

Environmental datasheet

e-STUDIO409As

System information

System:	E-STUDIO409As
Printing/Copying Speed:	40 ppm monochrome
Supplies:	
Toner	T409WR
<input checked="" type="checkbox"/> Duplex unit as standard <input checked="" type="checkbox"/> Capable to operate with recycling paper (EN12281) <input type="checkbox"/> Internal toner recycling <input checked="" type="checkbox"/> Energy Saver modes available <input checked="" type="checkbox"/> 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 _{WA}	Declared A-weighted sound power L _{WA} c
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) ¹	Pre-operating phase (mono) ¹
Ozone	<0.25 (LOD/LOQ) mg/h	0.074 mg/h
Styrene	0.080 mg/h	
Dust	<0.24 (LOD/LOQ) mg/h	
TVOC	1.870 mg/h	
Benzene	<0.012 (LOD/LOQ) mg/h	
Unidentified single VOC	pass (0.059 mg/h)	
Particle emission rate	0.19 X 10 ⁻¹¹ /10min	

¹ 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)

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

Cardboard/ Paper	1325.7 g
Plastics	137.2 g
EPS/EPE	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