

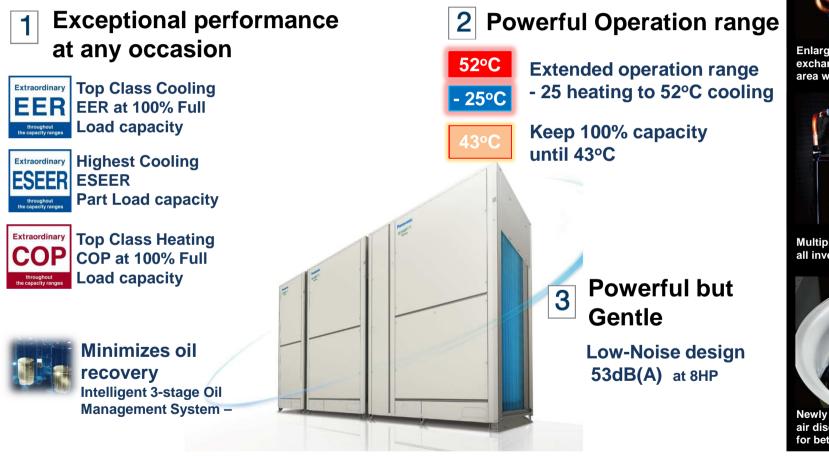
THE GAME CHANGER

VRF with Extraordinary Energy-Saving Performance and Powerful Operations

Eco Extreme



Advantages





Enlarged heat exchanger surface area with triple surface



Multiple large-capacity all inverter compressors



The highest EER rating in all outdoor capacities

Excellent energy saving

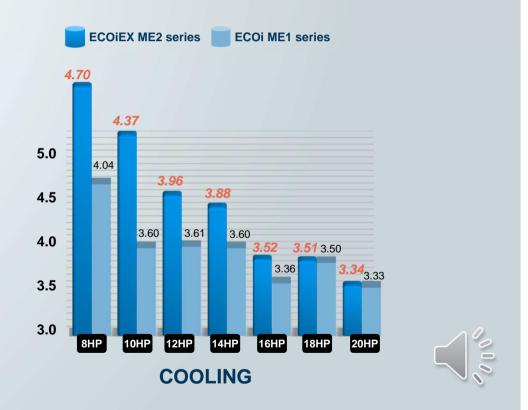
Compared to conventional model ECOi [ME1]

The ECOi-EX marks a revolutionary step forward in VRF efficiency. A look at the incredible EER value clearly indicates that. What's more, this high EER value is achieved even during part load operation.

This shows the extraordinary energy-saving performance the ECOi-EX is capable of providing.



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ECOiE

The highest COP rating in all outdoor capacities

Excellent energy saving

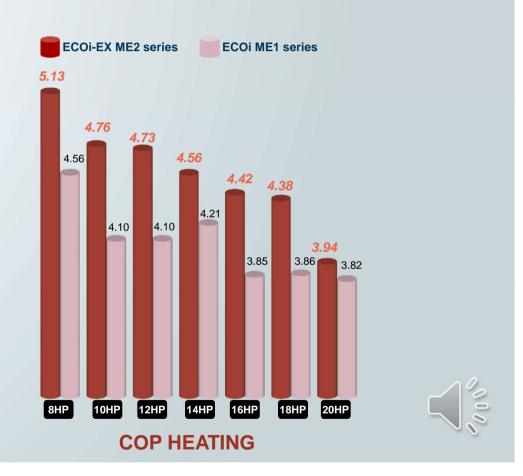
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ECOi

Expectation to VRF energy saving based on actual operation

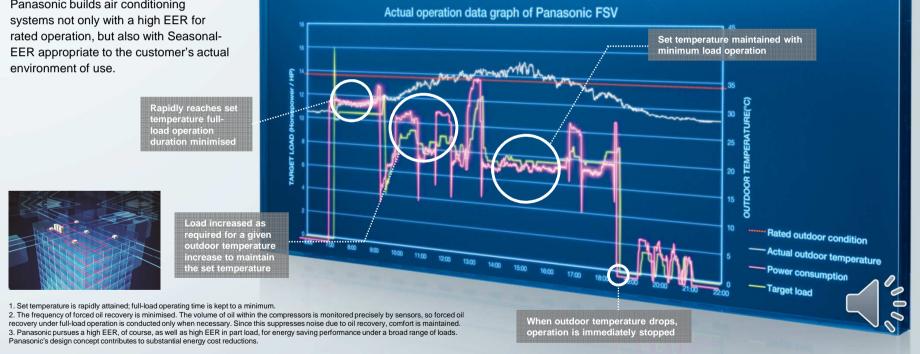
Practical Design for Actual Operation

Panasonic builds air conditioning

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Actual performance data of Panasonic ECOi-EX Simulated conditions

Location: Panasonic building in Malaysia System: One 16HP outdoor unit, 4 cassette-type indoor units



Strong at High and Low ambient condition

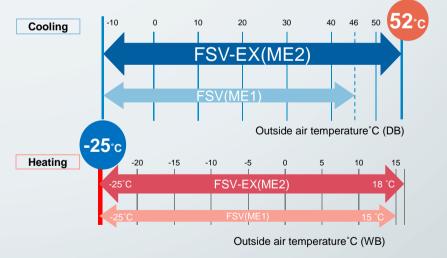


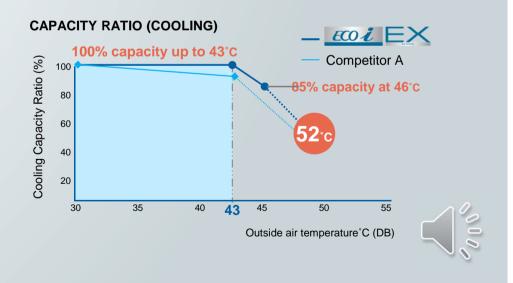
Trusted reliability even under High and Low temperature conditions

Designed to be durable enough to withstand extreme heat, ECOi EX ensures reliable cooling operation over an extended operation range up to 52° C, and heating operation down to minus 25° C

Full-capacity Operation up to 43°C for cooling

The ECOi-EX can provide cooling even when the outside temperature reaches a maximum of about 52 °C. And amazingly, it can still operate at 100% capacity when the outside temperature is as high as 43 °C. This high power capability enables reliable operation even under extremely high temperature conditions.



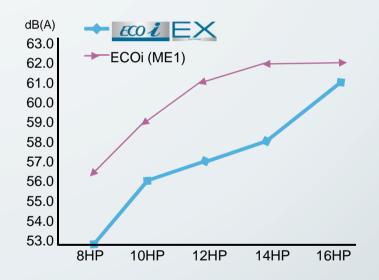


OPERATING RANGE

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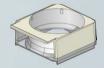
9 Quiet design

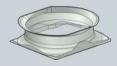
Numerous technological innovations, including an improved compressor and a newly designed bell mouth and larger fan, have dramatically reduced the outdoor noise level. The result is an even more comfortable building environment.



Newly designed curved air discharge bell mouth for better aerodynamics

The new curved shape with integrated top and bottom assure smooth exhaust flow. This gives more air-volume with same sound level, less power input at same air-volume.





Conventional model ECOi[ME1] New model ECOi-EX[ME2]

Large air discharge area with new flush surface top panel

To reduce air resistance, instead of a tubular fan design, a new large flat fan guard design, flush with the top panel, is employed. This design lead to the improvements in air resistance, but also contributed to better appearance designing.



Conventional model ECOi[ME1]



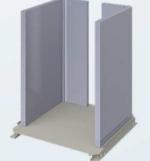


Enlarged heat exchanger surface area with triple surface



The new heat exchanger features a triple-surface construction. Compared to the divided dual-surface construction in current models, there is no division of space and the area for heat exchange is larger. Also, highly efficient piping pattern increases heat exchange performance by 5%.

* For 8 & 10HP unit, the heat exchanger is 2 row design.

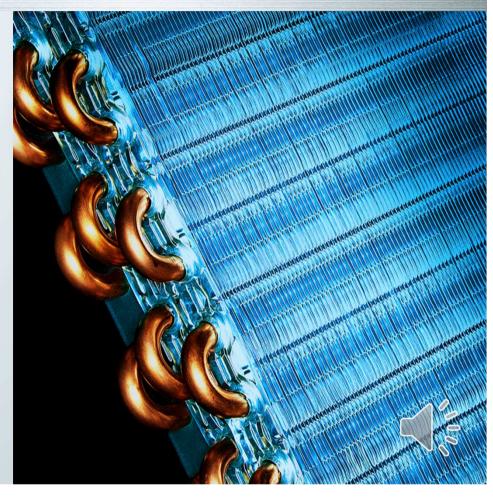


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Conventional model ECOi[ME1]







Multiple large-capacity all inverter compressor



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Extraordinary energy-saving performance

Multiple large-capacity all inverter compressors (more than 14HP)

Two independently controlled inverter compressors achieve high efficiency. Redesigned components in the body provide performance improvement especially in the EER/COP/ESEER performance.



ECOiEX

