

## Environmental datasheet

## e-STUDIO409As

### System information

**System:** E-STUDIO409As

**Printing/Copying Speed:** 40 ppm monochrome

**Supplies:**

Toner T409WR

- Duplex unit as standard
- Capable to operate with recycling paper (EN12281)
- Internal toner recycling
- Energy Saver modes available
- Safety Data Sheet (SDS) for toner available



Image includes options

### Noise emission

Measured according to:  Blue Angel (DE-UZ 219)  ISO 7779 / ISO 9296

	A-weighted sound power L <sub>wA</sub>	Declared A-weighted sound power L <sub>wAc</sub>
Printing mono	64.8 dB(A)	67.4 dB(A)

The device meets the noise emission requirements of the following voluntary programmes:

- Blue Angel (DE-UZ 219)  Nordic Swan for IE (015), V6

### Chemical emission

Measured according to:  Blue Angel (DE-UZ 219)

	Print phase (mono) <sup>1</sup>	Pre-operating phase (mono) <sup>1</sup>
Ozone	<0.25 (LOD/LOQ) mg/h	
Styrene	0.080 mg/h	
Dust	<0.24 (LOD/LOQ) mg/h	
TVOC	1.870 mg/h	0.074 mg/h
Benzene	<0.012 (LOD/LOQ) mg/h	
Unidentified single VOC	pass (0.059 mg/h)	
Particle emission rate	0.19 X 10 <sup>11</sup> /10min	

<sup>1</sup> LOQ/LOD = Limit of Quantification/Limit of Detection

The device meets the chemical emission requirements of the following voluntary programmes:

- Blue Angel (DE-UZ 219)  Nordic Swan for IE (015), V6

## Power level at 230 V AC

Measured according to:  ENERGY STAR® for Imaging Equipment  Blue Angel (DE-UZ 219)

<b>Ready</b>	8.34W	<b>Plug-in Off</b>	0.2W
<b>Energy Save Mode</b>	1.13W	<b>Power max.</b>	1190W
		<b>cont. printing</b>	580W
		<b>cont. copy</b>	589W

Typical Energy Consumption (TEC): 0.498 kWh/week based on ENERGY STAR® for IE, Version 3.2

The device meets the power consumption requirements of the following voluntary programmes:

ENERGY STAR for Imaging Equipment, V. 3.2  Blue Angel (DE-UZ 219)  Nordic Swan for IE (015), V6

## Packaging data

<b>Cardboard/ Paper</b>	1325.7 g
<b>Plastics</b>	137.2 g
<b>EPS/EPE</b>	219.4 g

## Chemicals/material

**1st battery:** LiMnO2 0.23 g

### Cover/housing

**Material:** ABS, ABS+PC FR(40), PS-HI  
**Flame Retardants:** Free from halogens and chlorinated paraffins  
**Marking:** Plastics marked according to ISO 11469

### Recycled plastic usage-ratio (based on EPEAT calculation procedure):

32.4 weight-% per total plastics, respectively 2082 g

Device is compliant to the RoHS-Directive  Device and material comply to REACH-Regulation

## Take-back programmes

- For devices according to WEEE-Directive
- For batteries according to Battery Directive
- For packaging material according to Packaging Directive

## Others

Manufacturing site certified according to:

- ISO 14001 (Environmental Management System)
- ISO 9001 (Quality Management System)
- ISO 18001/45001 (Occupational Health and Safety Management System)

Commission Regulation 2019/2020:

The light sources are not intended for any other application than image capturing and/or printing in a Toshiba MFP/Printer