

IMPACT AREA	BEST PRACTICE
Performance Requirements	The product meets the latest energy efficiency requirements of ENERGY STAR
Information	Information about the energy save function is provided with the product.
Parts	Plastic materials in covers/housing have surface coatings that are compatible with recycling or reuse, including metal coatings.
Parts	Parts that have to be treated separately are easily separable
Parts	Plastic parts >100g consist of one material or of easily separable materials.
Parts	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.
Parts	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.
Labels	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).
Upgrading	Upgrading can be done e.g. with processor, memory, cards or drives
Upgrading	Upgrading can be done using commonly available tools
Parts	Spare parts are available after end of production for: 5 years

Service	Service is available after end of production for: 5 years
Parts	All cover/housing plastic parts >25g are halogen free
Circuit Boards	All printed circuit boards (without components) >25g are halogen free
Parts	Plastic parts >25g are free from flame retardant substances/preparations above 0.1% classified as R45/46, R50/51/53 and R60/61 (67/548/EEC)
Light sources	Light sources are free from mercury
Sound Level	During printing operation the 'Declared A-weighted Sound Level' (LWAd) according to ISO 9296, measured in accordance with ISO 7779, shall not exceed the limits set by the following formula: <ul style="list-style-type: none"> <li>• LWAd: <math>0.035 \times \text{ipm} + 5.9</math> (B)</li> </ul> Where ipm = images per minute. The devices shall additionally not exceed 7.5 (B) LWAd except for devices with an ipm >71
Chemical Emission requirements	The product meets the chemical emission requirements of Blue Angel, Nordic Swan or TCO.
MSDS	A Material Safety Data Sheet (MSDS) is available for the ink/toner preparation, even if not legally required.
Paper	Paper containing recycled fibres that meets the requirements of EN12281 can be used.
Imaging Speed	Products with an imaging speed of $\geq 45$ ipm shall include automatic duplexing as a standard feature at the time of purchase. Automatic duplexing must

	be offered as a standard feature or optional accessory at the time of purchase for products with an imaging speed of 25 - 44 ipm. Products must support manual duplexing where automatic duplexing is not provided.
Imaging Speed	Secure user authenticated printing or pull printing must be supported in devices with imaging speeds of $\geq 30$ ipm.
Packaging	Product packaging does not contain chlorine.
Suppliers	Suppliers must provide a free take back system for imaging product consumables (except paper).

<b>IMPACT AREA</b>	<b>CLASS LEADER</b>
Performance Requirements	The product meets the latest energy efficiency requirements of ENERGY STAR
Information	Information about the energy save function is provided with the product.
Parts	Plastic materials in covers/housing have surface coatings that are compatible with recycling or reuse, including metal coatings.
Parts	Parts that have to be treated separately are easily separable
Parts	Plastic parts >100g consist of one material or of easily separable materials.

Parts	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.
Parts	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.
Labels	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).
Upgrading	Upgrading can be done e.g. with processor, memory, cards or drives
Upgrading	Upgrading can be done using commonly available tools
Spare parts	Spare parts are available after end of production for: 5 years
Service	Service is available after end of production for: 5 years
Insulation material	Electrical cable insulation material of power cables are halogen free (including PVC)
Insulation material	Electrical cable insulation material of signal cables are halogen free (including PVC)
Plastic Parts	All cover/housing plastic parts >25g are halogen free
Circuit boards	All printed circuit boards (without components) >25g are halogen free
Plastic parts	Plastic parts >25g are free from flame retardant substances/preparations above 0.1% classified as

	R45/46, R50/51/53 and R60/61 (67/548/EEC)
Light sources	P7.22 Light sources are free from mercury
Printing	<p>During printing operation the 'Declared A-weighted Sound Level' (LWAd) according to ISO 9296, measured in accordance with ISO 7779, shall not exceed the limits set by the following formula:</p> <ul style="list-style-type: none"> <li>• LWAd: <math>0.035 \times \text{ipm} + 5.9</math> (B)</li> </ul> <p>Where ipm = images per minute.</p> <p>The devices shall additionally not exceed 7.5 (B) LWAd except for devices with an ipm &gt;71</p>
Chemical emissions requirements	The product meets the chemical emission requirements of Blue Angel, Nordic Swan or TCO.
Ink/toner preparation	A Material Safety Data Sheet (MSDS) is available for the ink/toner preparation, even if not legally required
Paper	Paper containing recycled fibres that meets the requirements of EN12281 can be used
Imaging speed	Products with an imaging speed of $\geq 45$ ipm shall include automatic duplexing as a standard feature at the time of purchase. Automatic duplexing must be offered as a standard feature or optional accessory at the time of purchase for products with an imaging speed of 25 - 44 ipm. Products must support manual duplexing where automatic duplexing is not provided.
Imaging speed	Secure user authenticated printing or pull printing must be supported in devices with imaging speeds of $\geq 30$ ipm.
Packaging	Product packaging does not contain chlorine.
Suppliers	Suppliers must provide a free take back system for imaging product consumables (except paper).

Products awarded the ENERGY STAR label will be deemed to comply with Energy Star criteria. Appropriate means of proof for all Laser Printers standards include a technical dossier of the manufacturer or a test report from a recognised body demonstrating that the criteria are met