The objective of tabulated data is offices and factories having a large environmental impact. (Reported separately)

Referenced Guidelines "Environmental Reporting Guidelines (FY2007 Version)" (Ministry of the Environment, Japan), "E



Website This report is a condensed version of the contents of our website. Please see Environmental Efforts of our homepage for more information. (Only in Japanese) http://www.hitachi-ap.co.jp/compa

Contact Address Hitachi Appliances, Inc., Environment Promotion Division, Hitachi Atago Bldg., 15-12 Nishi Shimbashi 2-chome, Minato-ku, Tokyo 105-8410 Japan, TEL: 03-3502-2111 FAX: 03-3506-1442







Issued September 2008



Mission

Hitachi Appliances will reduce greenhouse gas emissions from its own activities.

Hitachi Appliances will introduce products and systems that contribute to the reduction of greenhouse gas emissions.

The Earth is experiencing increases in air and ocean temperatures. As a result, the melting of glaciers and ice caps has accelerated and sea levels are rising.

Judging from these changes, the UN Intergovernmental 2007, which stated warming of the climate is unequivocal and for the EU, 5.2% for the entire industrialized nations). that the global average temperature increase since the middle of the 20th century was highly likely to be caused by growing report also predicts a 1.1-6.4 degree increase in the global to reduce in half greenhouse gas emissions globally by 2050." average temperature by the year 2100, and points out that such systems, food security, ocean/coastal areas and human health, which may bring about unexpected or irreversible phenomena.

The global annual greenhouse gas emissions reached 26.6 billion tons in 2005, of which the majority was CO₂ emissions. naturally absorbed by the Earth per year, and therefore, greenhouse gases remain in the atmosphere and are increasing. As such, the reduction of greenhouse gas emissions is a top priority on the international agenda for the prevention of global warming.

The Kyoto Protocol provides a framework for the reduction targets of greenhouse gas emissions to be achieved by the industrialized countries for the prevention of global warming.

Japan, for its part, is committed to a 6% reduction in emissions Panel on Climate Change (IPCC) issued a report in November compared with 1990 levels during the period of 2008-2012 (8%

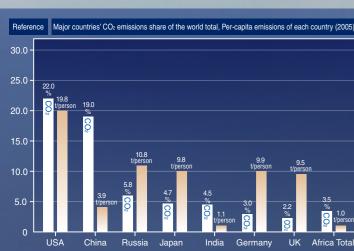
Discussion on the post-Kyoto Protocol has also started.

In the Chair's Summary of the G8 Heiligendamm Summit held greenhouse gas emissions resulting from human activities. The in June 2007, the participants agreed to "seriously consider how

Furthermore, the 13th Conference of the Parties of the UN global warming will have far-reaching impacts on water, eco- Framework Convention on Climate Change in December 2007 adopted the "Bali Roadmap," the timeline of negotiations toward a framework for 2013 with a view to reaching a final agreement by the end of 2009. In order to halve global greenhouse gas emissions by 2050, advanced nations, who emit comparatively Only an estimated 11 billion tons of CO2 emissions can be large amounts of greenhouse gas emissions, need to achieve around a 60%-80% reduction.

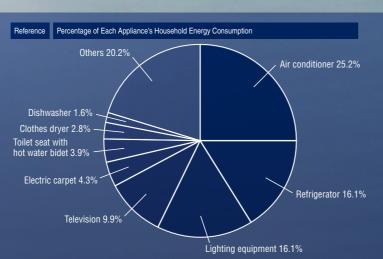
> In the 21st century, people across the world are expected to create a low carbon society in close cooperation.

> Hitachi Appliances regards it as our important mission to contribute to the prevention of global warming by reducing greenhouse gas emissions from our activities and by introducing products and systems that are effective for the reduction of greenhouse gas emissions.



ized nations' CO_2 emissions are large on a per-capita basis as well as on a national eveloping countries' emissions per capita are small, but, as for those with large ns, emissions are expected to explode with economic growth.

Source: Energy Data and Modeling Center, the Institute of Energy Economics (IEE), Japan. '2008 EDMC Handbook of Energy & Economic Statistics in Japan''



In Japanese households, nearly 40% of total CO_2 emissions are generated by electricity consumption, particularly for air conditioners and refrigerators.

Source: Agency for Natural Resources and Energy, Japan "Denryoku Jukyu no Gaiyo, Heisei 16 fiscal year (Outline of 2004 Electricity Demand and Supply, estimated record of FY2003, in Japanese)

Glossary of global warming pr	evention terms
UN Framework Convention on Climate Change	The Convention is the most comprehensive and fundamental treaty for international measures against climate change, which was adopted in May 1992 and entered into effect in March 1994. Almost all countries in the world (192 nations/regions as of October 2007) have adopted the treaty.
Kyoto Protocol	The Kyoto Protocol was adopted at the 3rd Conference of the Parties in 1997 (Kyoto Conference) based on the Framework Convention on Climate Change. It includes the green-house gas emissions reduction target of the industrialized nations. Greenhouse gases refer to CO ₂ (carbon dioxide), CH ₄ (methane), N ₂ O (nitrous oxide), SF ₆ (sulphur hexafluoride), HFCs (hydrofluorocarbons) and PFCs (perfluorocarbons). As of October 2007, 176 countries/regions have ratified the Protocol.
IPCC (Intergovernmental Panel on Climate Change)	The World Meteorological Organization and the UN Environment Programme jointly established this Panel as a UN organization in 1988. It conducts scientific, technical and socio-economic assessments on global warming, and provides acquired knowledge to policy makers and the public. The Panel adopted and announced the Synthesis Report of the Fourth Assessment Report in November 2007. The 2007 Nobel Peace Prize was awarded to the IPCC.
Albert Arnold Gore, Jr.	Al Gore was the 45th Vice President of the United States (term: 1993-2001). Since leaving office, he has been active on the lecture circuit and engaged in various activities for the prevention of global warming. He took part in "An Inconvenient Truth," a documentary which addressed the theme of global warming. He was jointly awarded the 2007 Nobel Peace Prize.
Point of No Return	The Point of No Return refers to the point at which the thermal inertia of climate system irreversibly raises the Earth's temperature as a result of the advancement of global warming. Experts speculate that a 2 degree temperature increase from Industrial Revolution levels would render the world at the Point of No Return.
Low carbon society	A low carbon society is a society with low CO ₂ emissions achieved through a transformation in business activities and lifestyles.
Cool Earth 50 (Beautiful Planet 50)	Cool Earth 50 is the long-term target of halving global greenhouse gas emissions by 2050, which is advocated by Japan.

Carbon offset is a scheme in which people or organizations can offset greenhouse gas emissions from their own activities, in particular when a reduction in emissions may be difficult, (a) by purchasing greenhouse gas reduction or absorption credits realized by others, and (b) by conducting other activities for reduction or absorption.

Future International Response to Climate Change" (Interim Report by the Expert Sub-committee on the International Strategy for Climate Change, the Earth Environment Committee, the Central Environment Council, Japan, December 2004, in Japanese)
IPCC Synthesis Report of the Fourth Assessment Report: Summary" (Ministry of the Environment, Japan, December 2007, in Japanese)



Company Overview and Main Products

Company name Hitachi Appliances, Inc.

Main business Development, manufacture, and sales of comprehensive air conditioning systems and home appliances

Representative Takazumi Ishizu, President and Director Capital 20 billion (wholly owned by Hitachi, Ltd.)

Date established April 1, 2006

Head office Hitachi Atago Bldg., 15-12, Nishi Shimbashi 2-chome, Minato-ku, Tokyo

Number of employees Approx. 17,000 (As of April 2008)

(consolidated)

Website http://www.hitachi-ap.com/



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Company Overview and Main Products

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At Buildings and Hotels, Hospitals, Libraries, etc.

Multi-air conditioners for buildings Packaged air conditioners for equipment

Gas heat pump air conditioners Industrial dehumidifiers





At Shopping Centers

Absorption chiller-heaters Cogeneration systems

Refrigerator and freezer units

Low-temperature chiller units

Scroll cooling systems

Centrifugal chillers

Scroll chillers

Unit coolers

Screw chillers

Multi-air conditioners for buildings



Shopping Centers

Offices

Households

Factories

At Factories and Laboratories

Centrifugal chillers Absorption chiller-heaters

Packaged air conditioners for equipment

Water chillers

Scroll chillers

Spot air conditioners

Clean systems and equipment

Clean bench and associated equipment

Anti-biohazard systems and equipment

Environmental testing equipment

Super low-temperature freezers







Room air conditioner Ventilation fan

Air purifier

Home heat pump water heaters

Electric water heaters

Inverter pump

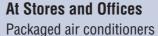






For Area Air Conditioning

Centrifugal chillers Absorption chiller-heaters Cogeneration systems



for stores and offices Industrial heat pump water heaters







In Households

Microwave oven

IH cooking heater

Food waste disposer

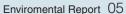
Refrigerator

Rice cooker

Washer-dryer

Vacuum cleaner







Message from the President Livable Society and Comfortable Life

Hitachi Appliances will contribute to "quality of life," and provide "Lifestyle Zone Solutions" as a partner to support customer's eco-consciousness.

Environmentally friendly measures are being accelerated worldwide, such as preventing global warming, recycling resources and reducing chemical substances that have an impact on the environment. In particular, the 2007 Nobel Peace Prize awarded to the IPCC (UN Intergovernmental Panel on Climate Change) and former US Vice President Al Gore, has considerably raised public awareness of the global warming issue. Today, it is virtually common understanding worldwide that we must halve greenhouse gas emissions by 2050 and transition to a more eco-friendly lifestyle to that end.

Hitachi Appliances is globally expanding the "Lifestyle Zone Solutions Business" to support and improve people's living foundations including homes, offices and shops, underpinned by our comprehensive air conditioning business which offers a broad lineup from household air conditioners to large business-use chillers; our home appliances business which features washing machines, vacuum cleaners and refrigerators; and our all-electric housing business which includes water heaters and kitchen equipment.

In conducting our business operations, we must address environmental issues even further, recognizing it as one pillar of our corporate social responsibilities for the sustainable development of the entire society. At the same time, we regard this challenge as a business opportunity for our company.

To this end, the Hitachi Group devised "Environmental Vision 2015," a mid-term plan compiled in FY2006 and "Environmental Vision 2025," a long-term plan compiled in FY2007. These plans will



serve as the foundation for our efforts in global warming prevention, eco-system preservation and resources recycling. Among these activities, the realization of "Emission-Neutral" is of critical importance.

"Emission-Neutral" is a concept that equalizes the "amount of direct environmental load generated" by energy consumption for our activities such as production, transport and waste-recycling with the "amount of social environmental load reduced" by developing products with energy-saving features such as decreased energy consumption. We are endeavoring to achieve the equality by FY2015.

Toward the realization of "Emission-Neutral," we will advance changes in our mindset by setting even higher goals, thereby effectively reducing the environmental impact of all of our business activities. At the same time, we will enhance our energy-saving, ecofriendly technologies, and widely offer products and services that are suitable for the environmentally-conscious 21st century. In addition, we will clearly communicate our activities and successes with our customers and other stakeholders to keep them aware and informed.

Hitachi Appliances will contribute to "quality of life" while nurturing close ties with people's "Lifestyle Zone," so that we may pass on an environment that is rich in greenery, air and water to the next generation. We will also play an active role as a public institution as well as an environmentally-advanced enterprise, so that we can support your commitment to eco-conscious activities as your partner.

As we set our sights even higher, we welcome your frank opinions about our activities.

> Takazumi Ishizu President and Director

ental Management Structure in Hitachi Appliances (as of April 2008) President Director in Charge of Environment **Environment Promotion Departmen** Global Operation Division Sales Division Shimizu Air Conditioning Works Engineering & Construction Division Service Engineering Division Room Air Conditioners Business Division Tochigi Air Conditioning Works Tsuchiura Air Conditioning Works Home Appliance Group Business Management Division All-electric Housing Division Corporate Planning Divisions Taga Home Appliance Works Management Divisions Tochigi Home Appliance Works Water Heater Division

Eco-Products and Their Technologies



Under the theme of contributing to becoming a sustainable, recycling society, we are actively engaged in creating products that reduce the burden on the environment, such as preventing global warming, conserving energy, conserving resources, and reducing use of chemical substances.



R-X6000 R-SF60XM R-SF55XN R-SF50XM R-SF45XM R-S45XM R-SF42XM R-S42XM

- Hitachi PAM Air Conditione

Double Award of Energy Conservation Grand Prizes

We received the "2007 (18th) Energy Conservation Grand Prizes for Excellent Energy Conservation Equipment" (Chairman Prize of ECC) for both room air conditioners and refrigerators, which were the two highest energy-consuming home appliances, in appreciation of their energysaving features. Our refrigerators have been awarded the prize for two consecutive years.

Energy Saving with Conventional Compact Size Energy Conservation Standard achievement percentage 118%

Room Air Conditioner

Mist Deodorizing Stainless Steel Clean

Shirokumakun

This is a powerful yet energy-efficient room air conditioner with the conventional size of 11 years ago. The automatic filter cleaning function and the stainless inside structure create long-lasting power.



RAS-S40X2

Annual Performance Factor of Energy Consumption (APF) was improved by about 50% with technologies such as an IQ-PAM engine and a high-efficiency scroll compressor.

Comparison with RAS-401HX2, our 1997 product

Recycled plastic is used in the propelled fan of the outside unit and other compo-

The automatic filter cleaning function and the stainless inside structure keens the air conditioner clean, thereby sustaining air conditioning capacity and energy effi-

This product is labeled with the J-Moss Green Mark.

·www.kadenfan.hitachi.co.jp/ra (Only in Japanese)

Large Capacity & Energy Saving with No Additional Space for Installment Energy Conservation Standard achievement percentage 125%

Refrigerator

Vacuum Chilled

to Keep Foods Fresh

Vacuum compartment uses vacuum storage to protect nutrients, preserve freshness, and prevent deterioration of easily oxidized foods. The thin wall construction has a capacity of 601 liters and requires an installment space similar to those of 10 years ago



The annual power consumption amount was reduced by about 20% by using new technologies including a flexible vacuum insulation panel and PAM & low-speed control. *Comparison with R-W5700, our 2007 product

Utilizes the non-fluorocarbon refrigerant R600a (isobutane), which has a very low environmental impact.

Recycled plastic is used in the printed circuit board case and other parts

This product is labeled with the J-Moss

R-X6000



www.kadenfan.hitachi.co.jp/rei (Only in Japanese)

The RAS-S40X2 room air conditioner reduces approxi-

mately 298kg CO₂ per year, and the R-X6000 refrigerator

In line with "Reduce 1kg-CO2 per day and person," a campaign slogan of the Team Minus 6%, we use the label of a Shirokuma (white bear) that stands for a 365kg CO2 reduction, which is the per capita target of the campaign. The label is displayed in catalogues and other sales pro media of our products to

Go for it! One ka CO2 reduction per person a day

365_{kg}

The weight of a white h **365**kg

nnual CO2 reduction

Environmental Report 07

Compact Microwave Oven with Large Capacity Energy Conservation Standard achievement percentage 110%

Microwave Oven

Health Chef

Delicious Medley

This superheated steam microwave oven automatically calculates the appropriate heating temperature and time based on food volume, maximizing taste. This space-saving oven boasts a large capacity of 33l.



MRO-DV200

Annual power consumption was reduced by 25% by employing a more efficient heating method, a four-layer insulation structure and other features

*Comparison with conventional model (MRO-A1, our 2000 product)

Recycled plastics are used for leg cover and other parts.



Green Mark.

Cleaning has been improved by employ-

ing a table plate that can be easily re-

moved for cleaning, an infrared black coat

that resists grease adherence and can be

The product is labeled with the J-Moss

easily wiped clean, and other means.

High Heat Resistant, All Metal Supporting "Triple Power IH" for Elaborate

IH (Induction Heating) Cooking Heater

Silent Smokeless

Triple Power IH

This is a three heat outlet IH cooking heater featuring an "all metal supporting IH" on the right side that can handle all metal pots and pans. Easy-to-clean glass surface and deodorizing palladium oxide catalyst are employed.



Annual energy consumption was reduced by 16% with wide inverter and new PAM control.

(HTW-4DA, our 1999 product)

Design reduces noise of 35dB when iron



·www.kadenfan.hitachi.co.jp/ih (Only in Japanese)

cleaning easier.

Fluorine coating of the grill plate, as well

as detachable ventilation pockets, make

First Ever Washer-Drver Featuring Wind Iron*1 Drv Clothes Gently with Fewer Wrinkles

Drum-Type Washer-Dryer

Big Drum

with Wind Iron

This is a drum-type washer-dryer featuring a wind iron and a big drum with a 60cm diameter. The wind iron dries clothes gently with fewer wrinkles. The big drum beats and washes clothes with a high drop, and then dries them gently by broadly stretching them.

Shorter drying time as a result of the efficient drying system with higher-velocity wind and more spin has reduced the amount of energy consumption by about

Water Conservation

A washing and drying system employing a circulation pump and a bathwater pump has reduced tap water consumption by about 90%.*2

Recycled plastics are used in the tub frame and others.

This product is labeled with the J-Moss Green Mark

* See P17



- *1 Announced on September 26, 2007 for household washer-dryer
- arison with conventional products (WD-74B, our

Cleans Even Bacteria and Viruses. Premium Clean, a Cyclone-Type Cleaner with Dust Cleaning Rate of 99.999%

Cleaner

Robot Cyclone

This is a cyclone-type cleaner with a dust removal rate of 99.999% realized by the three-way circuit type cyclone and the plasma ULPA structure. It also employs a dust case automatic lift-up mechanism to reduce strain on the arms and waist.



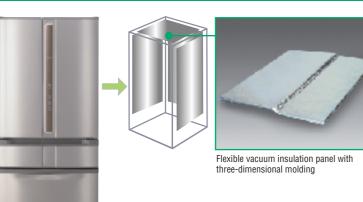
The dust hunter head perceives the type of floors, and the speed and power of the cleaner is automatically optimized, thereby increasing energy efficiency.

The electric spiral dust filter automatically cleans itself after each use. This prevents the filter from becoming clogged, and maintains the cleaner's power.



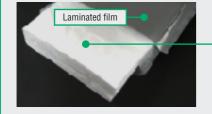
www.kadenfan.hitachi.co.jp/clean (Only in Japanese)

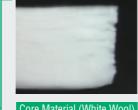
Hitachi-Vacuum Insulation Panel Hi-VIP



A vacuum insulation panel envelops the area around the core materials in an airless vacuum to suppress heat transfer by convection and conduction, thereby improving the thermal insulation effect. Hitachi Appliances' Hi-VIP vacuum insulation seals the core material with a laminated film in the vacuum to provide thermal insulation performance approximately 25 times greater than that of glass wool insulation for residences (thermal conductivity 0.0015 W/m-K). An additional feature is the threedimensional molding, by which the panel can be used for non-flat parts. The panel is currently used in the Company's refrigerators. super low-temperature freezers, and other products.







No adhesive is used to achieve a wide operational temperature range.

- Absorbs moisture and gases to prevent a decrease in insulation performance. Unlike conventional calcium oxide, it can be recycled.
- Can be formed into flat surfaces and is unaffected by the surface shape.

"Powerful Double Deodorization" and "Powerful Sanitary Humidifying" Make the Entire Room Comfortable

www.kadenfan.hitachi.co.jp/wash (Only in Japanese)

Air Purifier

Powerful Deodorization and Powerful Humidifying

Clean Air

This air purifier has a 99% deodorizing rate and double deodorization power due to Nano-technology BIG HEPA filter and ion mist. It is also equipped with a large 4 liter tank and a 600mL/h powerful humidifier.

Energy consumption for regular operation was reduced by 6%.*

Comparison with EP-AV500, our 2006 product

The air purifier uses artificial zeolite made of coal ash resulting from thermal power generation as a deodorant.

Features a detachable water tank, water tray and vapor filter for easy cleaning.



·www.kadenfan.hitachi.co.jp/airclean (Only in Japanese)

"Niagara Hot Water," Heated without Water Pressure Reduction

Heat Pump Water Heater

Hitachi Eco Cute

Niagara Hot Water

This is a natural refrigerant (CO₂) heat pump water heater that employs a tap water direct pressure method, which does not reduce water pressure when water is heated. With this method, the water heater realizes a powerful shower with 2.9 times more pressure than conventional products. It can also provide about 1.6 times more volume of hot water even when hot water is supplied in two ways.

The new heat pump unit employed in this product achieves a 3.3 annual performance factor of hot water supply (APF). which represents about a 6% increase from our conventional products.* *Comparison with BHP-F37FII

The natural refrigerant CO2 with a global warming potential of 1 is used.

BHP-F37FC

This heater's noise level is 38dB, the lowest in the industry











Environmental Report 09 08 Enviromental Report

Independent Operation Normally Equipped for All Capacity Models, First in the Industry

Packaged Air Conditioner for Stores

Hi Inverter IVX Series

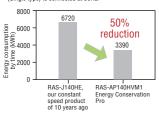
Energy Conservation Pro

The independent operation series have been expanded to include small capacity models (Models 40 and 60). Spot operation made possible by the independent system saves energy.

Existing piping, breakers, and wiring can

Energy consumption by time was reduced approximately 50% by improving low speed operation capability of the compressor and optimizing freezing cycle control.

*When Tenkase (Ceiling Cassette) Four Direction (Single type) is connected at 50Hz.



R-410A, a new refrigerant that does not harm the ozone layer is used.

COP*1 14.0 or More of Cooling/Heating Average Achieved by All Models

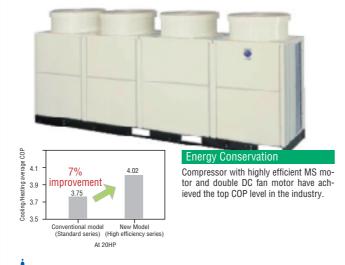
Multi-Air Conditioner for Buildings

Set Free iZ

High Efficiency GS Series

This multi-air conditioner for buildings has realized high efficiency with a compressor that utilizes a highly efficient MS motor*2 combining a guidance motor and a magnet motor.

*2 MS motor···Magnetic Synchronous motor: self-starting, permanent magnet, synchronized motor





www.hitachi-ap.co.jp/products/ business/ac/building (Only in Japanese)

Industry's Top-Level COP4.1/3.8 on Cooling/Heating Average

Air-Cooled Heat Pump Type Screw Chiller

AP1 Series

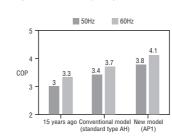
(High Efficiency Model)

Excellent energy savings have been achieved by employing a larger heat exchanger on the air side, newly-developed fan, optimized freezing cycle and so forth. The air side heat exchanger with purely-air, non-water refrigerant brings about the industry's top COP (Coefficient of Performance).

Energy Conservation

The multi-phased heat exchanger improves heating COP, and realized industry's top

* (In 100HP 50/60Hz rated operation)







www.hitachi-ap.co.jp/products/business/ac/chiller (Only in Japanese)

Total System for Stable Temperature Management in Chiller and Freezer

Inverter Scroll Cooling System

Inverter Scroll Cooling System

This is a systematic cooling device for business food storage chillers and freezers. It is comprised of an inverter scroll chiller, unit cooler, and high performance controller. The optimized control realizes energy conservation and stable temperature management in chillers and freezers.

The systematically optimized control function reduces power consumption by 25% compared with our conventional constant speed model.*

* 4.5kW (6HP) Comparison on system basis





·www.hitachi-ap.co.jp/products/business/low/cooling (Only in Japanese)

Reduced Cost and Installment Term by Maximizing Reusable Parts

Packaged Air Conditioner for Equipment

Renewal Pro

The high efficiency inverter scroll compressor used in the inside unit and other measures improve energy saving features. Existing equipment can be used to shorten the term of construction.

Energy Conservation

Approximately 44% of energy consumption was reduced by the high efficiency inverter scroll compressor and other measures.

*Comparison with RP-AP280RHV, our constant speed 1993 product



RAS-AP 140 HVM1

·www.hitachi-ap.co.jp/products/business/ac/office (Only in Japanese)

Using side flow and remote control reduces product's weight by approximately

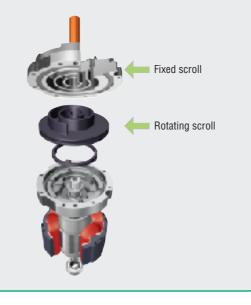
*Comparison with our separate type air cooling heat numn model 280 (10-horsenower equivalent)



www.hitachi-ap.co.jp/products/business/ac/equipment (Only in Japanese)

Scroll Compressor

Liquid and gas flow from high to low pressure. Making best use of this characteristic, the compressor compresses the refrigerant into high pressure, and then circulates it inside the air conditioner. More efficient compressor increases the cooling/heating capacity of the air conditioner, thereby conserving energy. There are, if broadly categorized, two types of compressors currently available, and the most advanced one is the scroll type compressor, which Hitachi Appliances was the first in the world to use in a packaged air conditioner in 1983. It smoothly rotates two spiral-shaped vanes, a fixed scroll and a rotating scroll, to simultaneously conduct the intake compression discharge processes to achieve high efficiency, low vibration, and low noise.



Considerably Improved COP in Winter and Other Seasons, Annual Average COP is 8

Centrifugal Chiller

HC-F-GX Series

(High Efficiency Model)

This is a centrifugal chiller that achieves compact size and high efficiency simultaneously using technologies such as a high performance heat exchanger and a high efficiency freezing cycle. It received the 25th Superior Energy Saving Machine Prize (Japan Machinery Federation Chairperson's Prize).

mprovement

(Compared with our 800RT conventional model

GX model

The "cooling water temperature control free mechanism," which maximizes the change in temperature among seasons, improves the annual average COP by about 40%, and reduces annual energy consumption by about 30%.

Ozone Laver Protection

Uses the refrigerant R-134a, which does



www.hitachi-ap.co.jp/products/ref_index.html (Only in Japanese)

World's Top COP of 1.35

* EXA model (Gas combustion (HHV standard), water refrigerant 15-7°C specification)

High Efficiency Gas Absorption Chiller-Heater

EX Series

A two-stage evaporation/absorption cycle, a high performance heat exchanger and other technologies are employed to realize high efficiency and compact size. Space and energy savings for buildings and factories have been realized. The product was selected for absorption green model.*

Technologies including a two-stage evaporation/absorption cycle and a high performance heat exchanger have increased the cooling efficiency by 35% compared with our conventional model

Environmental Protection

Employing non-fluorocarbon air conditioning that uses water as a refrigerant.

Co., Ltd.: Tokyo Gas Co., Ltd.: and Toho Gas Co. Ltd.) "Absorption type green system" was selected as a product which meets specific standards in terms of energy saving and eco-friendly materials while achieving an environmental impact reduction



About a 35%

improvement

Conventional model High efficiency mode

(Compared with our 800RT conventional model)



·www.hitachi-ap.co.jp/products/ref_index.html (Only in Japanese)

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Eco-Products and Their Technologies

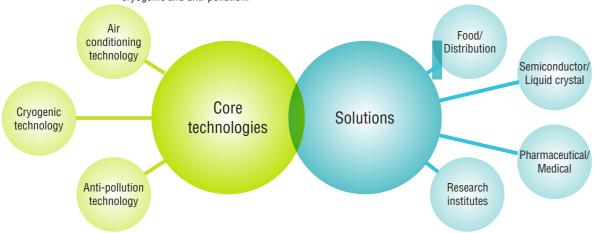


Cutting-Edge Energy Saving System through Systems Integration

Air Conditioning System Solution

Air Conditioning System Solution

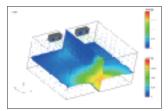
We provide system solutions tailored to individual fields such as food/distribution, semiconductor/liquid crystal, pharmaceutical/medical, and research institutes, based on our core technologies including those of air conditioning, cryogenic and anti-pollution.



roposed System Featuring Our Highly Efficient Equipment of the Top Level in the Industr

- ▶ Compressor with inverter
- ▶ Highly energy-efficient equipment

- Operation control optimization
- ▶ Waste thermal and water use
- Natural energy use



Study on comfortable air conditioning using air flow simulation I aminar flow type clean room facility

- Initial running cost reduction
- Elaborate on-site survey and execution plan
- Measures to address impacts on existing production lines

- Introduction of liquefaction cooling, ice thermal storage facility in refrigeration/freezing warehouse
- ▶ Electricity reduction (about 15% reduction)
- Running cost reduction



Award for Excellent Company Promoting Product Safety



2007 特殊元金小学院元工学

We received the gold prize in the "large manufacturer and importer category" of the "First (FY2007) Excellent Company Promoting Product Safety: Economy, Trade and Industry Minister Award." The award is given by the Minister of Economy, Trade and Industry to companies whose active, voluntary efforts for product safety are highly praised by consumers.

"Otoko-no Kaji Kentei (Housekeeping Exam for Men)"

On our home appliances website, you can take the "Otoko-no Kaji Kentei (Housekeeping Exam for Men)," and learn "housekeeping now" from trivia and know-how about housekeeping including cleaning, washing and cooking to the newest trends in home appliances. Recently, we have started the environment edition of the exam, which clearly and easily teaches energy saving housekeeping concepts, the latest energy saving appliances, and so forth.



oko-no Kaji Kentei (Housekee ing Exam for Men) website: tp://kadenfan.hitachi.co.jp/kajikent

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FY2007 Action Plan and Achievements

The planned actions and actual results for each item of the FY2007 Action Plan are compared with the targets. Targets for FY2010 have been set based on the Hitachi Group's "Stage 2 Environmental Strategy."

Eco-Mind & Global Environmental Management

We will create an advanced eco-mind and the power to transform ideas into action, and build/operate a global management and evaluation system.

Next-Generation Products & Services

We will continue to achieve innovations for highly competitive products and services that will contribute to the realization of a sustainable society, and deploy new business models accordingly.



Super Eco-Factories & Offices

We will thoroughly carry out activities for the prevention of global warming, and continue our efforts to promote recycling, and at the same time, to build up our bases with consideration for the environment.

Worldwide Environmental Partnerships

We will strengthen environmental communications, and actively endeavor to realize concrete partnerships with our stakeholders while clarifying our objectives and achievements

Attained

△: Improvement effort required Achievement EV2010

Category/item	Actio	n plan	FY2007 target	FY2007 results	level	FY2010 target
Eco-Mind & Glob	al Environmental Manage	ement				
Activity	Increase GP (Green Points) in the "GREEN 21" Activity		768GP	952GP	0	1280GP
Education	Increase the percentage of r Group standard education (Increase the percentage of recipients for the Hitachi Group standard education (environmental e-learning)		94%	0	90%
Next-Generation	Products & Services (Pr	oviding Eco-Friendly Pr	oducts)			
Products	Expand eco-products	Home appliances	85%	98%		100%
	(Registration ratio)	Commercial use air conditioners	70%	72%	©	75%
1100000	Develop super eco-products		One product registration	10 products, 38 models registered	0	One product registration
	Increase recycled plastic use ratio (basis: FY2000)		10% increase	10% increased	0	20% increase
Super Eco-Factor	ries & Offices (Eco-Cons	cious Works) [Japan]				
Prevention of Reduce CO ₂ emissions in pro		oduction (basis: FY1990)	7% reduction	48% reduced	0	7% reduction
Global Warming	Reduce transportation energy basic unit (basis: FY2006)		1% reduction	2% reduced	0	4% reduction
Effective use of resources	Reduce waste generated from factories (basis: FY2000)		14% reduction	17% reduced	0	20% reduction
Chemical substances management	Reduce VOC ^{*2} atmospheric emissions from factories (basis: FY2000)		42% reduction	69% reduced	0	45% reduction
Worldwide Enviro	onmental Partnerships ((Communication with Sta	akeholders, So	cial Action Program)		
Environmental communication	Pursue communication with (customers, administrative a business partners, citizens)		-	Exhibition participation Expansion of appeal of "Keeping on Hitachi" on our website	0	-
Global citizen activities	Promote social action progr volunteer activities and enco actively participate in comm		-	 Promotion of the team minus 6% activities Interaction with local citizens, clean-up activities, factory tours by elementary schools 	0	-
1 Hitachi Group's standard	self-evaluation system developed for co	itinuous efforts and improvement in e	nvironmental	※2 VOC···Volatile Organic Compounds, a general term for highly evaporat	ive organic compo	unds such as toluen

Hitachi Appliances Action Guidelines for Environmental Conservation

These guidelines set forth Hitachi Appliances' action for addressing environmental conservation in relation to its business activities based on the "Hitachi Appliances Group Standards of Corporate Conduct."

In order to realize an environmentally harmonious and sustainable society through products and services, Hitachi Appliances is committed to fulfilling its social responsibilities by promoting globally-applicable "MONOZUKURI" (designing, manufacturing, or repairing of products), which is aimed at reducing the environmental burden of products throughout their entire life cycle, and ensuring environmental conservation

- 1. Global environmental conservation is a critical challenge shared by all humans. Hitachi Appliances is committed, therefore, to fulfilling its responsibilities by assisting in the realization of an environmentally harmonious and
- sustainable society as one of its management priorities.

 2. Hitachi Appliances will make efforts to contribute to society by developing highly reliable technologies and production processes, while identifying needs considering concerns related to global environmental conservation
- 3. Members of the board in charge of environmental conservation are responsible for facilitating appropriate environmental conservation activities. Departments responsible for environmental conservation should endeavor to promote and ensure environmental conservation activities, including improving environment-related rules and regulations and setting goals for environmental burden reduction. These departments should also confirm that their environmental conservation activities are conducted in a proper manner and ensure that these activities are maintained and improved.
- maintained and improved.

 A Hitachi Appliances will promote globally-applicable "MONOZUKURI" with the aim of reducing environmental burden at every stage, including product research and development, design, production, distribution, sales, usage,
- 5. Hitachi Appliances will investigate and review the environmental impact caused over the course of its "MONOZUKURI" processes. Hitachi Appliances will also introduce excellent technologies and materials useful to
- safeguard the environment, in other words, to reduce environmental burdens through energy and resource saving,
- chemical substance management, recycling, and other measures.

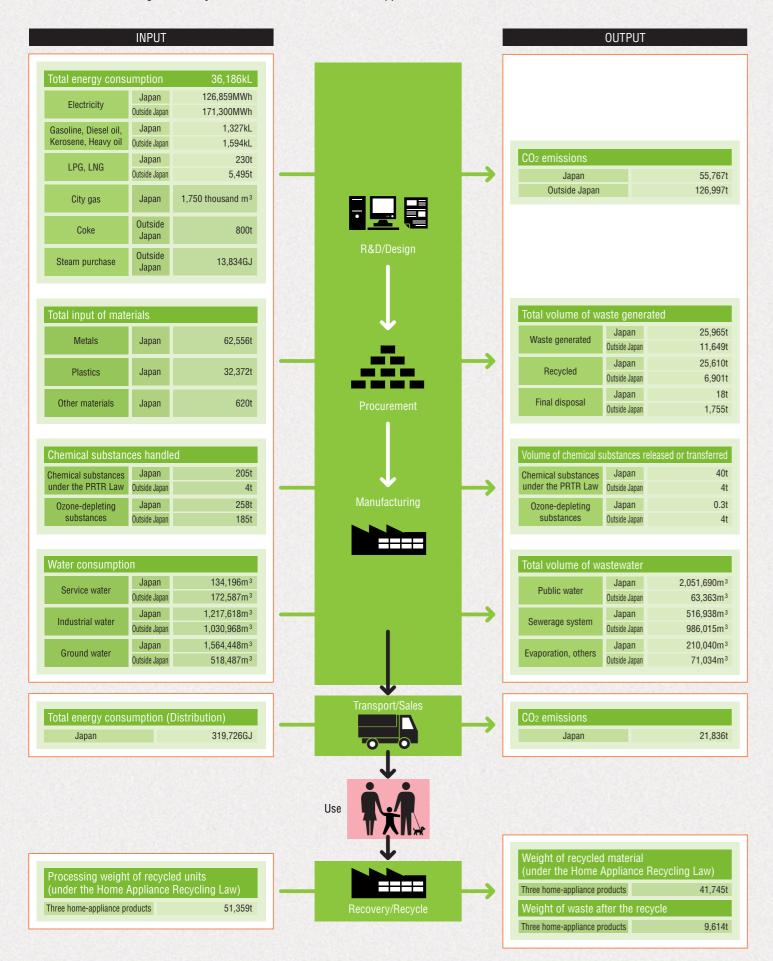
 6. Hitachi Appliances' environmental conservation efforts are not to be exclusively focused on observing international environmental regulations and those of national and local governments, but also on conserving the environment by implementing voluntary environmental standards when necessary.
- Regarding globally-applicable "MONOZUKURI" activities, impact on the local environment and cor be considered. In addition, measures that meet local communities' requests should be implemented
- Hitachi Appliances will educate its employees on the observance of environment-related laws, raise their environmental awareness, and encourage their interest in society at large and broad-based environmental conservation activities.
- 9. Hitachi Appliances will evaluate potential environmental issues and do its utmost to prevent them. In the event that ental incident occurs, Hitachi Appliances will take appropriate measures to minimize the impact on the
- 10. Hitachi Appliances will make efforts to disclose information on its environmental conservation activities to the relevant stakeholders. Hitachi Appliances will also actively communicate with these stakeholders so as to strengthen mutual understanding and forge cooperative relationships with them.

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HACCP (Hazard Analysis and Critical Control Point): Food hygiene and safety management system based on the concept

Environmental Impact by Business Activity (FY2007)

This shows the FY2007 data for the amount of resources input and the environmental load generated by the business activities of Hitachi Appliances.



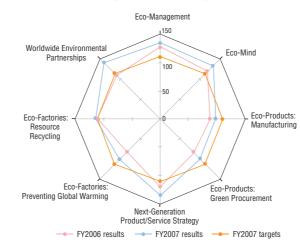
Eco-Mind & Global Environmental Management

If environmental activities are to achieve a firm objective, it is essential to establish more concrete and effective targets. By setting up an eco-management system and fostering eco-consciousness among individual workers in their respective positions, workers can be motivated to pursue more positive actions, paving the way for substantial achievements.

GREEN 21 Activities

The Hitachi Group evaluation system GREEN 21 assesses a roadmap to the target achievement year, the content of targets, and the progress of continuous efforts and improvements in environmental activities. The status of activities is evaluated on a scale of 0 to 5, with Level 4 designated as the target level for FY2010 in the Hitachi Group Environmental Activities Plan. The evaluation for FY2007 was scored as 955GPs (Green Points), which exceeds the 896GPs target.

■Green Point Average: Results and Targets



■Evaluation items (8 categories/56 performance indicators)

Main contents of evaluation
Action plan, environmental accounting, risk management
Employee training and education
Eco design management system, eco products, management of product chemical content
Green procurement, green purchases
Business and product strategy, sustainable business, publicity
Energy saving at production factories, environmentally responsible distribution
Waste reduction, chemical substance management
Information disclosure, communication, global citizen activities

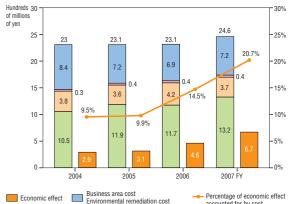
Environmental Accounting

Recognizing environmental activities as one of the key elements of our management, we introduced an environmental accounting system in FY2001. We disclose the cost of environment preservation activities, and the economic and physical effects in the form of environmental management information. We aim to let others gain an understanding of our perspective toward the environment.

In FY2007, expenses were about ¥2.5 billion, which represented a 6.2% increase over the previous year. Approximately 54% of these expenses were "research and development costs" to reduce the environmental impact of our products.

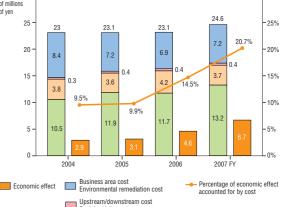
The economic effect of energy-saving and resourcesaving was about ¥0.7 billion, or equivalent to 20.7% of the expenses, which was a 45.6% increase over the previous year.

■ Change in Cost and Effect



Cost	Business area cost	Environmental impact reduction facilities maintenance/management cost, depreciation cost
	Upstream/downstream cost	Green procurement cost, product & packaging recovery/recycling cost, recycling cost
	Administration cost	Environmental management labor cost, environmental management system
	Research and development cost	Product/manufacturing process, environmental impact reduction research & development and product design cost
	Social activities cost	Greening/beautification and other environmental improvement, PR/publicity cost
	Environmental remediation cost	Environment-related measures and contribution charges

Administration cost Research and development cost



■ Costs

	Business area cost	Environmental impact reduction facilities maintenance/management cost, depreciation cost
	Upstream/downstream cost	Green procurement cost, product & packaging recovery/recycling cost, recycling cost
	Administration cost	Environmental management labor cost, environmental management system
Cost	Research and development cost	Product/manufacturing process, environmental impact reduction research & development and product design cost
	Social activities cost	Greening/beautification and other environmental improvement, PR/publicity cost
	Environmental remediation cost	Environment-related measures and contribution charges

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Next-Generation Products and Services

To reduce the environmental impact at each stage of the product lifecycle. Hitachi Appliances is actively taking measures such as energy saving, efficient utilization of resources, chemical substances reduction, and conversion to new refrigerants that have an ozone depletion potential of zero.



Development of Eco-Products

The Assessment for DfE (Design for Environment) is incorporated into product development to reduce the environmental impact at each stage of the "product lifecycle" from resource mining to disposal and recycling.

Improvements to existing models for a total of eight criteria including resource reduction, product longevity, resource recycling and ease of decomposition are assessed. and products that meet the standard are designated as "Eco-Products." In FY2007, 14 products comprising 201 models were designed as "Eco-Products." which accounts for 95% of the total number of registered products.

In addition, we are expanding "Super Eco-Products," which are designated from among the "Eco-Products" when they meet at least one of the following criteria: (1) their "Environmental Efficiency"—an indicator for added value of products and services based on a reduction in greenhouse gas emissions and resource consumption—is at least 10-times that of conventional products; (2) they have the top environmental performance in the industry; (3) they are highly regarded among external independent evaluators. In FY2007, 10 products comprising 38 models including refrigerator, air conditioner, washer-dryer, vacuum cleaner and chiller unit were designated as "Super Eco-Products."



www.hitachi.com/environment/activities/ecoproducts.html



Distribution of Environmentally Conscious Product Information

Hitachi Appliances provides information on specific environmentally conscious points along with the eco marks in media such as home appliances catalogs and websites for easy-to-understand environmental information relating to Eco-Products. This promotes greater customer understanding of the environmentally conscious measures that have been taken for the product.

■Example of environmental information in a catalog (washing machine)



Environmentally Conscious Points

- Uses electroplated steel sheet containing no chromium compounds
 Recycled plastic is used in the outer tank, etc.
- CO Lead-free solder is used in the printed circuit board.
- **■**Example of environmental information in "Environmental Efforts" of our website
- List of Eco-Products
- Examples of environmentally conscious points
- List of products with J-Moss Green Mark

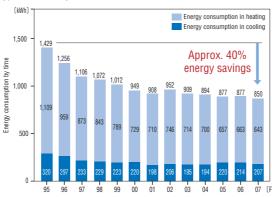
Energy Conservation Activities

Given that the majority of the environmental burden in a product lifecycle comes from the energy consumed during the use of the product, product energy conservation is an important product development theme. Hitachi Appliances is actively working to reduce the energy consumption of products during operation and in standby. These activities include the development of many energy saving technologies, such as "PAM control," "high efficiency compressors," and "vacuum insulation panel" used in refrigerators and air conditioners to achieve energy conservation performance that is at the top level of the

The current energy-saving air conditioner of the 2.8kW class has reduced energy consumption by about 40% compared with our conventional model 12 years ago.

■Energy savings in room air conditioners

Typical energy saving model (for both cooling and heating, wall-hung



As for packaged air conditioners for stores and offices, various technologies have been introduced for energy savings. In the 1990s, compressors and heat exchangers were made more efficient. In the 2000s, inverters were built-in compressor operation, and the electric current for compressors and fan motors was changed to direct current. As a result, compared with our products 15 years ago, COP on cooling/heating average has improved by about 45%, and energy consumption by time has been reduced by about 50% (in case of RCI-AP140HVM1 with 5HP equivalent ceiling cassette)

■Energy savings in packaged air conditioners for stores and offices





Management of Product Chemical Content and J-Moss Compliance

Hitachi Appliances has formulated "Environmental CSR Compliant Monozukuri Standards," and designated 13 prohibited substances*1 and 12 controlled substances*2 to be regulated. A survey is conducted on procured materials for production, from components of a product to onsite materials that might be mixed into a product, to determine the existence and amount of the designated substances. The survey data is managed centrally in an onsite database and shared.

- Cadmium ② Hexavalent chromium ③ Lead ④ Mercury ⑤ TBTO ⑥ PBB ⑦ PBDE ⑧ PCB
- & pigments (3) Ozone layer depleting substances (Class I)
- 12 controlled substances

 ① Antimony ② Arsenic ③ Beryllium ④ Bismuth ⑤ Nickel ⑥ Selenium ⑦ Bromic flame retarders ⑥ PVC ③ Phthalate ester ⑩ TBT & TPT ⑪ Ozone layer depleting substances (Class II)

In compliance with J-Moss*3 which requires the management and information disclosure of six chemical substances-namely, lead, mercury, cadmium, hexavalent chromium. PBB (polybromobiphenyl) and PBDE (polybromodiphenyl ether)—the replacement of the six chemical substances has been undertaken, and the "J-Moss Green Mark" has been labeled on refrigerators, air conditioners, washing machines, clothes dryers and microwave ovens. Our response to the J-Moss Green Mark is disclosed on our website.



- JIS C 0950 "The marking of presence of the specific chemical substances for electrical and electronic
- The ministry-level ordinance to implement the Law for the Promotion of Effective Utilization of Resources obliges its labeling.



www.hitachi-ap.co.jp/company/environment/kankyo/jmoss

■Example of environmental information on the website (refrigerator)

	R-300000	E-9750008	1-577310M	X-1950304	8/68/452M	R-5400M
	8-974/3/9	R-SHAM.	P-SE24404	8-27-49/919	B0042536	N-SNWM
	R-848VM	9-50WM	9-245	8-/W5	BCBJ7VMV	R-8994VM
	R-SECVOL	B-SITVM	BAFINIPAM	B-SPIZVM	RSGVit	R-SPIEVE-34
	8-540VPA3r	B-SIVMY	B-31VMV	8-126VMV	RISSVS	R-23fA
	B-ISVWT	B-IIVA	B-SVP	2-1944V3E	R54WIE	R-541V
	8-85-21V 8-8399LV	KISZYKM	B-CP42/PAM	8-014004	BC9413M	R. BESSYL?

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Activities to Protect the Ozone Laver and Prevent Global Warming

The refrigerant used in air conditioning products has been converted from HCFC (hydrochlorofluorocarbon) refrigerants, which destroy the ozone layer, to HFC (hydrofluorocarbon) refrigerants, which have an ozone depletion potential of zero. In refrigerators, the Company has converted to using the non-fluorocarbon refrigerant R-600a (isobutane), which has a global warming potential of 3, and non-fluorocarbon refrigerant is applied to all units produced domestically. In addition, the Companv has switched to using the natural refrigerant CO₂. which has a global warming potential of 1, in heat pump water heaters, and is broadening this lineup.

Resource Conservation in Product Use

Recognizing that energy is consumed to produce the tap water we use in our homes. Hitachi Appliances is working to conserve water while washing clothes.

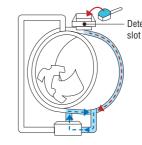
In addition to the water saving technologies such as the "bathwater pump" that uses residual bath water in washing and stepless water level function, the "Beat Wash" water-saving type washer-dryer that uses our unique beat washing and high density detergent recycling system went on sale in 2004, and the bathwater pumping function was modified to cover the drying

In 2007, we developed the "two-way circulation pump" and the "nano-micell shower" employed in the drum type washer-dryer BD-V2, which reduced detergent use by about 40% and tap water use by about 90% compared with our model in 2002.

■2-way circulation pump

1. Dissolve detergent well

2. Even distribution of detergent



Nano-micell

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Recycling of Home Appliances

The Home Appliance Recycling Law (Law for Recycling of Specified Kinds of Home Appliances) was put into effect in April 2001. Hitachi Appliances established the Kanto Eco Recycling Co., Ltd., a home appliance recycling plant within Tochigi Works, and has been recycling the specified four kinds of used home appliances.

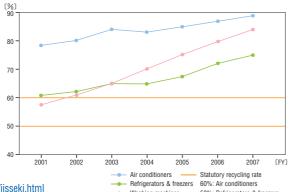
This is the only recycling plant in the country that is integrated with a manufacturing plant, and the processing know-how obtained from this plant is incorporated into the production process, for example, in the design of products that are easily dismantled and separated.

In FY2007, we recycled 51,359 tons in total of three specific home appliance products excluding CRT televisions, resulting in an 81% product recycling rate.

■FY2007 recycling results for 3 used home appliance products

Item	Air conditioners	Refrigerators & freezers	Washing machines
Number of units recycled (units)	208,271	386,755	641,810
Processing weight of recycled units (t)	8,610	22,187	20,560
Weight of recycled material (t)	7,732	16,654	17,358
Recycling rate (%)	89	75	84

■Changes in the recycling rate of 3 used home appliance products

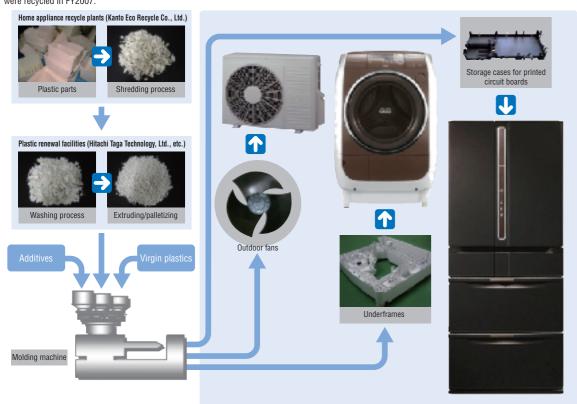


·www.hitachi-ap.co.jp/company/environment/kankyo/recycle_kaden/jisseki.html

(Only in Japanese)

Closed-loop Recycling of Plastics

The plastic surfaces of used home appliances are often in poor condition due to usage. We have established technologies to improve the quality of used plastics through blending virgin plastic, ultraviolet [UV] absorber for weather resistance improvement, antioxidant for heat resistance improvement and color pigment, and constructed a renewal facility at Hitachi Taga Technology, Ltd. within Taga Works. In the renewal process, we select a tensile elongation trait, one of the most affected mechanical traits of plastics, as a criterion. The "closed-loop recycling," which reuses plastics collected at home appliance recycle plants for underframes of washing machines and other purposes, has been in operation since 2002, and we are expanding its coverage: 1,160 tons



Super Eco-Factories & Offices

Hitachi Appliances manufactures a line of products incorporating various environmental measures at manufacturing points that give maximum consideration to global warming, energy conservation, zero emission, and other environment preservation measures.

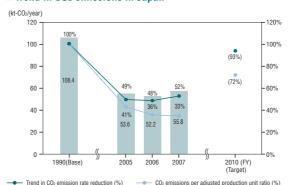
arrhoGlobal Warming Prevention

Next-Generation Products and

Services

To achieve Japan's target under the Kyoto Protocol to reduce CO2 emissions by 6% (compared with 1990 levels), we have identified two targets for CO₂ reduction. One is a 7% CO₂ reduction (compared with 1990 levels) by FY2010, and the other is the target set forth in the voluntary action plan of the four electrical and electronics-related associations. In FY2007, although production increased, we still achieved a CO2 emissions reduction of 48.5% compared with 1990 levels. CO2 emissions per adjusted production unit were reduced by 67% compared with 1990 levels, an improvement of 3% from FY2005 (base year: 1990).

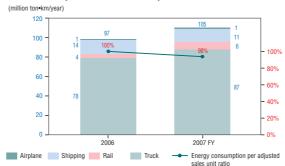
■Trend in CO₂ emissions in Japan



arrhoBoosting Transportation Efficiency

As the designated shippers of the Amended Energy Conservation Law enacted in April 2006, we are pursuing CO₂ emissions reductions in transportation by increasing the loading effectiveness, implementing a modal shift to rail transport*3 and other measures. Although the transport amount for FY2007 was about 8% more than FY2006 due to increased production, energy consumption per adjusted sales unit improved by about 2%.

■ Total transported amount in Japan



${\mathscr D}$ Efficient Utilization of Resources

The Company is working toward the target of a 20% reduction over the FY2000 level by FY2010, by pursuing efficiency of resources and an elimination of unnecessary waste during the production process. In FY2007, the total generated amount was a 17% reduction from FY2000.

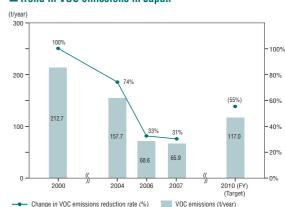
■Trend in the waste generated in Japan



arrhoManagement of Chemicals

With the enactment of the Amended Air Pollution Control Act in April 2005, Hitachi Appliances proactively and voluntarily selected 41 types (xylene, toluene, methanol, etc.) of VOC, and has been working toward a 45% reduction of their emissions by FY2010 (compared with FY2000). In FY2007, a 69% reduction from the FY2000 value was achieved.

■Trend in VOC emissions in Japan

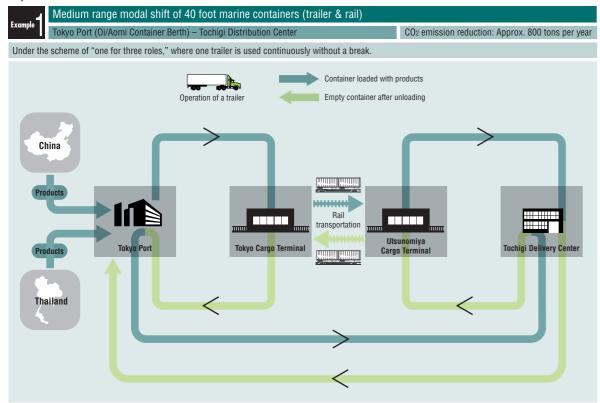


- *1 Zero emission...Approach to reduce the final disposal amount to zero by using waste as Hitachi definition: Current year's final disposal rate of 1% or less and final disposal amount
- *2 (adjusted production) = (nominal production)/(Bank of JapanÅfs Domestic Corporate Goods Price Index: Electric and Electronic Products)
- *3 Modal shift...Shift in artery cargo transportation from truck to rail/ship, which is eco-friendly
- *4 VOC···Volatile Organic Compounds

Environmental Collaboration with Stakeholders

In order to reduce CO₂ emissions during product transportation, we have partially shifted our transport method from truck to rail/ship. Rail/ship has a larger capacity, and the energy consumption of rail/ship transportation is smaller than that of truck transportation (about one-eighth for rail, about one-fourth for ship). However, on the other hand, rail/ship transportation has to be accompanied by terminal truck transportation, which requires trans-shipment. As such, we are combining these transport instruments in order to maximize the total energy saving.

Japanese Business Activities



Transporter: Hitachi Transport System, Ltd., Japan Freight Railway Company

m range modal shift of 20/40 foot containers mixed (trailer & rail

CO₂ emission reduction: Approx. 60 tons per year

The trailer chassis that is also used in Example 1 above is modified to fit both 20 foot and 40 foot containers, thereby improving efficiency. (FY 2007 Green Logistics Partnership Promotion Program)

Transporter: Hitachi Transport System, Ltd., Japan Freight Railway Company

Products are transported in 5 ton containers, by rail between Utsunomiya Cargo Terminal and Hiroshima or Fukuoka Cargo Terminal. Racks to carry three, 5 ton containers at once have been introduced to 40 foot marine container trailers used for transportation to and from the cargo stations. (Project certified in "FY2003 Demonstrative Test toward Transportation System with Less Environmental Load" by the Ministry of Land, Infrastructure, Transport and Tourism)

Transporter: Hitachi Transport System, Ltd., Japan Freight Railway Company

CO₂ emission reduction: 400 tons per year

Rail transport with 31 foot containers, using the "Super Green Shuttle" train of Japan Freight Railway Company between Tokyo Cargo Terminal and Ajikawaguchi Station, between Tokyo Cargo Terminal and Fukuoka Cargo Terminal, as well as between Sumidagawa Station and Sapporo Cargo Terminal.

Transporter: Oji Transportation Co., Ltd., Japan Freight Railway Company

Environmental Collaboration with Stakeholders

Hitachi aims to work together with customers, local communities, suppliers, employees, and other stakeholders to "create a sustainable society," and is providing information and holding dialogue in a variety of forms to this end.

Super Eco-Factories Qο

Offices

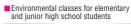
As one aspect of its activities to contribute to the global environment, the Company holds cleanup activities around its Shimizu, Tochigi, and Taga Works and along the coast.

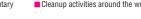
In particular, the Company has continuously held the Taga Improvement Association cleanup activity for the Kawarago Swimming Beach (Hitachi City, Ibaraki Prefecture) for more than 40 years since 1965.

In addition, headquarters holds environment classes for elementary and junior high school students, where participants study such topics as the global warming problem and the environmentally conscious aspects of the Company's products, to promote environment-related discussion across generations.

We are also making efforts to bring up competitive overseas environmental protection industries. For example, at the Taipei World Trade Center Exhibition Hall of Taiwan, we organized the "2007 Meeting on Technologies for Environmental Protection Products" and the "2007 Taipei International Energy, Environmental Protection and Water Show 2007," where Hitachi Appliances demonstrated its products and held seminars.

Participation in Exhibitions









Exhibition at the 2007 Meeting on Technologies for Environmental Protection Products

Seminar at the 2007 Meeting on Technologies for Environmental Protection Products





■Eco Products International Fair 2008





■Eco Products 2007

■HVAC&R Japan 2008



■ENEX2008 (Energy & Environment Exhibition 2008) (January 2008)

In FY2007, Hitachi Appliances, as a Hitachi Group com-

pany, participated in the following exhibitions, and show-

cased its commitment to the environment.

www.hitachi-ap.co.jp/company/environment/kankyo/activity/exhibition.html (Only in Japanese)



The energy saving performance and environmentally conscious designs of Hitachi Appliances' products have

		been nighty praised.	
Award name		Award-winning product	Month and year of award
Energy Conservation Grand Prize for	Chairman Prize of ECCJ	Freezer Refrigerator "Vacuum Chilled to Keep Foods Fresh," "Middle-Positioned Freezer" series (eight models including R-X6000)	January 2008 (18th)
Excellent Energy Conservation Equipment	Chairman Prize of ECCJ	Room Air Conditioner "Mist Deodorizing, Stainless Steel Clean Shirokumakun" (four models including RAS-S40X2)	January 2008 (18th)
2007 Shougakukan DIME Trend Prize	"Lifestyle/Health category" Category Prize	Drum-Type Washer-Dryer "Big Drum with Wind Iron"	November 2007
2007 Nikkei Superior Product and Service Prize	Prize for Excellency, Nikkei Business Daily Prize	Drum-Type Washer-Dryer "Big Drum"	February 2008

[Energy Conservation Grand Prize for Excellent Energy Conservation Equipment] (Sponsor: Ministry of Economy, Trade and Industry, Organizer: The Energy Conservation Center, Japan Trade and Industry) Honors equipment and systems for living (including parts and materials) with excellent energy saving performance.

[Energy Conservation Grand Prize for Excellent Energy Conservation Equipment] (Sponsor: Ministry of Economy, Trade and Industry, Organizer: The Energy Conservation Center, Japan Trade and Industry) ors equipment and systems for living (including parts and materials) with excellent energy saving perform

[Nikkei Superior Product and Service Prize] (Sponsor: Nikkei Inc.) Honors annually superior new products and services of the year



www.hitachi-ap.co.jp/company/environment/kankyo/activity/commendation.html (Only in Japanese)

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(Air Conditioning System Group)

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Hitachi Europe GmbH (Air Conditioning Division)	Am Seestern 18, Postfach 11 05 36, D-40547 Düsseldorf, Germany TEL:49-211-5283-000 FAX:49-211-5283-669
Hitachi Europe S.A.S. (Air Conditioning and Refrigeration Systems Group)	18 rue Grange Dame Rose, 78148 Vélizy CEDEX, France TEL:33-1-34630535 FAX:33-1-34653431
Hitachi Europe S.r.I.	Via T.Gulli, 39, 20147 Milano, Italy TEL:39-02-487861 FAX:39-02-48786381/39-02-48786382
Hitachi Europe S.A.	Gran Via Carlos III, 86. Planta5, Edificios Trade-Torre Este, 08028 Barcelona Spain TEL:34-93-4092550 FAX:34-93-4901863
Hitachi Europe S.A.	364 Kifissias & 1 Delfon Str., 152 33 Chalandri Greece TEL:30-1-6837200 FAX:30-1-6835694
Hitachi Asia, Ltd.	16 Collyer Quay, #20-00, Hitachi Tower, Singapore 049318 TEL:65-538-6511 FAX:65-538-9011
Hitachi Home Electronics Asia (S) Pte Ltd.	438A Alexandra Road #01-01/02/03, Alexandra Technopark, Singapore 119967 TEL:65-6536-2520 FAX:65-6536-2521
Hitachi Sales (Malaysia) Sdn. Bhd.	Lot 12, Jalan Kemajuan, Bangi Industrial Estate, 43650 Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia TEL:60-3-8926-4168 FAX:60-3-8926-3013
Hitachi Sales (Thailand), Ltd.	994, Soi Thonglor Sukhumvit 55 Rd., Klongtonnua, Vadhana, Bangkok, 10110, Thailand TEL;66-2-381-8381-98 FAX:66-2-381-9520
PT. Hitachi Modern Sales Indonesia	Wisma Slipi 12th Floor, Jl. Let. Jend. S. Parman Kav. 12, Jakarta 11480, Indonesia TEL:62-21-5307211 FAX:62-21-5481883
Hitachi Asia, Ltd. (Ha Noi Office)	6th Floor Sun Red River Bldg. 23, Phan Chu, Trinh Street, Hoan Kiem District, Ha Noi, Vietnam TEL:84-4-9333123 FAX:84-4-9333125
Hitachi Asia Ltd. (Ho Chi Minh City Office)	8th Floor The Landmark, 58 Ton Duc Thang Street, Dist. 1, Ho Chi Minh City, Vietnam TEL:84-8-8299-725 FAX::84-8-8299-729
Hitachi Home & Life Solutions (India), Ltd.	Hitachi Complex, Karan Nagar, Kadi, Dist. Mehsana - 382727 Gujarat, India Tel:91-02764-277571 Fax:91-02764-233425
Hitachi Air-conditioning Systems (Hong Kong) Co., Ltd.	Room 702-3, 7/F, Wharf T & T Centre, Harbour City, Canton Road, Tsimshatsui, Kowloon, Hong Kong, China TEL:852-3620-2138 FAX:852-2737-2292
Shanghai Hitachi Household Appliance Co., Ltd.	29F Tower B, City Center of Shanghai, 100 Zunyi Road, Shanghai 200051, China TEL:86-21-5178-2188 FAX:86-21-5178-2100
Hitachi (China), Ltd.	18/F., Beijing Fortune Bldg., 5 Dong San Huan Bei-Lu, Chao Yang District, Beijing 100004, China TEL:86-10-6590-8111 FAX:86-10-6590-8110
Hitachi Sales Corporation of Taiwan	2nd.Floor, No.65, Nanking East Road, Section 3, Taipei, 104 Taiwan TEL:886-2-2516-0500 FAX:886-2-2516-0512
Hitachi (Hong Kong), Ltd.	18/F, Ever Gain Centre, 28 On Muk Street, Shatin, N.T., Hong Kong, China TEL:852-2113-8883 FAX:852-2783-8535
Hitachi Australia, Ltd.	Level 3, 82 Waterloo Road, North Ryde, N.S.W. 2113. Australia TEL:61-2-9888-4100 FAX:61-2-9888-4188
000 Hitachi Home Electronics (RUS)	4th Floor (Right), bld. 2, 23, Trubnaya str., Moscow, 127051 Russia TEL:7-495-789-8460 FAX:7-495-789-8461

Technical Training Centers

Hitachi, Ltd., Gulf Office

Technical Training Center (Shimizu)	390, Muramatsu, Shimizu-ku, Shizuoka City, Shizuoka 424-0926 Japan TEL: 81-54-335-4320
Technical Training Center (Kyushu)	9-17, Shimizu 4-chome, Minami-ku, Fukuoka City, Fukuoka 815-0031 Japan TEL: 81-92-561-4854
Service Technical Training Center (Tochigi)	800, Tomita, Ohira-machi, Shimotsuga-gun, Tochigi 329-4493 Japan TEL: 81-282-43-1122

TEL:971-4-8831183 FAX:971-4-8831182

SC-05, Near R/A 12, Jebel Ali Free Zone, P.O.Box 18008, Dubai, United Arab Emirates

Technical Support Center Tel. 0120-578-011 (availabel only in Japan)

Air Conditioning Repair Call Center Tel. 0120-649-020 (availabel only in Japan)

Sales Divisions, Branches, and Marketing Offices (Air Conditioning System Group)

	International Operation Division	New Pier Takeshiba South Tower, 16-1, Kaigan 1-chome, Minato-ku, Tokyo 105-0022 Japa TEL: 81-3-6403-4541
	Large Tonnage Chiller Sales Division	New Pier Takeshiba South Tower, 16-1, Kaigan 1-chome, Minato-ku, Tokyo 105-0022 Japa TEL: 81-3-6403-4500
	Hokkaido Marketing Branch	Oda Bldg., 10-1, Kita Kujo Nishi 3-chome, Kita-ku, Sapporo City, Hokkaido 060-0809 Japan TEL: 81-11-717-5301
	Kitanihon Branch Office	Ookiaoba Bldg., 9-7, Futsuka-machi, Aoba-ku, Sendai City, Miyagi 980-0802 Japan TEL: 81-22-266-1321
	Fukushima Marketing Branch	5-15, Midori-machi, Koriyama City, Fukushima 963-8023 Japan TEL: 81-24-921-5550
	Kanto Branch Office	New Pier Takeshiba South Tower, 16-1, Kaigan 1-chome, Minato-ku, Tokyo 105-0022 Japa TEL: 81-3-6403-4510
	Hokuriku Branch Office	627-3, Kurosaki, Toyama City, Toyama 939-8214 Japan TEL: 81-76-429-4051
	Chubu Branch Office	Sakae Center Bldg., 13-20, Sakae 3-chome, Naka-ku, Nagoya City, Aichi 460-0008 Japan TEL: 81-52-251-0371
	Kansai Branch Office	OX-Nishihonmachi Bldg., 10-10, Nishihonmachi 1-chome, Nishi-ku, Osaka City, Osaka 550-0005 Japan TEL: 81-6-6531-9111
	Chushikoku Branch Office	Sonpo Japan Hiroshima Otemachi Bldg., 2-31, Otemachi 3-chome, Naka-ku, Hiroshima City, Hiroshima 730-0051 Japan TEL: 81-82-240-6151
	Shikoku Marketing Branch	Hanazono Bldg., 1-5, Hanazonocho 1-chome, Takamatsu City, Kagawa 760-0072 Japan TEL: 81-87-833-8701
	Kyushu Branch Office	9-17, Shimizu 4-chome, Minami-ku, Fukuoka City, Fukuoka 815-0031 Japan TEL: 81-92-561-4851
	Air Conditioning System Division	OX-Nishihonmachi Bldg., 10-10, Nishihonmachi 1-chome, Nishi-ku, Osaka City, Osaka 550-0005 Japan

Hitachi Consumer Marketing, Inc. [Home Appliance Group]

Head Office	Hitachi Atago Bldg., 15-12, Nishi Shimbashi 2-chome, Minato-ku, Tokyo 105-8413 Japan TEL: 81-3-3502-2111
Hokkaido Branch Office	1-10, Higashi Sapporo Nijyo 4-chome, Shiraishi-ku, Sapporo City, Hokkaido 003-0002 Japan TEL: 81-11-833-1600
Tohoku Branch Office	1-45, Ougi-machi 1-chome, Miyagino-ku, Sendai City, Miyagi 983-0034 Japan TEL: 81-22-782-1211
Kanto Branch Office	Hitachi Kaden Ueno Bldg., 7-5, Higashi Ueno 2-chome, Taitou-ku, Tokyo 110-8641 Japan TEL: 81-3-3834-8511
Tokyo Branch Office	Hitachi Kaden Ueno Bldg., 7-5, Higashi Ueno 2-chome, Taitou-ku, Tokyo 110-8641 Japan TEL: 81-3-3834-8111
Chubu Branch Office	Daiichi Fuji Bldg., 35-16, Daikan-Cho, Higashi-ku, Nagoya City, Aichi 461-0002 Japan TEL: 81-52-932-5701
Kansai Branch Office	Edobori Fukoku Seimei Bldg., 6-33, Edobori 2-chome, Nishi-ku, Osaka City 550-0002 Japan TEL: 81-6-6448-5200
Chushikoku Branch Office	7-17, Kan'an Shin-machi, Nishi-ku, Hiroshima City, Hiroshima 733-0036 Japan TEL: 81-82-235-3711
Kyushu Branch Office	Hakata Watanabe Bldg., 7-18, Ten'ya-machi, Hakata-ku, Fukuoka City Fukuoka 812-0025 Japan

Affiliated Sales and Service Companies

TEL: 81-92-291-9131

Hitachi Air Conditioning	29-8, Toyotama-kita 5-chome, Nerima-ku, Tokyo 176-0012 Japan
Sales Kanto, Ltd.	TEL: 81-3-5999-1121
Niigata Hitachi Co., Ltd.	752-10, Takeooroshishinmachi, Higashi-ku, Niigata City, Niigata 950-0867 Japan TEL: 81-25-273-2211
Osaka Hitachi Reinetsu Co., Ltd.	Osaka Yanagiya Bldg. 6F, 2-5 Tokiwa-machi 2-chome, Chuo-ku, Osaka City, Osaka 540-0028 Japan TEL: 81-6-4792-2501
Kyushu Hitachi Air	25-29, Naka 6 chome, Hakata-ku, Fukuoka City, Fukuoka 812-0893 Japan
Conditioning Co., Ltd.	TEL: 81-92-502-2290
Kanagawa Hitachi Air Conditioning Co., Ltd.	35-12, Matsugaoka, Kanagawa-ku, Yokohama City, Kanagawa 221-0843 Japan TEL: 81-45-322-6621
Shizuoka Hitachi	84-1, Hijiriisshiki, Suruga-ku, Shizuoka City, Shizuoka 422-8007 Japan
Reinetsu., Ltd.	TEL: 81-54-264-7177
Hitachi Air Conditioning	29-17, Toyo 5-chome, Koto-ku, Tokyo 135-0016 Japan
Techno Service Co., Ltd.	TEL: 81-3-3649-6177

Home Appliance Product Customer Support Center Tel. 0120-3121-11 (availabel only in Japan)

Home Appliance Business Information Center	Tel. 0120-3121-19 (availabel only in Japan)
Hitachi Home Appliance Echo Center	Tel. 0120-3121-68 (availabel only in Japan)

Factories in Japan

(Tochigi Air Conditioning Works, Air Conditioning System Group) (Tochigi Home Appliance Works, Home Appliance Group) 800, Tomita, Ohira-machi, Shimotsuga-gun, Tochigi 329-4493 Japan

TEL: 81-282-43-1122

★January 29, 1997

Taga Works

(Taga Home Appliance Works, Home Appliance Group)

1-1, Higashitaga-cho 1-chome, Hitachi City, Ibaraki 316-8502 Japan

TEL: 81-294-34-1111

★July 22, 1996

Shimizu Works (Shimizu Air Conditioning Works, Air Conditioning System Group) 390, Muramatsu, Shimizu-ku, Shizuoka City, Shizuoka 424-0926 Japan

TEL: 81-54-334-2081

★0ctober 28, 1997

Tsuchiura Works (Tsuchiura Air Conditioning Works, Air Conditioning System Group)

603, Kandatsu-machi, Tsuchiura City, Ibaraki 300-0013 Japan

TEL: 81-29-832-5840

★March 25, 1997

Affiliated Manufacturing Companies

709-2, Tomita, Ohira-machi, Shimotsuga-gun, Tochigi 329-4404 Japan TEL : 81-282-43-4111 ★January 29, 1997 8-1, Shinmidori-cho, Shimizu-ku, Shizuoka City, Shizuoka 424-0927 Japan TEL : 81-54-334-2111 Hitachi Kucho SE, Ltd. ★0ctober 28, 2000 Hitachi Taga Technology, Ltd. 1-1, Higashitaga-cho 1-chome, Hitachi City, Ibaraki 316-8502, Japan

Other Affiliated Companies

Kanto Eco Recycle Co., Ltd.	800, Tomita, Ohira-machi, Shimotsuga-gun, Tochigi 329-4493 Japan TEL: 81-282-43-1122 ★April 1, 2002
Hitachi Softec Co., Ltd.	Hitachi Atago Bldg., 15-12, Nishi Shimbashi 2-chome, Minato-ku, Tokyo 105-0003 Japan TEL: 81-3-3506-1411

Mito Steel Co., Ltd. 927, Hashinai, Sawa, Hitachinaka City, Ibaraki 312-0001 Japan

TEL: 81-294-33-2251

TEL: 81-292-85-0765

Overseas Factories, etc.



Hitachi Air-conditioning & Refrigerating Products (Guangzhou) Co., Ltd. Packaged air conditioners, chiller units ★ June 28, 2004

Hitachi Compressor Products (Guangzhou) Co., Ltd.

Scroll compressors ★ April 30, 2006 (Qingdao)

Qingdao Hisense Hitachi Air-conditioning Systems Co., Ltd. Packaged air conditioners ★ December 19, 2005

(Shanghai) Shanghai Hitachi Household Appliances Co., Ltd. Room air conditioners, washing machines Established: ★ November 23, 2000

Hitachi Household Appliances (Wuhu) Co., Ltd. Room air conditioners ★ October 10, 2003

(Philippines) Hitachi Industrial Machinery Philippines Corp. Absorption and centrifugal chillers

Hitachi Consumer Products (Thailand), Ltd. Refrigerators, cleaners, rice cookers, washing machines, pumps ★ December 20, 1999

(Thailand) Hitachi Compressor (Thailand), Ltd.

Compressors ★ November 14, 1999

 (Malaysia) Hitachi Air Conditioning Products (Malaysia) Sdn. Bhd. Room air conditioners, scroll compressors ★ April 22, 1997

(India) Hitachi Home & Life Solutions (India) Ltd. Room and packaged air conditioners ★ February 14, 2006

 (Spain) (Barcelona) Hitachi Air Conditioning Products Europe, S.A. Packaged air conditioners, chiller units ★ May 4, 1999

Hitachi Air Conditioning Products Brazil, Ltd. Packaged air conditioners, chiller units

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