

# 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 50Hz

**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

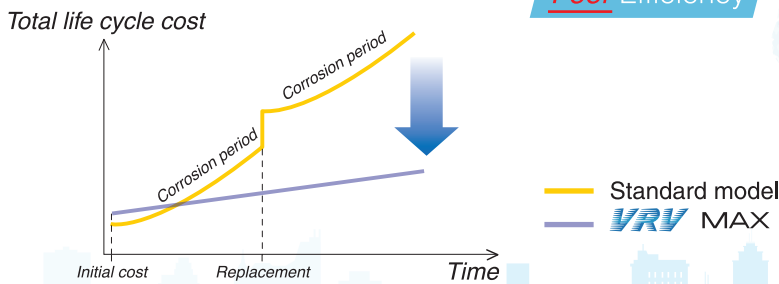
Corroded fins

Very poor heat transfer

Insufficient cooling capacity

Efficiency down

Maintenance cost up



## Maximize Lifespan

Enhanced fins and casing are certified by a 3<sup>rd</sup> 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.

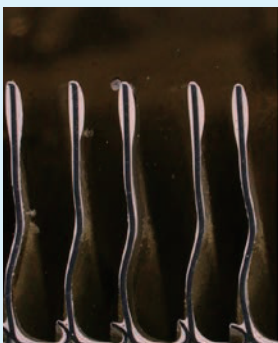
Certified C5 high level in durability range of corrosivity category as defined in ISO12944-6:2018.

\*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.



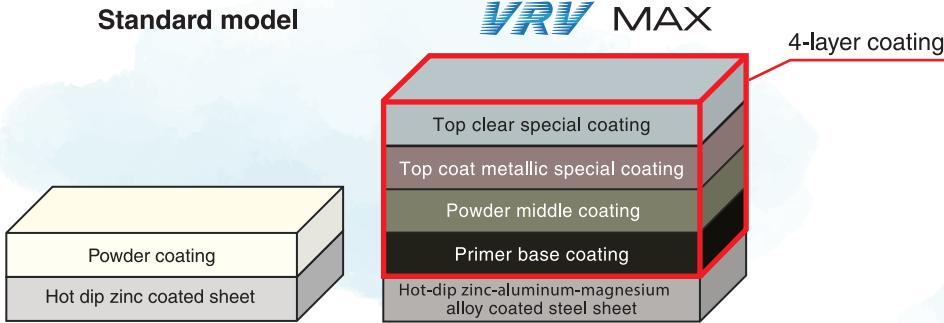
**NEW** aluminium fins are **21%** thicker to maintain performance.

**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

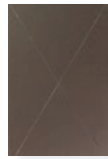
**VRV** MAX also shows no sign of corrosion from Copper Accelerated Acetic Acid Salt Spray Test, while the previous anti-corrosion model got corroded in damaged areas.

Previous model



✗ : Corrosion

**VRV** MAX



✓ : No corrosion

Previous model



✗ : Corrosion

**VRV** MAX



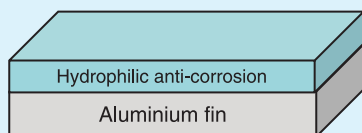
✓ : No corrosion

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

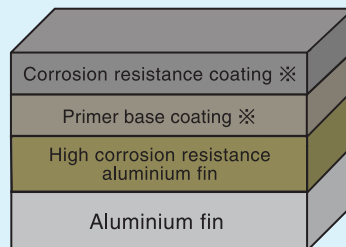
## Heat exchanger (Fin)

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)

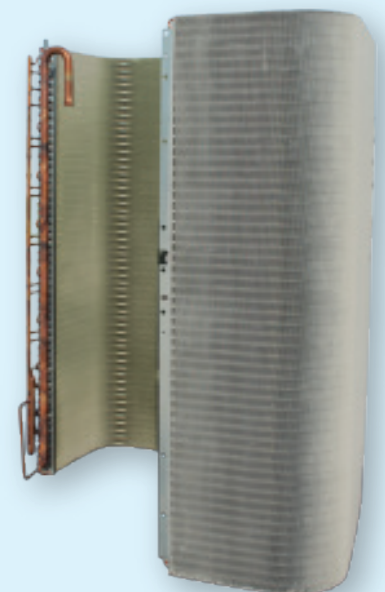
### CASS Test

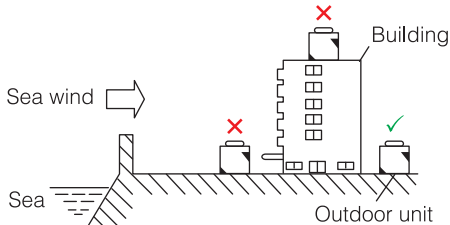
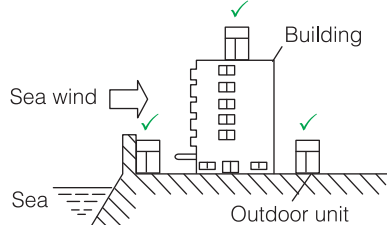


✗ : Corrosion



✓ : 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

DEALER RESMI



### Jam Beroperasi:

Senin - Jumat: 07:00 - 19:00 WIB

Sabtu - Minggu & Libur Nasional: 07:00 - 17:00 WIB

### PT. DAIKIN AIRCONDITIONING INDONESIA

Menara Astra 7th & 8th Floor, Jl. Jenderal Sudirman Kav. 5-6,  
Kel. Karet Tengsin, Kec. Tanah Abang, Jakarta Pusat, DKI Jakarta - 10220  
Telp : +6221 8665 6886 | Website : www.daikin.co.id

• **SERVICE CENTER** : Jakarta Selatan, Telp. : 021-2782 5545 | Samarinda, Telp. : 0541-252 2889 • **WORKSHOP** : Cirebon, Telp. : 0231-8817 512 | Banjarmasin, Tlp. : 0511-3258 969 | Aceh, Tlp. : 0651-7318 036 | Lombok, Tlp. : 0370-7843 231 | Jambi, Tlp. : 0741-3066 790 | Padang, Tlp. : 0751-896 2684 • **TRAINING CENTER** : Sunter, Telp. : 021-650 5030 • **BRANCH** : Bekasi, Telp. : 021-2945 0585 | Tangerang, Telp. : 021-5314 1195 | Bandung, Telp. : 022-522 5150 | Semarang, Telp. : 024-7660 3221 | Yogyakarta, Telp. : 0274-551 321 | Surabaya, Telp. : 031-503 1138 | Denpasar, Telp. : 0361-900 5514 | Makassar, Telp. : 0411-805 2691 | Palembang, Telp. : 0711-573 2282 | Pekanbaru, Telp. : 0761-561 139 | Medan, Telp. : 061-4200 8866 | Manado, Telp. : 0431-719 1199 | Batam, Tlp. : 0778-4171 445

