

Heavy Anti-corrosion

VRV MAX

- ▶ Maximize Lifespan
- ▶ Maximize Performance
- ▶ Maximize Anti-corrosion



VRV X MAX

RXUQ6~20AYMW

RXUQ12~60AM(1)YMW

VRV A MAX

RXQ6~20AYMW

RXQ18~60AMYMW

COOLING ONLY 50/60Hz

R-410A

Drastic Reduction in Total Life Cycle Cost

Corrosion often becomes a problem for air conditioners near the ocean. Corrosion damage reduces their efficiency and cooling capacity over time, and eventually leads to high replacement costs.

VRV MAX is built to withstand corrosion, eliminating the replacement cost in the long run.

Outer casing



Shortened Lifespan

Heat exchanger (Fin)



Inadequate Cooling Performance

Poor Efficiency

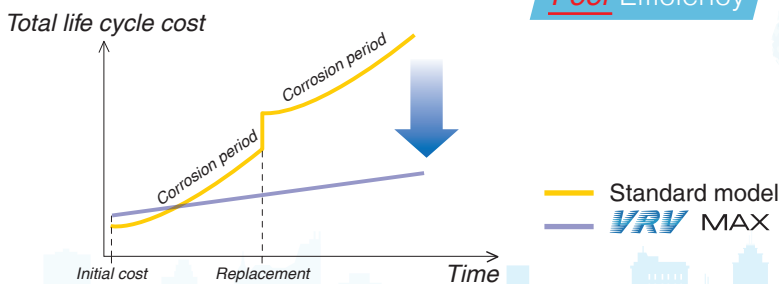
Corroded fins

Very poor heat transfer

Insufficient cooling capacity

Efficiency down

Maintenance cost up



Maximize Lifespan

Enhanced fins and casing are certified by a 3rd party for **MAX** product life.

Note: Product life depends on installation location and operating conditions.



Heat exchanger and casing withstand 25 years* of simulated high salinity, humidity atmosphere, and atmospheric corrosivity.

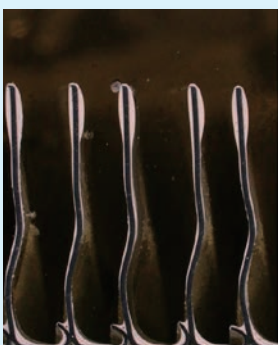
Certified C5 high level in durability range of corrosivity category as defined in ISO12944-6:2018.

*This number of years is not the warranty period of the product.



Maximize Performance

In the past, anti-corrosion coating typically reduced heat-exchanging property of the fins and performance.



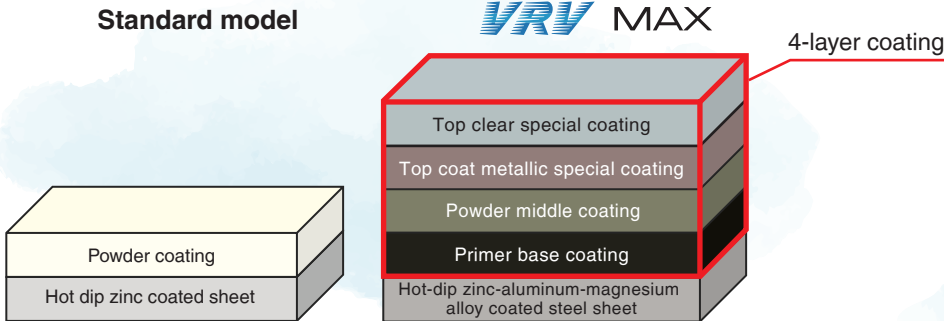
NEW aluminium fins are **21%** thicker to maintain performance.

VRV MAX is developed with innovative automated fin coating technique that makes the fins resistant to corrosion and maintains high performance, even with the additional coating.

Maximize Anti-corrosion (Multi coating for extreme durability)

Outer casing

VRV MAX utilises hot-dip Zinc-Aluminum-Magnesium alloy coated steel sheet for superior corrosion resistance, with additional four-layer coating for even greater durability.



Salt Spray Test

The coating of previous anti-corrosion model peeled away around the cross-cut areas, whereas **VRV MAX** shows no sign of corrosion.

CASS Test

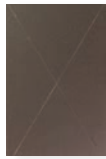
VRV MAX also shows no sign of corrosion from Copper Accelerated Acetic Acid Salt Spray Test, while the previous anti-corrosion model got corroded in damaged areas.

Previous model



✗ : Corrosion

VRV MAX



✓ : No corrosion

★ The cross cut was made in order to simulate a severe case of coating damage and corrosion (not from regular usage).

Previous model



✗ : Corrosion

VRV MAX

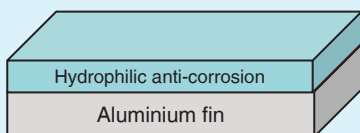


✓ : No corrosion

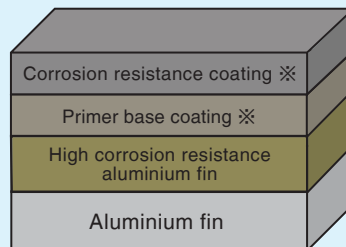
Heat exchanger (Fin)

The aluminum fins on **VRV MAX** are manufactured with thicker anti-corrosion layer including an additional two-layer coating.

Standard model



VRV MAX

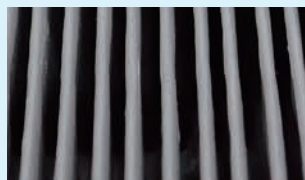


※ (outside area only)

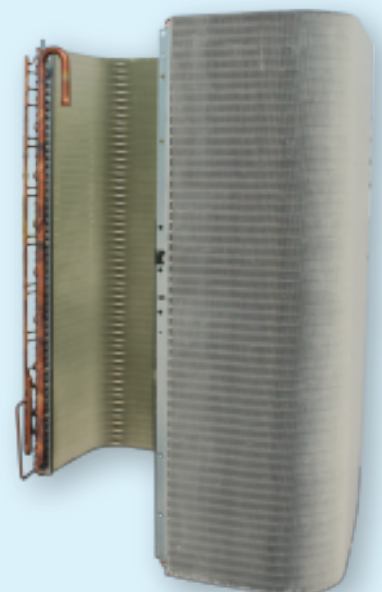
CASS Test



✗ : Corrosion



✓ : No corrosion



	Previous model	VRV MAX
Type	Anti-corrosion	Heavy Anti-corrosion for ASEAN
Installation example	<p>The previous generation of anti-corrosion model must be installed at least 300m away from the sea in a location not in direct contact with sea wind.</p>	<p>VRV MAX can be installed right by the sea, as long as the unit does not get into contact with seawater, allowing for more flexibility in installation.</p>
Distance	300~1000m	From 0m

Specifications of Anti-corrosion Model

Item	Parts		Standard model	VRV MAX
1	Sheet metal casing	Outer casing	Hot dip zinc coated sheet + powder coating	Hot-dip zinc-aluminum-magnesium alloy-coated steel sheet + Primer base coating + Powder middle coating + Top coat metallic special coating (metallic brown) + Top clear special coating
2	Discharge grill • Protection net		Low Density Polyethylene (LDPE) coating	
3	Fasteners		Mild sheet with zinc-nickel plating	SUS410 + zinc-nickel plating + geomet process
4	Heat exchanger		Copper tube + Standard aluminium fin	Copper tube + Anti-corrosion aluminium fin
5	Aluminium fin		Aluminium fin + Hydrophilic anti-corrosion	Aluminium fin + High corrosion resistance aluminium fin + Primer base coating (outside area only) + Corrosion resistance coating (outside area only)
6	Heat exchanger end plate		Hot-dip zinc-aluminum-magnesium alloy-coated steel sheet without coating	Hot dip zinc coated sheet + corrosion resistance polyurethane coating
7	Fan motor stand • Electric box • Inner casing sheet metal		Galvanized iron sheet	Hot dip zinc coated sheet + corrosion resistance polyurethane coating
8	Fan • Fan motor		Resin fan + resin casing motor	
9	Pressure vessel (oil separator)		Hot rolled sheet steel + painting	Hot rolled sheet steel + Double rust inhibitor coating with additional touch-up paint
10	Printed circuit board		Both side resin coating	Expanded both side resin coating

“We confirmed the field test units are corrosion-free and perform remarkably well, even with additional coating. So, we are very proud to present this product with confidence.”



Dealer

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