

Room Air Conditioner

Model: RAS-2810LX



Energy Savings

- Wide-range PAM and a motor using a high-intensity magnet yield a 5.03 standard* rating, beating the 4.9 rating mandated by law for air conditioners effective 2004.
- Annual electricity consumption has been cut 52%, from 1,988kWh to 949kWh (compared with the 1989 model RAS-289AX).
- Standby power requirement cut 80%, from 4W to 0.8W (compared with the 1998 model RAS-2810KX).

Ease of Recycling/Disassembly

- Simplification of the indoor heat exchanger fitting, fewer mounting screws reduces total number of components.
- ABS blower direction plate replaced with polystyrene, unification of plastic components
- Disclosure of materials in plastic components

Packaging Materials

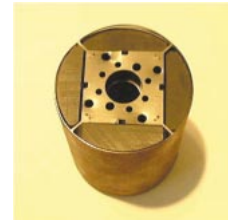
- Use of polystyrene foam cut 60% compared with 1990 models by the elimination of polystyrene foam from indoor unit, smaller cushions for outdoor unit and the use of molded pulp products.

Other

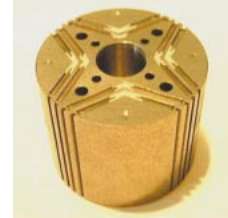
- Uses new hydrofluorocarbon (R410A) with no impact on the ozone layer.

■ DC Motor Using High-Intensity Magnet

Ferrite Motor



Rare Earth Motor



* Standard: Average air conditioner/heater energy efficiency

Color Television

Model: W32-GF3



Energy Savings

- Annual electricity consumption was cut 29% compared with 1997 model W32-G1, from 316kWh to 225kWh.
- Standby power requirement cut 91% compared with 1997 model W32-G1, from 4.3W to 0.4W.

Ease of Recycling/Disassembly

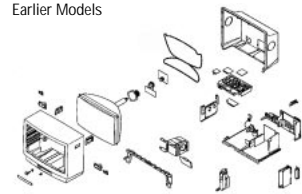
- Single-unit, buildup-type circuit boards reduce weight and the number of components.
- The front frame and back cover are made from halogen-free materials, which have an extremely low likelihood of generating environment-polluting substances.
- Internal wiring does not use lead as a stabilizer for insulating material.
- Structural components use no PVC.
- Disclosure of materials in plastic components
- Uses JIS-standard screws, standard industrial tools

Packaging Materials

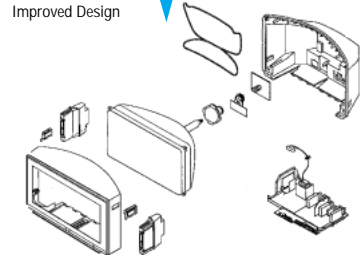
- Use of polystyrene foam cut 60% compared with 1990 models by partitioning, use of smaller upper cushioning

■ Component Reduction

Earlier Models



Improved Design



Videocamera

Model: E6H Series



Energy Savings

- Video, camera and LCD circuitry uses a single LSI, cutting electricity use 11% compared with the 1998 model VM-H945LA.

Ease of Recycling/Disassembly

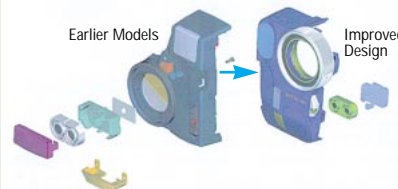
- Plastic-molded components of polystyrene and polycarbonate replaced with ABS, improving recycling 70%.
- Integration of the front cover and microphone cover cuts the number of parts, from 81 to 66.

Packaging Materials


- Use of polystyrene foam cut 72% compared with 1992 models by using thinner packaging materials and changing support for the product.


■ One-Piece Design for Front Cover and Microphone Cover

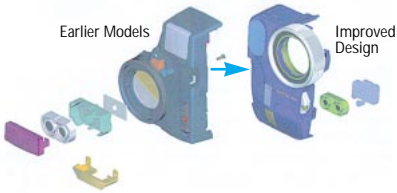
Earlier Models



Improved Design

Room Air Conditioner Model: RAS-2810LX 	Energy Savings	<ul style="list-style-type: none"> Wide-range PAM and a motor using a high-intensity magnet yield a 5.03 standard* rating, beating the 4.9 rating mandated by law for air conditioners effective 2004. Annual electricity consumption has been cut 52%, from 1,988kWh to 949kWh (compared with the 1989 model RAS-289AX). Standby power requirement cut 80%, from 4W to 0.8W (compared with the 1998 model RAS-2810KX). 	N DC Motor Using High-Intensity Magnet Ferrite Motor ↓ Rare Earth Motor * Standard: Average air conditioner/heater energy efficiency
	Ease of Recycling/Disassembly	<ul style="list-style-type: none"> Simplification of the indoor heat exchanger fitting, fewer mounting screws reduces total number of components. ABS blower direction plate replaced with polystyrene, unification of plastic components Disclosure of materials in plastic components 	
	Packaging Materials	<ul style="list-style-type: none"> Use of polystyrene foam cut 60% compared with 1990 models by the elimination of polystyrene foam from indoor unit, smaller cushions for outdoor unit and the use of molded pulp products. 	
	Other	<ul style="list-style-type: none"> Uses new hydrofluorocarbon (R410A) with no impact on the ozone layer. 	

Color Television Model: W32-GF3 	Energy Savings	<ul style="list-style-type: none"> Annual electricity consumption was cut 29% compared with 1997 model W32-G1, from 316kWh to 225kWh. Standby power requirement cut 91% compared with 1997 model W32-G1, from 4.3W to 0.4W. 	N Component Reduction Earlier Models ↓ Improved Design
	Ease of Recycling/Disassembly	<ul style="list-style-type: none"> Single-unit, buildup-type circuit boards reduce weight and the number of components. The front frame and back cover are made from halogen-free materials, which have an extremely low likelihood of generating environment-polluting substances. Internal wiring does not use lead as a stabilizer for insulating material. Structural components use no PVC. Disclosure of materials in plastic components Uses JIS-standard screws, standard industrial tools 	
	Packaging Materials	<ul style="list-style-type: none"> Use of polystyrene foam cut 60% compared with 1990 models by partitioning, use of smaller upper cushioning 	

Videocamera Model: E6H Series	Energy Savings	<ul style="list-style-type: none"> Video, camera and LCD circuitry uses a single LSI, cutting electricity use 11% compared with the 1998 model VM-H945LA. 	N One-Piece Design for Front Cover and Microphone Cover 
	Ease of Recycling/Disassembly	<ul style="list-style-type: none"> Plastic-molded components of polystyrene and polycarbonate replaced with ABS, improving recycling 70%. Integration of the front cover and microphone cover cuts the number of parts, from 81 to 66. 	
	Packaging Materials	<ul style="list-style-type: none"> Use of polystyrene foam cut 72% compared with 1992 models by using thinner packaging materials and changing support for the product. 	