

# **Chapter 11**

## **Technical Data**



## Technical data - Overview

### Overview

You will find information on the following topics:

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- *'Mechanical conditions'* on page 461
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## Technology and printing speed

### Technology

Printing method	Electrophotographic with LED technology
Fusing method	Heat printing fusing

### Print speed

Printing system	Print speed [Prints per minute] for DIN A4 portrait (two up)	Print speed [Prints per minute] for Letter portrait (two up)
Océ VarioStream 8550	500	530
Océ VarioStream 8650	600	636
Océ VarioStream 8750	707	750
Océ VarioStream 8550 Twin	1000	1060
Océ VarioStream 8650 Twin	1200	1272
Océ VarioStream 8750 Twin	1414	1500
Océ VarioStream 8650 CX (Production)	600	636
Océ VarioStream 8750 CX (Production)	707	750
Océ VarioStream 8650 CX Twin (Production)	1200	1272
Océ VarioStream 8750 CX Twin (Production)	1414	1500
Océ VarioStream 8650 CX (Graphics)	500	530
Océ VarioStream 8750 CX (Graphics)	500	530

## Technology and printing speed

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Printing system	Print speed [Prints per minute] for DIN A4 portrait (two up)	Print speed [Prints per minute] for Letter portrait (two up)
Océ VarioStream 8650 CX Twin (Graphics)	1000	1060
Océ VarioStream 8750 CX Twin (Graphics)	1000	1060
Océ VarioStream 8550 Triplex	1000	1060

## Paper feed

Paper feed	Single/twin printing system: Stack, high stack, roller, bottom feed (optional) Triplex printing system: Roller, bottom feed (optional)
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## Paper



**Note:**

The paper specifications (see *'Other documents'* on page 26) contain more detailed information on the permissible papers. The most important paper requirements are listed below.

### Requirements

Format height	Single printing system <ul style="list-style-type: none"> <li>■ Minimum: 76.2 mm (3")</li> <li>■ Maximum: 711.2 mm (28")</li> </ul> Twin printing system <ul style="list-style-type: none"> <li>■ Minimum: 76.2 mm (3")</li> <li>■ Maximum: 558.8 mm (22")</li> </ul>
Format width	Minimum: 165 mm (6.5") Maximum: 495.3 mm (19.5")
Print width	Maximum: 495.3 mm (19.5")
Fold distance	Minimum: 152.4 mm (6") Maximum: 406.4 mm (16")
Grammage	50 g/m <sup>2</sup> to 120 g/m <sup>2</sup>
Paper volume	1.3 cm <sup>3</sup> /g ± 0.2 cm <sup>3</sup> /g

#### Preprinted forms

- Preprinted forms must not contain metal pigmented color on the front or reverse side.
- The print color must be heat resistant (approx. 240°C for printing  $7.5 \times 10^5 \text{ N/m}^2$ ) and non-abrasive. Thermoplastic particles must not be released.
- The print color must be completely dried through.
- If a preprinted surface is to be used for printing:
  - the surface must be screened
  - the coverage must be less than 50%

#### Coated paper

- Coated paper cannot contain components that could be released when heated (240°C and above).

#### Storage conditions

- Temperature: 18°C to 24°C

## Paper

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- Relative humidity: 35% to 55%

## Electrical values

### Printing System

Power frequency	50 Hz (Standard Power)	50 Hz (Low Power Option)	60 Hz (Standard Power)	60 Hz (Low Power Option)
Supply voltage	230/400 V $\pm$ 8%	230/400 V $\pm$ 8%	208 V $\pm$ 8%	208 V $\pm$ 8%
Phases	3 PH + N + SE	3 PH + N + SE	3 PH + GND	3 PH + GND
Device fuse	4 x 80 A	4 x 60 A	3 x 125 A	3 x 100 A
Power fuse	4 x 100 A	4 x 60 A	3 x 150 A	3 x 100 A

### Power input at 50 Hz (Standard Power)

Printing system	VarioStream 8550	VarioStream 8650	VarioStream 8750
True power $P_T$	40.6 (2.55) kW	40.6 (2.55) kW	40.6 (2.55) kW
Apparent power $P_A$	42.3 (3.6) kVA	42.3 (3.6) kVA	42.3 (3.6) kVA
Heat emission Q	59760 (9000) kJ/h	64600 (9000) kJ/h	70560 (9000) kJ/h

Standby values in brackets

Average characteristics for the following paper: 12" x 375 mm and 80 g/m<sup>2</sup>

The printing system automatically switches to standby when idle.

### Power input at 50 Hz (Low Power Option)

Printing System	VarioStream 8550	VarioStream 8650	VarioStream 8750
True power $P_T$	38.0 (2.55) kW	38.0 (2.55) kW	38.0 (2.55) kW
Apparent power $P_A$	39.5 (3.6) kVA	39.5 (3.6) kVA	39.5 (3.6) kVA
Heat emission Q	59760 (9000) kJ/h	64600 (9000) kJ/h	70560 (9000) kJ/h

Standby values in brackets

Average characteristics for the following paper: 12" x 375 mm and 80 g/m<sup>2</sup>

The printing system automatically switches to standby when idle.

## Electrical values

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### Power input at 60 Hz (Standard Power)

Printing System	VarioStream 8550	VarioStream 8650	VarioStream 8750
True power $P_T$	39.5 (2.45) kW	39.5 (2.45) kW	39.5 (2.45) kW
Apparent power $P_A$	41.5 (2.95) kVA	41.5 (2.95) kVA	41.5 (2.95) kVA
Heat emission $Q$	59760 (9000) kJ/h	64600 (9000) kJ/h	70560 (9000) kJ/h

Standby values in brackets

Average characteristics for the following paper: 12" x 375 mm and 80 g/m<sup>2</sup>

The printing system automatically switches to standby when idle.

### Power input at 60 Hz (Low Power Option)

Printing System	VarioStream 8550	VarioStream 8650	VarioStream 8750
True power $P_T$	34.0 (2.45) kW	34.0 (2.45) kW	34.0 (2.45) kW
Apparent power $P_A$	35.0 (2.95) kVA	35.0 (2.95) kVA	35.0 (2.95) kVA
Heat emission $Q$	59760 (9000) kJ/h	64600 (9000) kJ/h	70560 (9000) kJ/h

Standby values in brackets

Average characteristics for the following paper: 12" x 375 mm and 80 g/m<sup>2</sup>

The printing system automatically switches to standby when idle.

## Mechanical conditions



**Caution:**

Together with the pre- and post-processing units and other printing systems, the noise level can exceed a value of 70 dB (A).

It is recommended that ear protection be worn when working on the printing system. Do not install the printing system in an office area.



**Note:**

The specifications always refer to a single printing system.

### Vibrations and tilt angles

Vibrations	In accordance with EN 60721, intensity class 3M2
Tilt	Maximum tilt angle of the printing system: 1°

### Operating noise

Operating noise	< 70 dB (A) (max. 61 dB (A))
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The printing system automatically switches to standby when idle.

### Dimensions and weight

Length	2630 mm (103.5 inches)
Depth	1326 mm (52.2 inches)
Height	1619 mm (63.7 inches)
Weight	1215 kg (2675 lbs)

## Environmental conditions



**Note:**  
The specifications always refer to a single printing system.

### Operating ranges

	Rated operation	Limit of operation
Room temperature	18° C to 24° C (64.4° F to 75.2° F)	10° C to 32° C (50° F to 89.6° F)
Relative humidity	38% to 60%	10% to 80%
Lowest absolute humidity	2 g/m <sup>3</sup>	1 g/m <sup>3</sup>
Highest absolute humidity	22 g/m <sup>3</sup>	25 g/m <sup>3</sup>

### Cooling and fresh air, air purity

Thermal equilibrium	To maintain the thermal equilibrium for climatic class 3K2 (general office climate) at the printing system location, a combination of heat extraction of 80% of the thermal energy along with air conditioning to reduce the temperature of the remaining 20% is recommended.
Cooling air	At 50 Hz: 7600 m <sup>3</sup> /h At 60 Hz: 7800 m <sup>3</sup> /h
Fresh air	The air supply should contain 20% fresh air.
Air cleanliness	Air purity level 2

### Ozone concentration



**Note:**  
The maximum work place concentration (MAK) defined by the German Research Council is 0.1 ppm.

Ozone concentration	0.01 ppm
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