner (Océ Material Safety Data Sheet E-212) Océ Copying Materials This appartaus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The ozone Piter does not have to be replaced for keeping the ozone concentration in the workplace below 0.04 mg/m ³ (the life of the Piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Lister 0szrF INFERDIMENT NOMENTON INCOMMENTON INCOMINTION	Ozone emission	0.01 mg/min at	continuous opera	ation				
Room ventilation Recommendation: min. 15 m ³ /h (natural ventilation) For heat veacuation exits aventilation may be necessary. Use simulation at random operation Recommendation: min. 15 m ³ /h (natural ventilation) For heat veacuation exits aventilation may be necessary. 7500 A4 8 h Daily copy volume (much more than average) 7500 A4 8 h 0.0005 ppm) 0.003 mg/m ³ (0.0005 ppm) 0.003 mg/m ³ (0.0005 ppm) 0.003 mg/m ³ (0.0005 ppm) 0.004 mg/m ³ (0.0005 ppm) 0.004 mg/m ³ (0.0015 ppm) 0.004 mg/m ³ (0.0015 ppm) 0.004 mg/m ³ (0.002 ppm) 0.004 mg/m ³ (0.02 ppm) 0.	Room volume	Recommendation	on: min. 30 m ³					
Use simulation at random operation Hoom bilume and ventilation as recommended Daily copy volume (much more than average) 7500 A4 Daily copy volume (much more than average) 7500 A4 Ozone concentrations: - Time weighted average 0.001 mg/m ³ (0.0005 ppm) - Peak (much more than average) 0.003 mg/m ³ (0.0005 ppm) - Peak (much more than average) 0.003 mg/m ³ (0.0005 ppm) - Peak (much more than average) 0.003 mg/m ³ (0.0005 ppm) - Peak (much more than average) 0.003 mg/m ³ (0.0005 ppm) - Consumables Océ Material Safety Data Sheet E-193) Océ Copying Materials Océ Material Safety Data Sheet E-212) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The coare Piter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m ³ (the life of the Piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed out the operator operator is submeter to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m ³ (the life of the Piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed output the piter approximation in t	Room ventilation	Recommendation For heat evacuation	on: min. 15 m ³ /h ation extra ventila	(natur ation n	al ventilat nay be ne	tion) cessary.		
Consumables 0.001 mg/m ³ (0.0005 ppm) Oce Master (Oce Material Safety Data Sheet E-193) 0.001 mg/m ³ (0.0015 ppm) Consumables Oce Master (Oce Material Safety Data Sheet E-193) 0.04 mg/m ³ (0.02 ppm) Coce Copying Materials Oce Material Safety Data Sheet E-193) 0.04 mg/m ³ (0.02 ppm) Coce Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The cocne Piler does not have to be replaced for keeping the ozone concentration in the workplace below 0.04 mg/m ³ Users Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Users part USE DEFENSION Users Users It is point to the part of the piler optime to the part optime toptime to the part optime toptime to the part	operation	Daily copy volu Total worktime	me (much more t	han a	verage)	7500 A 8 h	4	
Additional safety information Threshold Limit Value/Occupational Exposure Limit (Time Weighted Average) for ozone 0.2 mg/m ³ 0.04 mg/m ³ 0.04 mg/m ³ (0.02 ppm) (0,1 ppm) (0,02 ppm) Consumables Océ Material Safety Data Sheet E-193) Océ En 11 Toner (Océ Material Safety Data Sheet E-212) Océ Copying Materials Océ Material Safety Data Sheet E-212) Océ Copying Materials Additional safety information The caparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The capare Piter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m ³ (the life of the Piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Image: Computer of the computer of the piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950		- Time weighted - Peak	l average			0,001 mg/r 0,003 mg/	n ³ ′m ³	(0.0005 ppm) (0.0015 ppm)
Consumables Océ Material Safety Data Sheet E-103) Océ F11 Torer (Océ Material Safety Data Sheet E-212) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The ozone Piler does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/ms (the life of the Piler equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950		(Time Weighted Odour Percepti	Value/Occupation Average) for oz on Limit for ozon	onal E. one e	kposure L	umit 0,2 mg/i 0,04 m	n ³ g/m ³	(0,1 ppm) (0,02 ppm)
Additional safety information The ozone Piter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m³ (the life of the Piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 L	Consumables	Océ Master (Oc Océ F11 Toner Océ Copying N This apparatus requirements of	é Material Safet (Océ Material S laterials is suitable for pro ENV 12281.	y Data Safety ocessi	Sheet E- Data She ng recycli	193) eet E-212) ng paper which coi	mplies with	n the
Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950	Additional safety information	The ozone Piter	r does not have t	o be re	eplaced fo	or keeping the ozor	ne concent apparatu	ration in the
CUUDUS LISTED 827F INFORMATION TECHNOLOGY E 69871	Lister	according to sta	ndard UL 1950 a	nd CA	N/CSA-C	22.2 No.950		-,-
				LIST	ED 927F			
) (U1)	INFO TEC EQL	DRMATION HNOLOGY IIPMENT			
		U U		E 69	871			

PRODUCT SAFETY DATA SHEET



Number E-705-a-US Date July 1999

Model	Océ 3145 NC					Digital	Access Contro	oller
Description Max. process speed	Electrostatic r powder toner, (Digital Acces 46 A4 prints/n	etwork copier automatic du s Controller). nin or 23 A3 p	, console m plexing, Oce rints/min	odel, pl § 3145	ain paper, orga NC (Network Co	nic photo opier) = (conductive bel Dcé 3145 + DA	t, C
Dimonsions Width	1622						206	mm
Dimensions Width Denth	885	mm					200	mm
Height	1280	mm					437	mm
Weight	413	ka					14.9	ka
weight .	410	Ng					14,5	Ng
Voltage	120	V	208	V	220-24	0 V	220-240	V
Frequency	60	HZ	60	HZ	0.00	JHZ	60	HZ
Current-rated	10	A	9,8	A	9,2-8,	5 A 4 A	0,5	A
Power consumption operation	2000	w	14	A		+ A	40	Ŵ
Power consumption, operation	2000	VV M					40	VV \\\\
Maine connection	Cable with plu	vv					32	vv
Safety class		(IEC 536) Pr	ntective ear	th conn	ection			
Brotaction class	10 20	(IEC 530) FIG	Siective ear	ui comi	ection			
	11 20	(120 323)						
0 I I I	Standby:			In	operation:	· · ·		
Sound pressure level	38 0B(A)			mi	andody 59 dB(/	4); ΗΒ(Λ)·		
position)				im	pulse $\Delta L = 5 d$	B(A)		
Sound power level	49 dB(A)			m	ainbody 72 dB(A): incl. o	ptionals 74 dB((A)
Radio interference	Complies with	FCC rules an	d regulation	ns. part	15 class A	.,,	,	,
Radiation	Below the Thr	eshold Limit V	alues for U	V. Visib	le and IR radiat	ion (TLV	list of ACGIH)	
Heat emission	Standby 560	W (controller 3	2 W); in op	eration	2000 W (contro	ller 40 W	n í	
Ozone emission	0,01 mg/min a	at continuous o	operation					
Boom volume	Becommenda	tion: min 30 r	m ³					
Boom ventilation	Recommenda	tion: min 15 r	n ³ /h (natura	al ventili	ation)			
	For heat evac	uation extra ve	entilation mat	av be n	ecessarv.			
Use simulation at random	Room volume	and ventilatio	n as recom	mende	d			
operation	Daily copy vol	lume (much m	ore than av	erage)	7500	A4		
	Total worktime	e			8	h		
	Uzone concer	ntrations:			0.001	ma/m3	(0.0005	
	- Time weight	eu average			0,001	mg/m ³	(0.0005	ppm
	Threshold Lin	nit Value/Occu	pational Ex	posure	Limit	ing/iii	(0.0010	ppin
	(Time Weight	ed Average) fo	or ozone		0,2	mg/m ³	(0,1	ppm
	Odour Percep	otion Limit for a	ozone		0,04	mg/m ³	(0,02	ppm
Consumables	Océ Master (0	Océ Material S	afety Data	Sheet E	-193)			
	Océ F11 Tone	er (Océ Materi	al Safety Da	ata She	et E-212)			
	Océ Copying	Materials						
	This apparatu	s is suitable fo	or processin	g recyc	ling paper whic	n complie	es with the	
	requirements	OF ENV 12281						
Additional safety information	The ozone Pli	er does not ha	ave to be re	placed	for keeping the	ozone co	oncentration in t	the
	workplace bel	ow 0,04 mg/m	r (the life of	the Pite	er equals that of	the appa	aratus).	
Lister	according to st	andard UL 19	50 and CAN	V/CSA-	C22.2 No.950			
	-		1,000	D 0075				
			LISTE	D 927F				
			INFO	RMATION				
	r l	UI J	IC EQUI	PMENT				
	U 1	• B 🖿 🖊	03					
	-			21				
	-		E 698	/1				
			E 698	/1				

Safety data sheet Océ 3145 Digital Copier

PRODUCT SAFETY DATA SHEET



Number E-720-b-US Date February 2001

Model	Océ 3145 DC	(machine n	umber > 30.000)					
Description	Electrostatic	digital co	pier, console	mode	el, plain pape	er, or	rganic phot	t oconduc tiv	e belt,
	powder tone	r, automat	ic dupl exing						
Max. process speed	46 A4 prints/	min or 23	A3 prints/mi	n					
Dimensions Width	1622	mm							
Depth	885	mm							
Height	1280	mm							
weight	413	кg							
Voltage	230	V	208	V		120	V		
Frequency	60	Hz	60	Hz		60	Hz		
Current-rated	7.5	A	8.9	A		10 5	A		
Current-max	13.0	A W	13.0	А		18.5	A		
Power consumption low-power	244	W (recov	erv time <10	s)					
Power consumption, stand by	380	W	380	Ŵ		380	W		
Power consumption, operation	1.8	kW	1.8	kW		1.8	kW		
Mains connection	Cable with p	lug							
Safety class	1	(IEC 536)	Protective e	earth c	connec tion				
Protection class	IP 20	(IEC 529)							
	Standby				In operation	1			
Sound pressure level	34 dB(A)				mainbody 5	6 dB	B(A);		
(at operator/bystander					incl. optiona	-3c	2 dB(A);		
Sound power level	45 dB(A)				mainbody 7	2 d B	A(A) incl c	ntionals 74	dB(A)
Radio interference	Complies wit	h Directiv	e 89/336/EE0	Cand	FCC rules ar	nd re	qulations.	part 15 Clas	s A.
Radiation	Below the Th	reshold L	imit Values f	or UV.	Visible and	IR ra	diation (TL	V list of AC	GIH)
Heat emission	Standby 380	W; in oper	ation 1.8 kV	/					,
Ozone emission	0,01 mg/min	at continu	ou s operatio	n					
Room volume	Recommend	ation: min	. 30 mĥ						
Room ventilation	Recommend	ation: min	. 15 milh (natu	ıral ve	entilation)				
	For heat eval	cuation ex	tra ventilatio	n may	/ be necessa	ry.			
operation	Daily copy ye	e and veni olume (mu	ch more tha	comm n aver	rade)	75	00 A4		
	Total worktin	1e			-9-)	6	3 h		
	Ozone conce	entrations:					a		
	- Time weigh	ted averag	le			0,001	1 mg/m	(0.0005	ppm)
	Threshold Lin	nit Value/O	ccupational E	xposu	ire Limit	,003	iiig/iii	(0.0013	ppin)
	(Time Weight	ed Average	e) for ozone			0,2	mg/m ³	(0,1	ppm)
	Odour Percep	otion Limit f	or ozone			0,04	mg/m ³	(0,02	ppm)
Consumables	Océ Master (OcéMateri	al Safety Da	ta She	et E-193)				
	Océ F11 Tone	er (OcéMa	terial Safety	Data	Sheet E-212)				
	This apparat	Materiais	ble for proce	nnieze	recycling p	aner	which con	nolies with t	he
	requirements	of ENV 12	2281.	Joanny	recycling pi	ирсі	without con	iprico with t	
Additional safety information	The ozone fil	ter does n	ot have to h	o roni:	aced for keer	aina	the ozone	concentratio	on in the
Additional safety information	workplace be	elow 0,04 r	ng/m (the life	of the	e filteroquals 1	that of	of the appa	tratus).	
Liste	d according to	standard	II 1950 and	CAN/	CSA-C22.2 N	0 95	0	,	
Listo	to		1000 and	27.1.47	CON OLLIE IN	5.00	-		
			LIS	STED 927	rF				
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	U U	T.	102						
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Copyright © 2000 Océ-Techno	logies B.V	Venio, NL							
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PRODUCT SAFETY DATA SHEET



			Numbe Date	er E-7 Febru	'21-b-US ary 2001
Model	Océ 3145 NC (machine number > 30.000)		Digital Ac	cess Cor	ntroller
Description	Electrostatic network copier, console model, plain powder toner, automatic dupl exing, Océ 3145 NC (N (Digit al Access Controller).	paper, Networl	organic photo k Copier) = Oo	conduct cé 3145 +	ive belt, DAC
Max. process speed	46 A4 prints/min or 23 A3 prints/min				
Dimensions Width Depth Height	1622 mm 885 mm 1280 mm			206 437 444	mm mm mm
Voltage	230 V 208 V 60 Hz 60 Hz	120	V Hz	115	V Hz
Current-rated Current-max	7.5 A 8.9 A 13.0 A 13.0 A	15 18.5	A	1.0 6.0	A A
Power consumption, stand by Power consumption, sleep mode	410 W 410 W 70 W (total system) 273 W (total system: recovery time <10 s)	410	W		
Power consumption, operation Mains connection Safety class Protection class	1.8 kW 1.8 kW Cable with plug 1 (IEC 536) Protective earth connection IP 20 (IEC 529)	1.8	кW		
Sound pressure level	Standby In operati 34 dB (A) mainbody	on 56 dB	(A);		
(at operator/bystander position) Sound power level	incl. optio impuls e 45 dB(A) mainbody	nals 62 L _i = 3 d 73 dB	2 dB(A); IB(A) (A):incl.opti	onals 74	dB(A)
Radio interference Radiation Heat emission	Complies with Directive 89/336/EEC and FCC rules Below the Threshold Limit Values for UV, Visible an Standby 410 W: in operation 1.8 kW	and re Id IR ra	gulations, par diation (TLV l	t 15 Clas st of AC	s A. GIH)
Ozone emission	0,01 mg/min at continuous operation				
Room volume Room ventilation	Recommendation: min. 30 Å Recommendation: min. 15 Åth (natural ventilation) For heat evacuation extra ventilation may be neces Room volume and ventilation as recommended	sary.			
operation	Daily copy volume (much more than average) Total worktime Ozone concentrations:	750 8	00 A4		
	- Time weighted average - Peak Threshold Limit Value/Occupational Exposure Limit	0,001 0,003	mg/m mg/m ³	(0.0005 (0.0015	ppm) ppm)
0	(1 ime Weighted Average) for ozone Odour Perception Limit for ozone	0,2 0,04	mg/m ³ mg/m ³	(0,1 (0,02	ppm) ppm)
Consumables	Océ F11 Toner (OcéMaterial Safety Data Sheet E-13) Océ F11 Toner (OcéMaterial Safety Data Sheet E-21 Océ CopyingMaterials This apparatus is suitable for processing recycling requirements of ENV 12281.	2) paper	which compli	es with t	he
Additional safety information	The ozone filter does not have to be replaced for ke workplace below 0,04 mg/m (the life of the filter qual	eping s that o	the ozone cor of the apparat	ncentratio us).	on in the
Lister	d according to standard UL 1950 and CAN/CSA-C22.2	No.95	0		
Copyright © 2000 Océ-Techno	logies B.V., Venlo, NL				

Safety data sheet Océ 3145E Digital Copier

RODUCT SAFETY DATA SHE	ET					ocẻ
			N	lumber late	E-7 Aug	'39-a-US Jus t 200
Model	Océ 3145E DC (machine number > 30.000)					
Description Max. process speed	Electrostatic digital copier, console model, plain pa powder toner, automatic duple xing. 46 A4 prints/min or 23 A3 prints/min	per, or	rganic pł	notocon	ductiv	e belt,
Dimensions Width Depth Height	1622 mm 885 mm 1280 mm 413 kg					
Voltage Frequency Current-rated	230 V 208 V 60 Hz 60 Hz 7.5 A 8.9 A	120 60 15	V Hz A			
Current-max Power consumption, sleep mode Power consumption, low-power Power consumption, stand by	13.0 A 13.0 A 5 W 236 W (recovery time <10 s) 380 W 380 W	18.5	A W			
Power consumption, operation Mains connection Safety class Protection class	1.8 kW 1.8 kW Cable with plug I (IEC 536) Protective earth connection IP 20 (IEC 529)	1.8	kW			
Sound pressure level (at operator/bystander position) Sound power level Radio interference Radiation Heat emission	Standby In operation 34 dB(A) mainbody incl.optic incl.optic 45 dB(A) mainbody 45 dB(A) mainbody 00 piles with Directive 89/336/EEC and FCC rules and Eleven the Threshold Limit Values for UV, Visible and IF Standby 380 W; in operation 1.8 kW 0.01 movies and endogram experiments 0.01 movies and endogram	n 56 dE nals 6 L _i = 3 d 73 dB(d regul radiat	B(A); 2 dB(A); dB(A) A); incl. c lations, pa ion (TLV	ptionals art 15 Cla list of AC	74 dBl ass A. GIH)	(A)
Jzone emission Room volume	0,01 mg/min at continuous operation Becommendation: min_30 m ³					
Room ventilation Use simulation at random operation	Recommendation: min. 15 m ³ /h (natural ventilation) For heat evacuation extra ventilation may be necessary Room volume and ventilation as recommended Daily copy volume (much more than average)	7500	A4			
	Total worktime Ozone concentrations: - Time weighted average - Peak	8 0,001 0.003	h mg/m ³ ma/m ³	(0 (0	.0005	ppm) ppm)
	Threshold Limit Value/Occupational Exposure Limit (Time Weighted Average) for ozone Odour Perception Limit for ozone	0,2 0,04	mg/m ³ mg/m ³	(1	(0,1 (0,02	ppm) ppm)
Consumables	Océ Master (Océ Material Safety Data Sheet E-193) Océ F11 Toner (Océ Material Safety Data Sheet E-212 Océ Copying Materials This apparatus is suitable for processing recycling pap requirements of ENV 12281.) er whic	h complie	es with th	e	
Additional safety information	The ozone filter does not have to be replaced for keepi workplace below 0,04 mg/m ³ (the life of the filter equal	ng the s that c	ozone co of the app	ncentrati aratus).	on in t	he
Lister	d according to standard UL 1950 and CAN/CSA-C22.2 No	0.950				
is safety data sheet has been compiled to th ormation becomes av allable. It is the used is corpary to make sure that this sheet succur acy that may occur in this inf ormation	e best of our knowledge as a com pact guide to saf e handling of this p responsibility to deter mine the suitability of this information for theodet the latest one issued. If and in sofar as limitation of liab iit y is permitt	odenserWe apleity pre Indouapipei	weathne right to cautions as icable laws,	revise saf may be ne we do not	ety data s cessar y ac cept	shee ts as and to co liab ili ty fo
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The content of this safety data sheet is subject to the disclaimer of liability on page 57 of this manual.

PRODUCT SAFETY DATA SHEET



E-740-a-US Number Date August 2001 Model Océ 3145E NC (machine number > 30.000) Digital Access Controller Description Electrostatic network copier, console model, plain paper, organic photoconductive belt, powder toner, automatic duplexing, Océ 3145E NC (Network Copier) = Océ 3145E DC + DAC (Digital Access Controller). Max. process speed 46 A4 prints/min or 23 A3 prints/min Dimensions Width 1622 mm 206 mm 885 mm 437 mm Depth Height 1280 mm 444 mm Weight 413 kg 14.9 kg Voltage 230 V 208 V 120 V 115 V 60 Hz Frequency 60 Hz 60 Hz 60 Hz Current-rated 7.5 A 8.9 A 15 A 1.0 A Current-max 130 A 130 A 18.5 A 410 W 60 4 Power consumption, stand by 410 W 410 W Power consumption, sleep mode 70 W (total system) Power consumption, low-pow 264 W (total system; recovery time <10 s) 1.8 kW 1.8 kW Power consumption, operation .8 kW 1 Mains connection Cable with plug (IEC 536) Protective earth connection Safety class Protection class . IP 20 (IEC 529) Standby 34 dB(A) In operation mainbody 56 dB(A); ind pressure level (at operator/bystander position) Sound power level incl. optionals 62 dB(A); impulse $L_i = 3 dB(A)$ mainbody 73 dB(A); incl. optionals 74 dB(A) 45 dB(A) Radio interference Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A Radiation Below the Threshold Limit Values for UV. Visible and IB radiation (TLV list of ACGIH) Heat emission Standby 410 W; in operation 1.8 kW Ozone emission 0,01 mg/min at continuous operation Room volume Recommendation: min. 30 m³ Recommendation: min. 15 m³/h (natural ventilation) For heat evacuation extra ventilation may be necessary. Room ventilation Use simulation at random operation Room volume and ventilation as recommended Daily copy volume (much more than average) 7500 A4 Total worktime 8 h Ozone concentrations: - Time weighted average 0,001 mg/m³ 0,003 mg/m³ (0.0005 ppm) (0.0015 ppm) Peak Threshold Limit Value/Occupational Exposure Limit (Time Weighted Average) for ozone Odour Perception Limit for ozone 0,2 mg/m³ 0,04 mg/m³ (0,1 ppm) (0,02 ppm) Océ Master (Océ Material Safety Data Sheet E-193) Océ F11 Toner (Océ Material Safety Data Sheet E-212) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Consumables Additional safety information The ozone filter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m³ (the life of the filter equals that of the apparatus). Listed according to standard LIL 1950 and CAN/CSA-C22 2 No 950 LISTED 927E US This safety data sheet has been compiled to the best of our knowledge as a compact guide to safe handling of this product. We reserve the right to revise safety data sheets as ne information becomes available. It is the user's res ibility to dete he the suitability of this information for the adoption of safety precautions as may be necessary and to contact the company to make sure that this sheet is the latest one issued. If and in sofar as limitation of liability is permitted under the applicable laws, we do not accept liability for any racy that may occur in this inform Copyright © 2001 Océ-Technologies B.V., Venlo, NL

Safety data sheet Océ 3155 Digital Copier

	Number E-689-b Date March 1:
Model	Océ 3155 DC
Description Max. process speed	Electrostatic digital copier, console model, plain paper, organic photoconductive belt, powder toner, automatic duplexing. 52 A4 copies/min or 25 A3 copies/min
Dimensions Width Depth Height	1622 mm 885 mm 1280 mm
Weight	413 kg
Voltage	120 V 208 V 220-240 V
Frequency	60 Hz 60 Hz 60 Hz
Current-rated Current-max	16 A 9,8 A 9,2-8,8 A 20 A 14 A 14 A
EPA ENERGY STAR	
Power consumption, auto-or Power consumption, operat	ion 2000 W
Power consumption, standb	v 560 W
Mains connection	Cable with plug
Safety class	I (IEC 536) Protective earth connection
Protection class	IP 20 (IEC 529)
0 1 1 11	Standby: In operation:
Sound pressure level	38 dB(A) mainbody 59 dB(A); incl. ontionals 60 dB(A);
position)	impulse $\Delta L_i = 5 \text{ dB}(A)$
Sound power level	49 dB(A) mainbody 72 dB(A); incl. optionals 74 dB(A)
Radio interference	Complies with FCC rules and regulations, part 15 class A
Hadiation	Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH) Standby 560 W : in operation 2000 W
Ozone emission	0.01 mg/min at continuous operation
Room volume	Recommendation: min. 30 m ³
Room ventilation	Recommendation: min. 15 m ³ /h (natural ventilation)
	For heat evacuation extra ventilation may be necessary.
Use simulation at random	Room volume and ventilation as recommended Daily conv volume (much more than average) 7500 A4
operation	Total worktime 8 h
	Ozone concentrations:
	- Time weighted average 0,001 mg/m ^o (0.0005 ppm - Peak 0.003 mg/m ³ (0.0015 ppm
	Threshold Limit Value/Occupational Exposure Limit
	(Time Weighted Average) for ozone 0,2 mg/m ³ (0,1 ppm) Odour Paraption Limit for grapp
Consumables	Cocid recreases and the second recreases and t
	The azone biter does not have to be replaced for keeping the azone concentration in the
Additional safety informatio	
Additional safety informatio	workplace below 0,04 mg/m ³ (the life of the Plter equals that of the apparatus).
Additional safety informatio	workplace below 0,04 mg/m ³ (the life of the Piter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERGY STAR [®]
Additional safety informatio	workplace below 0,04 mg/m ³ (the life of the Piter equals that of the appaatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERGY STAR
Additional safety informatio	workplace below 0,04 mg/m³ (the life of the Piter equals that of the appaatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERgy STAR [®] ListeD 927F INFORMATION INFORMATION INFORMATION
Additional safety informatio	workplace below 0.04 mg/m ³ (the life of the Piter equals that of the appaatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERgy STAR [®]
Additional safety informatio	workplace below 0,04 mg/m ³ (the life of the Piter equals that of the appaatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERGY STAR ⁻ LISTED 927F LISTED 927F INFORMATION TECHNOLOGY E 98971

PRODUCT SAFETY DATA SHEET



Number E-Date M

E-690-	b-US
March	1999

Model	Oc 3155 NC						Digital A	ccess Contril	er		
Description	Electrostatic n powder toner, (Digital Acces	etwork co automatic s Controlle	pier, console m duplexing, Océ er).	odel, p 3155	olain paper NC (Netw	, orgar ork Co	nic photo pier) = C	conductive bel 0cé 3155 + DA	t, C		
Max. process speed	52 A4 prints/m	nin or 25 A	3 prints/min								
Dimensions Width	1622	mm						206	mm		
Depth	885	mm						437	mm		
Height	1280	mm						444	mm		
Weight	413	kg						14,9	kg		
Voltage	120	V	208	V	2	20-240) V	220-240	V		
Frequency	60	Hz	60	Hz		60) Hz	60	Hz		
Current-rated	16	A	9,8	Α		9,2-8,8	3 A	0,5	Α		
Current-max	20	A	14	А		14	1 A	3	А		
EPA ENERGY STAR											
* Power consumption, auto-off	48,7	W									
Power consumption, operation	2000	W						40	W		
Power consumption, stanglo	560	W						32	W		
Mains connection	Cable with plu	g									
Salety dass	I ID 00	(IEC 536	Protective ear	in con	nection						
Protection cass	IP 20	(IEC 529)								
Sound pressure leel (at operator/lystander position)	Standby: 38 dB(A)			In rr ir ir	operation nainbody 5 ncl. optiona npulse Δ L	1: 9 dB(A ils 60 d i = 5 dl	N); dB(A); B(A)				
Sound pover level	49 dB(A) mainbody 72 dB(A); incl. optionals 74 dB(A)										
Radio interérence	Complies with	FCC rule	s and regulatior	ns, par	t 15 class	A					
Radiation	Below the Thr	eshold Lin	nit Values for UV	V, Visit	ole and IR	radiatio	on (TLV I	ist of ACGIH)			
Heat emission	Standby 560 V	V (controll	er 32 W); in ope	eration	1 2000 W (control	ler 40 W)			
Ozone emission	0,01 mg/min a	t continuo	us operation								
Room volume Room ventilation	Recommenda Recommenda	tion: min. tion: min.	30 m ³ 15 m ³ /h (natura a ventilation ma	l venti	lation)						
Use simulation at random operation	Room volume Daily copy vol Total worktime Ozone concert - Time weight Threshold Lim (Time Weighte Odour Percep	and ventil ume (muc entrations: ed average nit Value/C ed Average tion Limit	a veniation na lation as recomi h more than ave e ccupational Exp e) for ozone for ozone	mende erage) posure	Limit	7500 8 0,001 0,003 <i>0,2</i> <i>0,04</i>	A4 h mg/m ³ mg/m ³ mg/m ³	(0.0005 (0.0015 <i>(0,1</i> <i>(0,2</i>)	ppm) ppm) <i>ppm,</i> ppm,		
Consumalies	Océ Master (C Océ F11 Tone Océ Copying I This apparatus requirements	Dcé Materi r (Océ Ma Materials s is suitab of ENV 12	al Safety Data s terial Safety Da le for processin 281.	Sheet ita She g recy	E-193) eet E-212) cling paper	which	1 complie	s with the			
Additional safty information	The ozone Plt workplace bel	er does no ow 0,04 m	ot have to be rep g/m ³ (the life of	laced the P	for keeping	g the o that of	zone cor f the app	ncentration in t aratus).	he		
Lister	according to st	andard UL	1950 and CAN	I/CSA	-C22.2 No.	950	E	EPA ENERGY STAI	۹.		
			LISTE	D 927F							
	r	ŰIJ		RMATION NOLOGY PMENT	N Y		/	n mark	Ś		
	υl		UU E 698	71			-	energy	1		
amuriante @ 1000 Océ Technol	ogios B V Vo										

Safety data sheet Océ 3155 Digital Copier

PRODUCT SAFETY DATA SHEET



Number E-722-b-US Date February 2001

Model	Océ 3155 DC (machine number > 30.000)	
Description	Electrostatic digital copier, console model, plain paper, organic photoconductive belt, powder toner, automatic duplexing.	
Max. process speed	52 A4 prints/min or 25 A3 prints/min	
Dimensions Width Depth	1622 mm 885 mm	
Weight	413 kg	
Voltage	230 V 208 V 120 V	
Frequency	60 Hz 60 Hz 60 Hz	
Current-rated	7.5 A 8.9 A 15 A	
Current-max	13.0 A 13.0 A 18.5 A	
Power consumption, stand by	380 W 380 W 380 W	
Power consumption, low-power	244 W (recovery time <10 s)	
	1.0 KVV 1.0 KVV 1.0 KVV	
* Dowor consumption auto off	5 W	
Mains connection	Cable with plug	
Safety class	(IEC 536) Protective earth connection	
Protection class	IP 20 (IEC 529)	
	·····	
Sound pressure level (at operator/bystander position)	Standby in operation 34 dB(A) mainbody 56 dB(A); incl. optionals 62 dB(A); impulse L ₁ = 3 dB(A)	
Sound power level	45 dB(A) mainbody 73 dB(A); incl. optionals 74 dB	(A)
Radio interference	Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A.	
Radiation	Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH)	
Heat emission	Standby 380 W; in operation 1,8 kW	
Ozone emission	0,01 mg/min at continuous operation	
Room volume	Recommendation: min. 30 m ³	
Room ventilation	Recommendation: min. 15 m ³ /h (natural ventilation) For heat evacuation extra ventilation may be necessary.	
Use simulation at random operation	Hoom volume and ventilation as recommended Daily copy volume (much more than average) 7500 A4 Total worktime 8 h	
	Ozone concentrations: Time weighted average Peak O,001 mg/m ³ (0.0005 These hold I init Mote Quaractional Evanaguary Limit	ppm) ppm)
	(Time Weighted Average) for ozone 0,2 mg/m ³ (0,1 Odour Perception Limit for ozone 0,04 mg/m ³ (0,02	ppm) ppm)
Consumables	Océ Master (Océ Material Safety Data Sheet E-193) Océ F11 Toner (Océ Material Safety Data Sheet E-212) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281.	
Additional safety information	The ozone filter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m ³ (the life of the filter equals that of the apparatus).	he
Lister	d according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERGY STAR®	
	CUL US	
Convright © 2000 Océ-Techno	ologies B.V. Venlo. NL	

PRODUCT SAFETY DATA SHEET



Number E-723-b-US Date February 2001 Model Océ 3155 NC (machine number > 30.000) **Digital Access Controller** Description Electrostatic network copier, console model, plain paper, organic photoconductive belt, powder toner, automatic duplexing, Océ 3155 NC (Network Copier) = Océ 3155 + DAC (Digital Access Controller). Max, process speed 52 A4 prints/min or 25 A3 prints/min Dimensions Width 1622 mm 206 mm Depth 885 mm 437 mm Height 1280 mm 444 mm Weight 413 kg 14.9 kg Voltage 230 V 208 V 120 V 115 V Frequency 60 Hz 60 Hz 60 Hz 60 Hz Current-rated 7.5 A 8.9 A 15 A 1,0 A 6.0 A Current-max 13.0 A 13.0 Α 18.5 A Power consumption, stand by 410 W 410 W 410 W Power consumption, low-po 273 W (total system; recovery time <10 s) Power consumption, operation 1.8 kW 1.8 kW 1.8 kW EPA ENERGY STAR® * Power consumption, sleep mode 70 W (total system) Mains connection Cable with plug Safety class (IEC 536) Protective earth connection Protection class IP 20 (IEC 529) Standby In operation Sound pressure level (at operator/bystander position) 34 dB(A) mainbody 56 dB(A) incl. optionals 62 dB(A); impulse $L_i = 3 dB(A)$ mainbody 73 dB(A); incl. optionals 74 dB(A) Sound power level 45 dB(A) Radio interference Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A. Below the Threshold Limit Values for UV. Visible and IR radiation (TLV list of ACGIH) Radiation Heat emission Standby 410 W; in operation 1.8 kW Ozone emission 0,01 mg/min at continuous operation Room volume Recommendation: min. 30 m³ Recommendation: min. 15 m³/h (natural ventilation) Room ventilation For heat evacuation extra ventilation may be necessary Use simulation at random Boom volume and ventilation as recommended operation 7500 A4 Daily copy volume (much more than average) Total worktime 8 h Ozone concentrations: (0.0005 ppm) (0.0015 ppm) - Time weighted average 0,001 mg/m³ Peak 0,003 mg/m³ Threshold Limit Value/Occupational Exposure Limit (Time Weighted Average) for ozone Odour Perception Limit for ozone 0,2 mg/m³ (0,1 ppm) (0,02 ppm) 0,04 mg/m³ Consumables Océ Master (Océ Material Safety Data Sheet E-193) Océ F11 Toner (Océ Material Safety Data Sheet E-212) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. Additional safety information The ozone filter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m³ (the life of the filter equals that of the apparatus). Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERGY STAR® LISTED 927F US Copyright © 2000 Océ-Technologies B.V., Venlo, NL

Safety data sheet Océ 3165 Digital Copier

PRODUCT SAFETY DATA SHE	ET	océ
		Number E-683-b-U Date March 199
Model	Océ 3165 DC	
Description Max. process speed	Electrostatic digital copier, console model, plain paper, organic phot powder toner, automatic duplexing. 62 A4 copies/min or 30 A3 copies/min	oconductive belt,
Dimensions Width Depth Height	1622 mm 885 mm 1280 mm	
Weight Voltage Frequency Current-rated	413 kg 120 V 208 V 220-240 V 60 Hz 60 Hz 60 Hz 16 A 9.8 A 9.2-88 A	<u>.</u>
Current-max EPA ENERGY STAR * Power consumption, auto-off Power consumption, operation Power consumption, standby Mains connection	20 A 14 A 14 A 19,2 W 2000 W 560 W Cable with plug	
Safety class Protection class	I (IEC 536) Protective earth connection IP 20 (IEC 529)	
Sound pressure level (at operator/bystander position) Sound power level	Standby: In Operation 38 dB(A) mainbady 59 dB(A); incl. optionals 60 dB(A) impulse Δ L = 5 dB(A) 49 dB(A) mainbady 72 dB(A);	;
Radio interference Radiation Heat emission	Complies with FCC rules and regulations, part 15 class A Below the Threshold Limit Values for UV, Visible and IR radiation (T Standby 560 W ; in operation 2000 W	LV list of ACGIH)
Ozone emission	0,01 mg/min at continuous operation	
Room volume Room ventilation	Recommendation: min. 30 m ³ Recommendation: min. 15 m ³ /h (natural ventilation) For heat evacuation extra ventilation may be necessary.	
Use simulation at random operation	Room volume and ventilation as recommended Daily copy volume (much more than average) 7500 A4 Total worktime 8 N Ozone concentrations: 9 No11 mg/n - Time weighted average 0.001 mg/n N03 mg/n Threshold Limit Value/Occupational Exposure Limit (Time Weighted Average) for ozone 0.2 mg/n	n ³ (0.0005 ppm) n ³ (0.0015 ppm) m ³ (0.1 ppm)
Consumables	Odour Perception Limit for azone 0,04 mg/n Océ Master (Océ Material Safety Data Sheet E-193) 006 F11 Toner (Océ Material Safety Data Sheet E-212) 0cé Copying Materials This apparatus is suitable for processing recycling paper which com This apparatus is suitable for processing recycling paper which com	n ³ (0,02 ppm)
Additional safety information	requirements of ENV 12281. The ozone Piter does not have to be replaced for keeping the ozone workplace below 0.04 mg/m ³ (the life of the Piter equals that of the	concentration in the
Lister	according to standard UL 1950 and CANCSA-C22.2 No.950	energy
Copyright © 1998 Océ-Techno	logies B.V., Venlo, NL	

Safety data sheet Océ 3165 Network Copier

PRODUCT SAFETY DATA SHEET



Number E-666-c-US Date March 1999

Model	Océ 3165 NC					Digital A	ccess Contro	oller
Description	Electrostatic r powder toner, (Digital Acces	etwork cop automatic s Controlle	pier, console m duplexing, Oce r).	odel, pla è 3165 N	ain paper, organ IC (Network Co	nic photoc opier) = O	conductive belt cé 3165 + DA0	t, D
Max. process speed	62 A4 prints/n	nin or 30 A	3 prints/min					
Dimensions Width Depth Height	1622 885 1280	mm mm mm					206 437 444	mm mm mm
Weight	413	Ky V			000.04	0.1/	14,9	Ky V
Voltage Frequency Current-rated Current-max	120 60 16 20	V Hz A A	208 60 9,8 14	V Hz A A	220-240 60 9,2-8,8 14	0 V 0 Hz 8 A 4 A	220-240 60 0,5 3	V Hz A A
EPA ENERGY STAR" * Power consumption, auto-off Power consumption, operation Power consumption, standby	48,7 2000 560	W W W					40 32	w w
Safety class Protection class	I IP 20	(IEC 536) (IEC 529)	Protective ear	th conne	ection			
Sound pressure level (at operator/bystander position) Sound power level Radio interference Radiation Heat emission Ozone emission	Standby: 38 dB(A) 49 dB(A) Complies with Below the Thr Standby 560 V 0,01 mg/min a	FCC rules eshold Lim N (controlle at continuo	and regulation it Values for U er 32 W); in op us operation	In c ma incl imp ma s, part V, Visible eration 2	operation: inbody 59 dB(A l. optionals 60 o pulse Δ L _i = 5 d inbody 72 dB(A 15 class A e and IR radiatii 2000 W (control	Α); dB(A); B(A) Α); incl. op on (TLV li: ller 40 W)	tionals 74 dB(st of ACGIH)	(A)
Room volume Room ventilation Use simulation at random operation	Recommenda Recommenda For heat evac Room volume Daily copy vol Total worktime Ozone concer - Time weight - Peak Threshold Lin (Time Weight Odour Percep	tion: min. 3 tition: min. 1 uation extra and ventila ume (much trations: ed average nit Value/Od ed Average tition Limit fo	80 m ³ 5 m ³ /h (natura a ventilation ma ation as recom n more than ave ccupational Ex, b) for ozone pr ozone	Il ventila ay be ne mended erage) <i>posure L</i>	tion) cessary. 7500 8 0,001 0,003 .imit 0,2 0,04	A4 h mg/m ³ mg/m ³ mg/m ³	(0.0005 (0.0015 (0,1 (0,02	ppm) ppm) ppm) ppm)
Consumables	Océ Master (C Océ F11 Tone Océ Copying This apparatu requirements	Dcé Materia er (Océ Mat Materials s is suitable of ENV 122	al Safety Data erial Safety Da e for processin 281.	Sheet E- ata Shee g recycli	-193) et E-212) ing paper which	n complies	s with the	
Additional safety information	The ozone Plt workplace bel	er does no ow 0,04 m	t have to be rep g/m ³ (the life of	blaced for f the Pite	or keeping the c er equals that o	zone con f the appa	centration in t atus).	he
Listed	according to st		1950 and CAN	V/CSA-C ED 927F RMATION INOLOGY PMENT 71	22.2 No.950	4	PA ENERGY STAL	<u>}</u>

Safety data sheet Océ 3165 Digital Copier

PRODUCT SAFETY DATA SHEET



Number E-724-b-US Date February 2001

Model	Océ 3165 DC (machine number > 30.000)
Description Max. process speed	Electrostatic digital copier, console model, plain paper, organic photoconductive belt, powder toner, automatic duplexing. 62 A4 prints/min or 30 A5 prints/min
Dimensions Width Depth	1622 mm 885 mm 1390 mm
Weight	413 kg
Voltage Frequency Current-rated Current-max Power consumption, stand by	230 V 208 V 120 V 60 Hz 60 Hz 60 Hz 7.5 A 8.9 A 15 A 13.0 A 13.0 A 18.5 A 380 W 380 W 380 W
EPA ENERGY STAR ® * Power consumption, auto off * Power consumption, low-power Mains connection	5 W 244 W (recovery time <10 s) Cable with lolu
Safety class Protection class	I (IEC 536) Protective earth connection IP 20 (IEC 529)
Sound pressure level (at operator/bystander position) Sound power level Radio interference Radiation Heat emission	Standby In operation 34 dB(A) mainbody 56 dB(A); incl. optionals 62 dB(A); incl. optionals 62 dB(A); incl. optionals 62 dB(A); incl. optionals 62 dB(A); incl. optionals 74 dB(A) 45 dB(A) mainbody 73 dB(A); incl. optionals 74 dB(A) Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A. Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH) Standby 380 W; in operation 1.8 kW Q.01 mpdime d continuer operation
Boom volume	Recommendation: min 20 m ³
Room ventilation Use simulation at random operation	Recommendation: min. 15 m ³ /h (natural ventilation) For heat evacuation extra ventilation may be necessary. Room volume and ventilation as recommended Daily copy volume (much more than average) Total worktime Peak - Freak Time weighted average - Reak (0.0005 ppm) - Peak (0.0015 ppm) - Peak (0.0015 ppm) - Peak (0.0015 ppm) (0.0015 ppm) (0.002 ppm) (0.0015 ppm) (0.002 ppm) (0.0015 ppm) (0.0015 ppm) (0.0015 ppm) (0.0015 ppm) (0.0015 ppm) (0.002 ppm)
Consumables	Océ Master (Océ Material Safety Data Sheet E-193) Océ F11 Toner (Océ Material Safety Data Sheet E-212) Océ Coying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281.
Additional safety information	The ozone filter does not have to be replaced for keeping the ozone concentration in the workplace below 0,04 mg/m ³ (the life of the filter equals that of the apparatus).
Lister	J according to standard UL 1950 and CAN/CSA-C22.2 No.950 EPA ENERGY STAR®

Safety data sheet Océ 3165 Network Copier

PRODUCT SAFETY DATA SHEET



	0 (0405 NG										
Model	Oce 3165 NC	; (machine r	number > 30.000)				Digita	Access (Cor	trolle	
Description	Electrostatic r powder toner, (Digital Acces	network co , automations Controll	pier, console c duplexing, O er).	model, cé 3165	plain paper, 5 NC (Netwo	orga ork C	nic photoco opier) = Oc	é 3165 + E	DAC	Ś	
Max. process speed	62 A4 prints/r	nin or 30 A	A3 prints/min								
Dimensions Width	1622	mm						20)6	mm	
Depth	885	mm						43	37	mm	
Height	1280	mm						44	14	mm	
Weight	413	kg						14	.9	kg	
Voltage	230	V	208	v		120	V	1	15	V	
Frequency	60	Hz	60	Hz		60	Hz	(50	Hz	
Current-rated	7.5	A	8.9	A		15	A	1	.0	A	
Current-max	13.0	A	13.0	A		18.5	A W	0	.0	А	
Power consumption, stand by	18	kW	18	kW		1.8	kW				
EPA ENERGY STAR ®											
Power consumption, sleep mode	70	W (total s	system)								
* Power consumption, low-power	273	W (total s	system; recove	ery time	e <10 s)						
Mains connection	Cable with plu	Jg									
Safety class		(IEC 536	 Protective ea 	arth cor	nnection						
Protection class	IP 20	(IEC 529)								
	Standby In operation										
Sound pressure level	34 dB(A) mainbody 56 dB(A);										
osition)	incl. optionals 62 dB(A); impulse $L_i = 3 dB(A)$										
Sound power level	45 dB(A)			r	mainbody 7	3 dB(A); incl. opt	ionals 74	dΒ(A)	
Radio interference	Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A.										
Radiation	Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH)										
Heat emission	Standby 410 W; in operation 1.8 kW										
Ozone emission	0,01 mg/min a	at continuo	ous operation								
Room volume	Recommenda	ation: min.	30 m ³								
Room ventilation	Recommenda For heat evac	tion: min. uation ext	15 m [°] /h (natu ra ventilation r	ral vent nay be	tilation) necessary.						
Ose simulation at random	Daily copy yo	and venti	the more than a	nmena	ed	7500	A4				
	Total worktime	e			,	8	h				
	Ozone conce	ntrations:					, 3	(0.00			
	- Time weight	ed averag	e		0	0.001	mg/m ^o mg/m ³	(0.00	15	ppm)	
	Threshold Lin	nit Value/C	Occupational E	xposur	e Limit	,000	iiig/iii	(0.00	10	ppin,	
	(Time Weight	ed Averag	e) for ozone	1		0,2	mg/m ³	(0	,1	ppm,	
	Odour Percep	otion Limit	for ozone			0,04	mg/m ³	(0,)2	ppm,	
Consumables	Océ Master (Océ Mater	ial Safety Data	a Sheet	E-193)						
Concumusico	Océ F11 Toner (Océ Material Safety Data Sheet E-212)										
	Oce Copying Materials This apparatus is suitable for processing recycling paper which complies with the										
	This apparatu	is is suitab	ble for process	ina recv							
	This apparatu requirements	us is suitab of ENV 12	e for process 2281.	ing recy	·				n tł	ne	
Additional safety information	This apparatu requirements The ozone filt	of ENV 12 of ENV 12 er does no	ble for process 2281. ot have to be r	eplaced	d for keeping	g the	ozone cono	centration i			
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Safety data sheet Océ 3165E Digital Copier

RODUCT SAFETY DATA SHE	ET										océ
									Number Date	E-T Aug	743-a-U just 200
Model	Océ 3165E D	C (mach	ine numbe	r > 30.00	0)						
Description	Electrostatic o powder toner, 62 A4 prints/n	digital co automa	pier, con tic duple	sole mo king.	odel, p	olain paper, or	gani	ic photo	conducti	ve belt,	
Dimensions Width	1622 1622		AS prim	.3/11111							
Depth	885	mm									
Height	1280	mm									
Weight	413	kg									
Voltage	230	V		208	V		120	V.			
Frequency Current roted	60	HZ		60	HZ		15	HZ			
Current-max	7.5	Å		13.0	A A	-	10	A			
Power consumption, stand by	380	ŵ		380	ŵ		380	ŵ			
Power consumption, operation	1.8	kW	1	.8	kW		1.8	kW			
EPA ENERGY STAR ®											
* Power consumption, auto off	5	W									
* Power consumption, low-power	236	W (rec	overy tim	e <10 s)						
Mains connection	Cable with plu	ig (IEO E									
Safety class	1 18 20	(IEC 5	36) Prote	ctive ea	rtn co	onnection					
Flotection class	IF 20	(IEC 5.	29)								
Sound pressure level	Standby 34 dB(A)					In operation	dB	(A)-			
(at operator/bystander	04 UD(A)					incl. optionals	s 62	dB(A):			
position)						impulse L _i	= 3 (dB(À)			
Sound power level	45 dB(A)					mainbody 73	dB((A); incl	. optional	s 74 dB	(A)
Radio interference	Complies with	Directi	/e 89/336	6/EEC a	nd FO	CC rules and r	egu	lations,	part 15 0	Class A.	
Hadiation	Standby 2801	V: in on	crotion 1	Ies for u	JV, VI	sible and IR ra	alai	tion (IL	V list of P	CGIH)	
Ozone emission	0.01 mg/min a	at contin	LIQUES ODE	eration							
Boom volume	Recommenda	tion: mi	n 30 m ³								
Room ventilation	Recommenda For heat evac	tion: mi uation e	n. 15 m ³ / xtra vent	h (natu lation n	ral ver nay be	ntilation) e necessary.					
Use simulation at random operation	Room volume Daily copy vol Total worktime	and ve ume (m	ntilation a uch more	than a	nmen verag	ded e) 7	500 8	A4 h			
	- Time weight	ntrations ed avera	i: age			0,	001	mg/m	3	0.0005	ppm)
	- Peak Threshold I in	nit Value	/Occupa	tional F	xnosi	ure Limit	003	mg/m	-	0.0015	ppm)
	(Time Weight	ed Avera	age) for c	zone			0,2	mg/m	3	(0,1	ppm)
	Odour Percep	otion Lin	nit for ozo	ne		(0,04	mg/m	ja K	(0,02	ppm)
Consumables	Océ Master (Océ F11 Tone Océ Copying This apparatu requirements	Océ Mat er (Océ I Material is is suit of ENV	erial Safe Material S s able for p 12281.	ety Data Safety E rocessi	a Shee ata S ng ree	et E-193) iheet E-212) cycling paper	whic	ch comp	olies with	the	
Additional safety information	The ozone filt	er does	not have	to be re	eplace	ed for keeping	the	ozone	concentra	ation in t	he
Listor	workplace bei	ondord	1050				1011				
Lister	according to st	andard	UL 1950	and CA	11/03	A-022.2 N0.9	50	-	PA ENERG	Y STAH @	
		U	٦.		TED 927	7F		6		\searrow	~
	L L	B		12					nerg		<u> </u>
his safety data sheet has been compiled to the b	best of our knowledge	as a comp ne the suit:	act guide to	safe han	fling of	this product. We re e adoption of safet	serve / pred	the right cautions a	to revise saf s may be ne	ety data sh cessary ar	ieets as ni nd to conta
e company to make sure that this sheet is the accuracy that may occur in this information.	latest one issued. If	and in sofe	ır as limitati	on of liabi	ity is pe	ermitted under the	appli	cable laws	s, we do not	accept lia	bility for a
Safety data sheet Océ 3165E Network Copier

PRODUCT SAFETY DATA SHEET



Number E-744-a-US Date August 2001 Model Océ 3165E NC (machine number > 30.000) **Digital Access Controller** Electrostatic network copier, console model, plain paper, organic photoconductive belt, powder tomer, automatic duplexing, Océ 3165E NC (Network Copier) = Océ 3165E DC + DAC (Digital Access Controller). Description Max. process speed 62 A4 prints/min or 30 A3 prints/min Dimensions Width 1622 mm 206 mm Depth Height 885 mm 437 mm 1280 mm 444 mm 413 kg 14.9 kg Weight Voltage 230 V 208 V 120 V 115 V 60 Hz 60 Hz 60 Hz 60 Hz Frequency Current-rated 7.5 A 8.9 A 15 A 1.0 A 13.0 A 410 W 13.0 A 410 W Current-max 18.5 A 6.0 A Power consumption. stand by 410 W Power consumption, operation 1.8 kW 1 .8 kW 1.8 kW EPA ENERGY STAR® * Power consumption, sleep mode 70 W (total system) * Power consumption, low-power 264 W (total system; recovery time <10 s) Mains connection Cable with plug Safety class Protection class (IEC 536) Protective earth connection . IP 20 (IEC 529) In operation mainbody 56 dB(A); incl. optionals 62 dB(A); impulse $L_i = 3 dB(A)$ Standby 34 dB(A) Sound pressure level (at operator/bystander position) Sound power level 45 dB(A) mainbody 73 dB(A); incl. optionals 74 dB(A) Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A. Radio interference Below the Threshold Limit Values for UV. Visible and IR radiation (TLV list of ACGIH) Radiation Heat emission Standby 410 W; in operation 1.8 kW Ozone emission 0,01 mg/min at continuous operation Room volume Recommendation: min. 30 m³ Room ventilation Recommendation: min. 15 m³/h (natural ventilation) For heat evacuation extra ventilation may be necessary Use simulation at random operation Room volume and ventilation as recommended Daily copy volume (much more than average) Total worktime 7500 A4 Ozone concentrations: - Time weighted average 0,001 mg/m³ (0.0005 ppm) Ime weighted average
Peak
Threshold Limit Value/Occupational Exposure Limit
(Time Weighted Average) for ozone
Odour Perception Limit for ozone 0,003 mg/m³ (0.0015 ppm) (0,1 ppm) (0,02 ppm) 0,2 mg/m³ 0,04 mg/m³ Océ Master (Océ Material Safety Data Sheet E-193) Consumables Océ F11 Toner (Océ Material Safety Data Sheet E-212) Océ Copying Materials This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281. The ozone filter does not have to be replaced for keeping the ozone concentration in the workplace below 0.04 mg/m^3 (the life of the filter equals that of the apparatus). Additional safety information Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950 FPA ENERGY STAP (R) LISTED 927E US This safety data sheet has been compiled to the best of our knowledge as a compact guide to safe handling of this product. We reserve the right to revise safety data sheets as new information becomes available. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary and to contact the company to make sure that this sheet is the latest one issued. If and in sofar as limitation of liability is permitted under the applicable laws, we do not accept liability for any inaccuracy that may occur in this infi Copyright © 2001 Océ-Technologies B.V., Venio, NL

The content of this safety data sheet is subject to the disclaimer of liability on page 57 of this manual.

EPA ENERGY STAR®

Océ-Technologies B.V. has joined the ENERGY STAR® Program of the United States Environmental Protection Agency (EPA). The purpose of the ENERGY STAR® Program is to promote the manufacturing and marketing of energy-efficient equipment, thereby potentially reducing combustion-related pollution.

The Océ 31x5/31x5E DC is an Upgradable Digital Copier, the Océ 31x5/31x5E NC is a Multifunction Device.

As an ENERGY STAR® Partner, Océ-Technologies B.V. has determined that these machines meet the ENERGY STAR® guidelines for energy efficiency, exept the Océ 3145/3145E which has the same energy efficiency features, but does not meet the ENERGY STAR® Tier2 requirement for low power mode.

The ENERGY STAR® Criteria involve the feature mentioned below. The use of power management features prevents unnecessary power consumption and offers economical and environmental benefits.

low power The Océ 31x5/31x5E DC and NC automatically enter the low power mode 15 minutes after the last copy/print is made.¹ The low power default time can be adjusted by the key operator to an interval between 1 and 15 minutes.

sleep mode The Océ 31x5/31x5E NC automatically enters the sleep mode 90 minutes after the last copy/print is made.¹ The sleep mode default time can be adjusted by the key operator to an interval between 10 and 90 minutes.

auto-off The Océ 31x5/31x5E DC automatically enters the auto off mode 90 minutes after the last copy is made.¹ The auto off mode default time can be adjusted by the key operator to an interval between 10 and 90 minutes.

If the default times mentioned above cause an inconvenience, you can request the service technician to increase the limit to a maximum of 240 minutes. It is suggested that you determine the appropriate default time for your work pattern by changing the setting in increments of 30 minutes and testing each setting for at least a week.

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Only if the 240 minute limit still causes considerable inconvenience, due to your particular usage pattern, can you request the service technician to disable the sleep mode or auto off feature.

Attention: If one or more of the maximum default times is increased, or the sleep mode or auto off feature is disabled, the Océ 31x5/31x5E no longer complies with the German RAL-UZ 62 requirements.

automatic duplex Using both sides of paper reduces paper costs, national energy consumption and the amount of paper wasted. Therefore, both machines are set by default for automatic duplex copying/printing.

recycled paper The use of recycled paper also benefits the environment. The Océ 31x5/31x5E DC and NC are designed to use recycled paper. Product literature on recommended types of recycled copier/printer paper can be obtained from your local Océ company or Océ Headquarters (Océ-Technologies B.V.) in Venlo, the Netherlands

1 For power consumption data: see Product Safety Data Sheet in this appendix.

energy

ENERGY STAR® is a U.S. registered mark

Océ 31x5E

Scan Jobs

Appendix D Miscellaneous



How to read this manual

The consistent style that is used in this manual enables you to quickly become familiar with the use of this manual and ultimately the Océ 31x5E.

Description Each section or subsection contains a description of the feature or operation identified in the title. It might also include possible applications, as well as any guidelines that you should bear in mind.

Procedures A description is followed by a procedure. A procedure always begins with a phrase which briefly describes the procedure, followed by a series of numbered steps that take you, step by step, through all phases of performing the operation.

Figures and tables Figures and tables are titled and numbered sequentially throughout this manual. Figures include pictures of product components, screen dumps, examples, and diagrams of concepts discussed in the description.

Attention getters There are several types of information to which we draw your attention. This information is classified as follows:

Note: In a 'Note', information is given about matters which ensure the proper functioning of the machine or application, but useful advice concerning its operation may also be given.

Attention: The information that follows 'Attention' is given to avoid damage to your copy or original, the copier or printer, data files, etc.

Caution: The information that follows 'Caution' is given to prevent you suffering personal injury.

User survey

Did you find this manual to be accurate?

- □ Yes
- No

Were you able to operate the product after reading this manual?

- □ Yes
- No

Does this manual provide adequate background information?

- □ Yes
- No

Is the format of this manual convenient in size, easy to read and layed out well?

- □ Yes
- 🛛 No

Did you find the information you were looking for?

- □ Always
- □ Most of the times
- Sometimes
- Not at all

How did you find the information you were looking for?

- □ Table of contents
- Index
- Neither

Are you satisfied with this manual?

- □ Yes
- 🗅 No

Thank you for evaluating this manual.

If you have any other comments or concerns, please explain them on the following page.

Comments:

Date:

This reader's comment sheet is completed by:

Name (optional):

Occupation:

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Country:

Please return this sheet to:

Océ-Technologies B.V. Attn: ITC-User Documentation P.O. Box 101 5900 MA Venlo The Netherlands

Send you comments by E-mail to : itc-userdoc@oce.nl

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Océ-USA Inc. 5450 North Cumberland Av. Chicago, Ill. 60656 U.S.A.

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