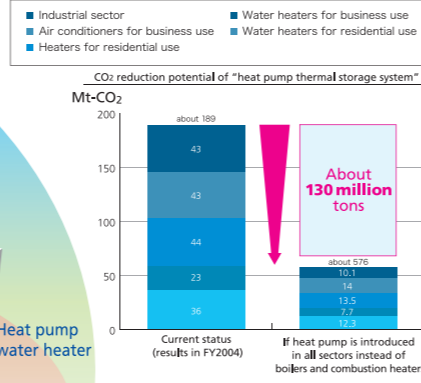
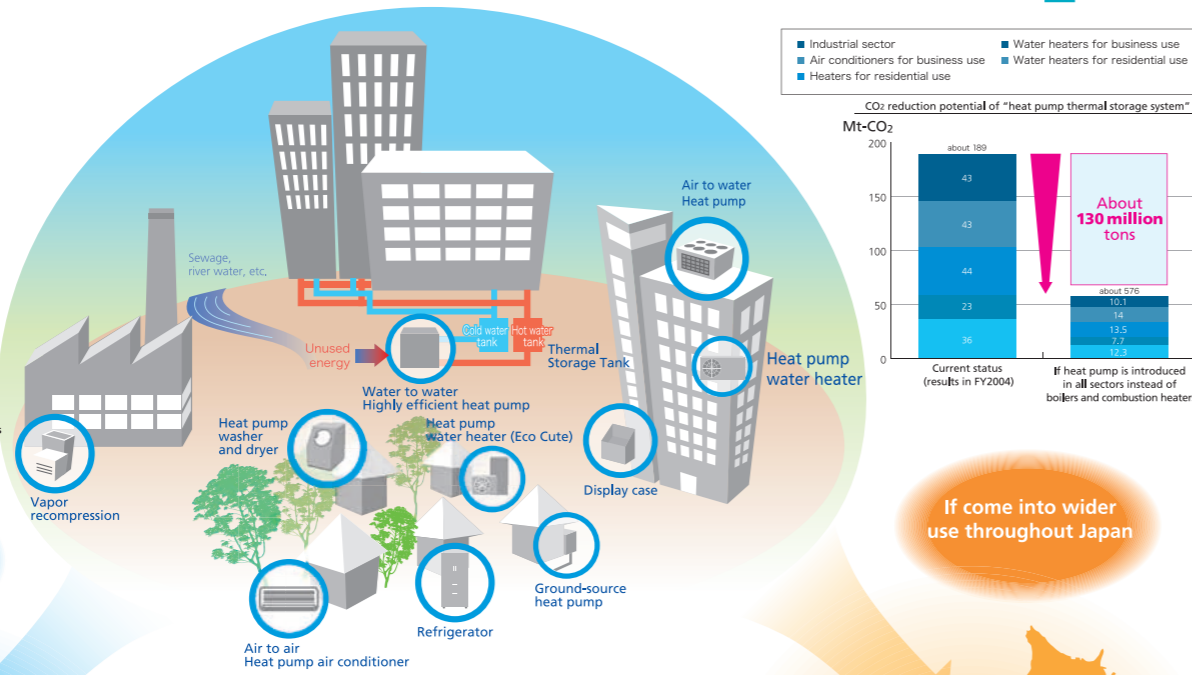
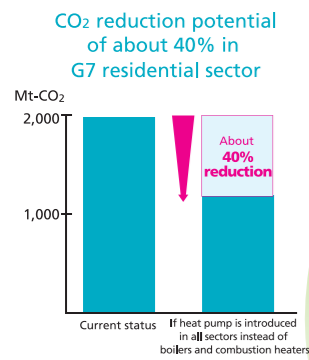


From Houses to Commercial Buildings and further to Factories

Potential of heat pumps to reduce CO₂ emissions



If come into wider use all over the world

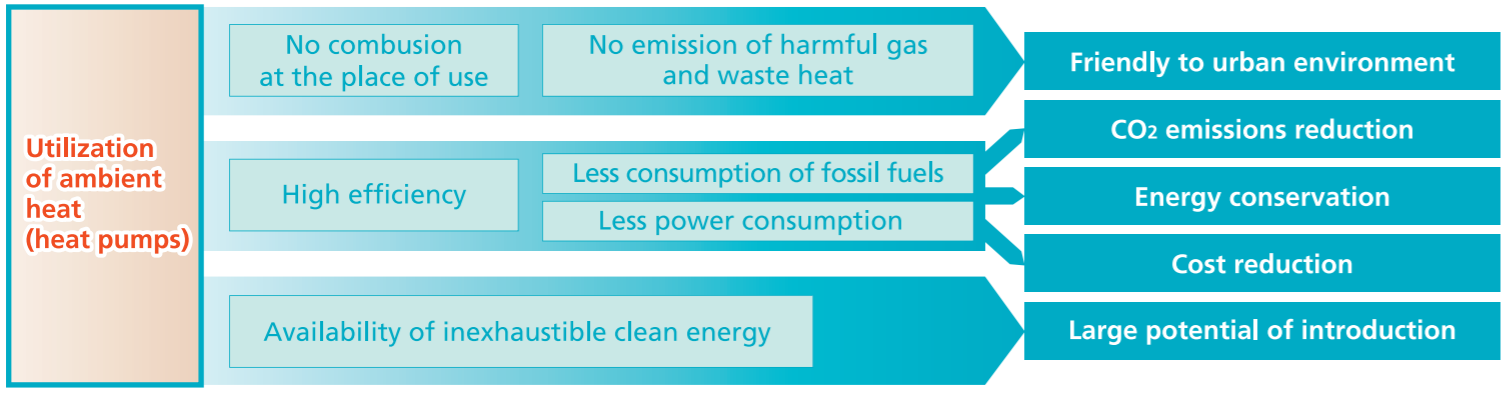


If all water heaters and space heaters for business and residential use and part of warmers for industrial use in Japan are replaced by heat pumps, a total of 130 million tons of CO₂ emissions can be reduced a year. The figure accounts for 10% of Japan's total annual CO₂ emissions. Similarly, if heat pumps come into wider use at households in G7 countries, CO₂ emissions in this sector can be reduced by 40% on average as same as the case in Japan.

If come into wider use throughout Japan



Many Advantages Provided by Utilization of Ambient Heat



Which do you select, Heated Planet or Heat pumps? The Answer is...!

What can we do for the future of children?
Energy conservation and environmental protection for brighter future!

COOL DOWN TECHNOLOGY

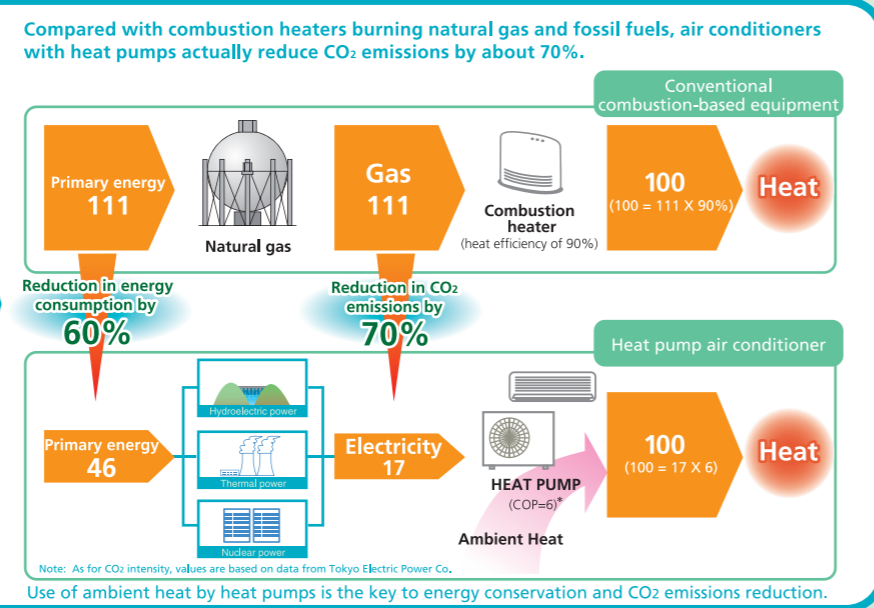
YES! HEAT PUMPS

- Environmental Protection
- Energy Security
- Technological Contribution

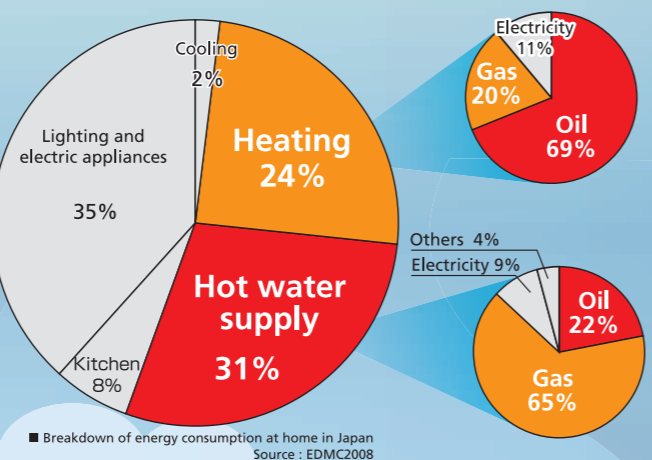
WHAT'S HEAT PUMP?

Non-combustion is the Key to Successful Measures against Global Warming!

Abundant heat is naturally contained in the air and ground. Heat pump is a device to draw out such heat. Greenhouse gas emissions can be drastically reduced by using such heat energy instead of burning oil and gas.



In Japan, residential energy consumption for heating and hot water supply accounts for 50-60%. Almost the same applies to Europe and America. Moreover, 90% of such energy is generated by burning fossil fuels directly.

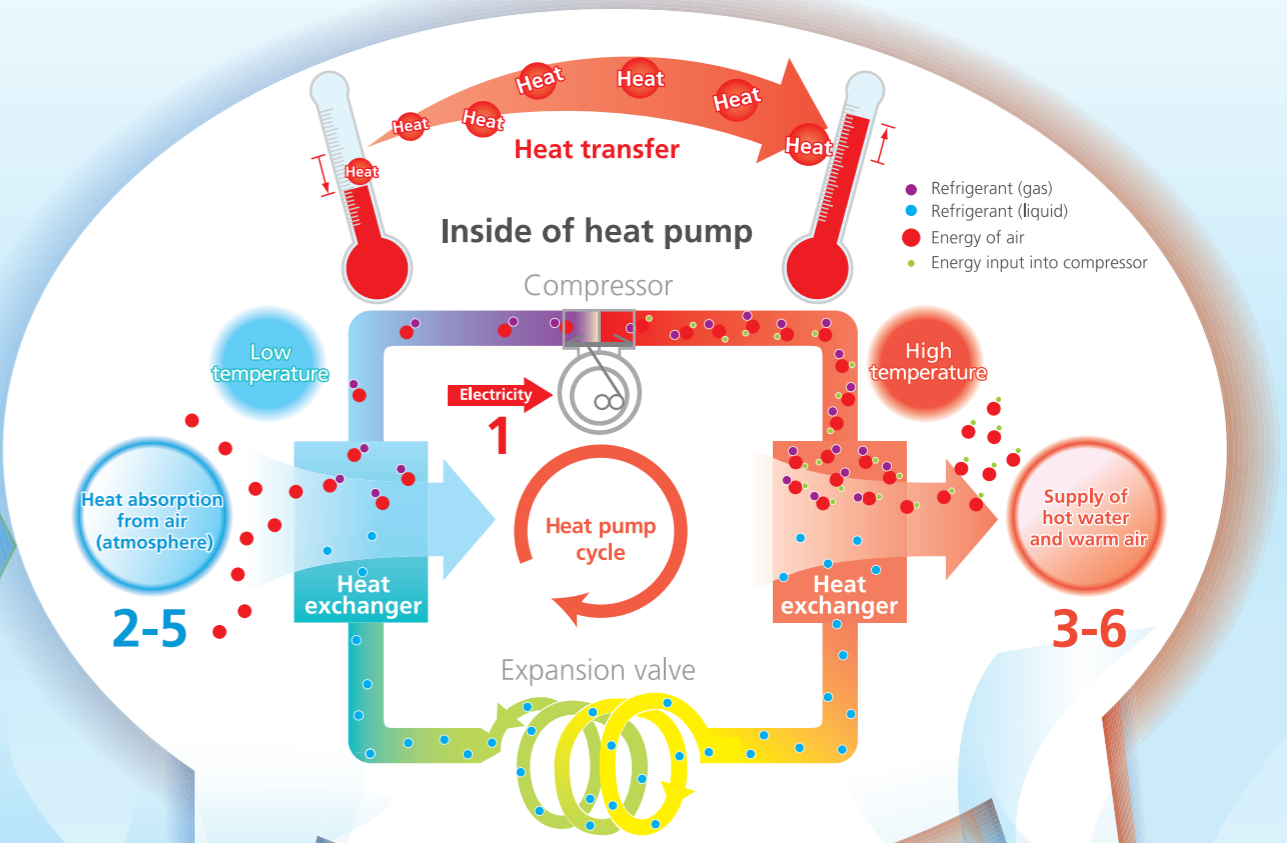


POINT No carbon (and no combustion) for heating and hot water supply!

How can no carbon (and no combustion) be achieved?
Let's use ambient heat!
 How can we use it?
Let's introduce heat pumps!

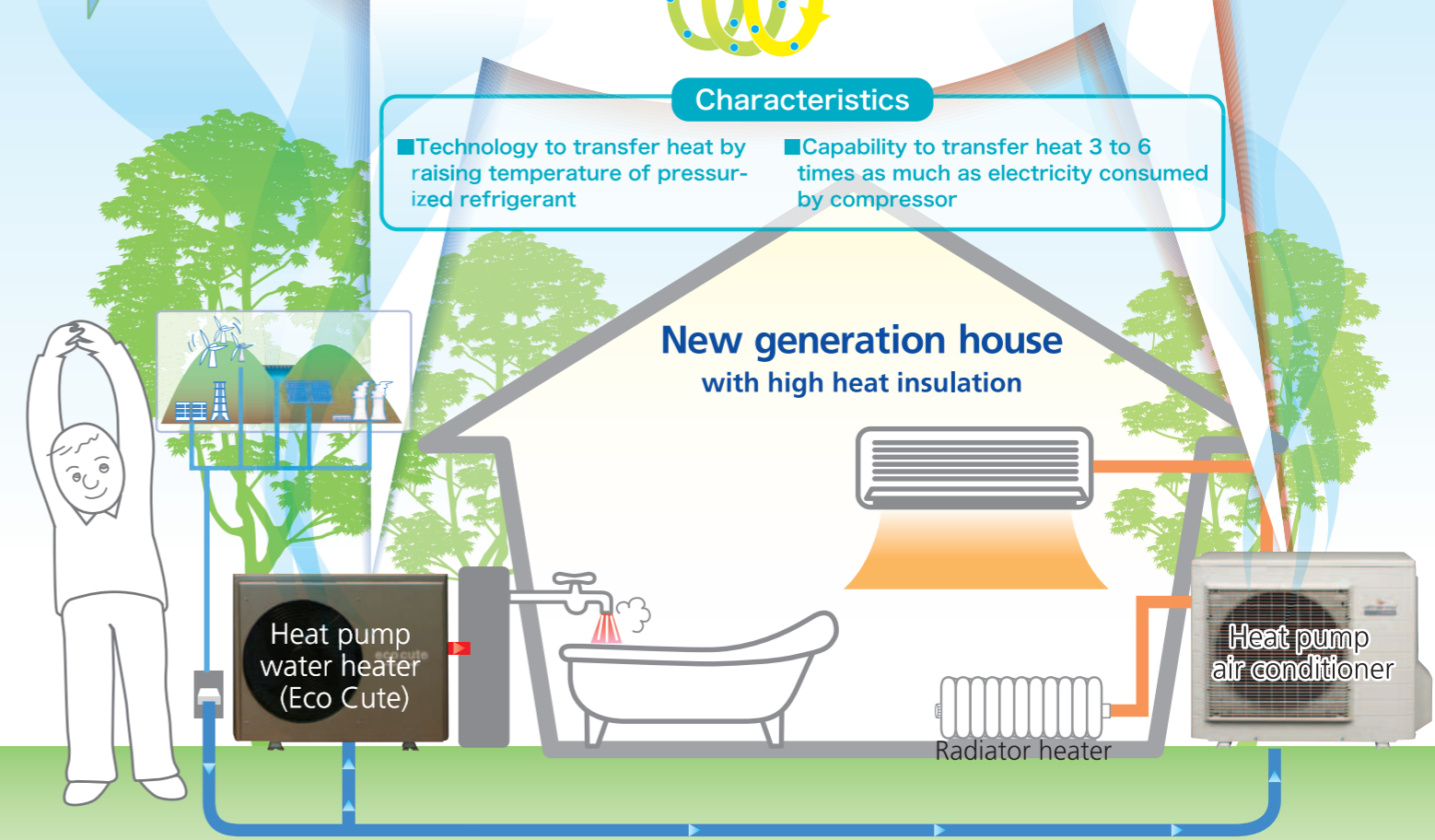
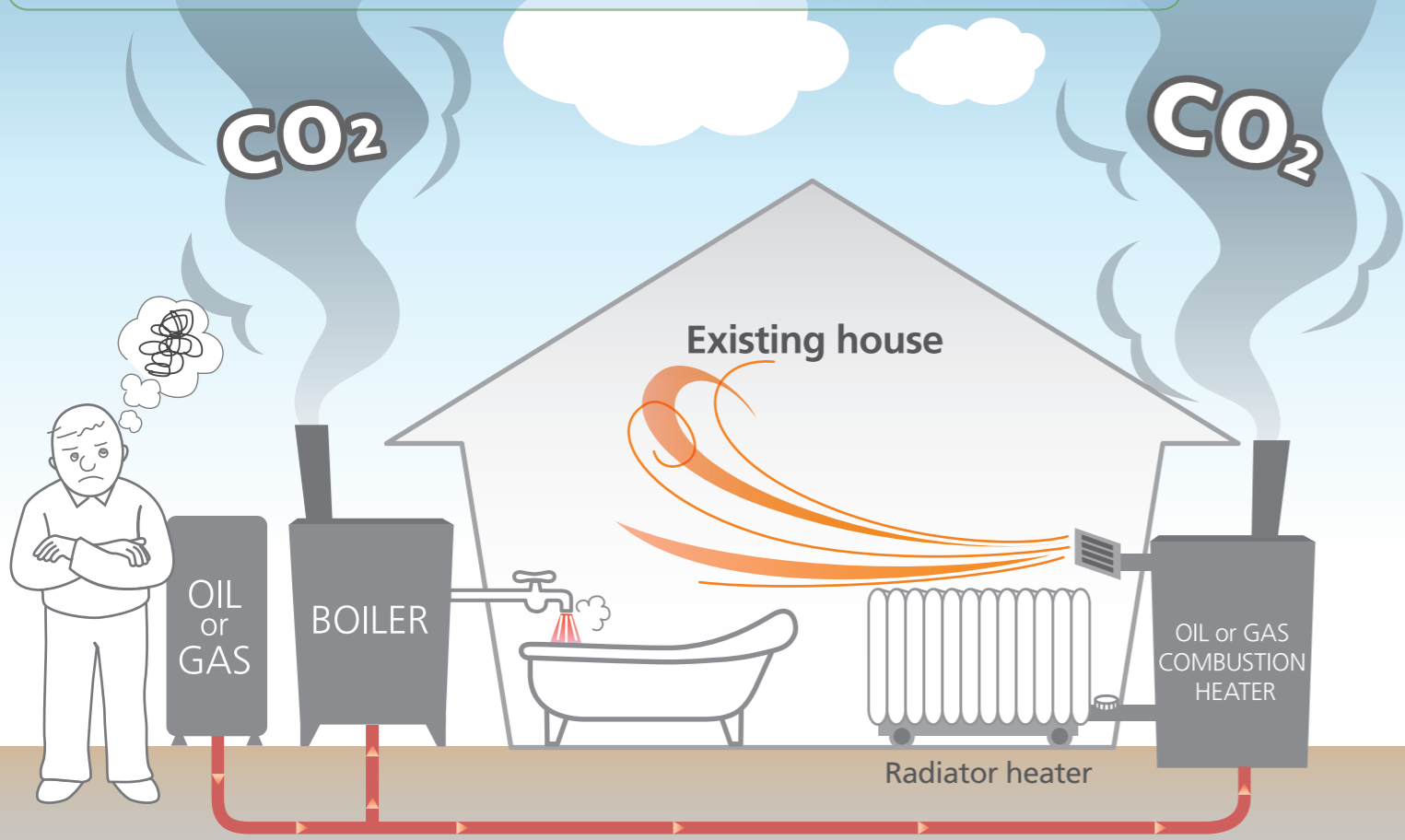
Innovative System to Recycle Renewable Heat Found Anywhere in Our Daily Life!

Heat pump is breakthrough technology to convert ambient heat into useful thermal energy.



Characteristics

- Technology to transfer heat by raising temperature of pressurized refrigerant
- Capability to transfer heat 3 to 6 times as much as electricity consumed by compressor



* COP (Coefficient of Performance) COP represents energy consumption efficiency. The ratio of heating (cooling) output divided by the energy inputted. COP=6 means that input of electricity of 1 is required to produce heat of 6. In other words, it shows the efficiency when heat energy of 1 is pumped up, electric energy of only one-sixth of the heat energy is required.