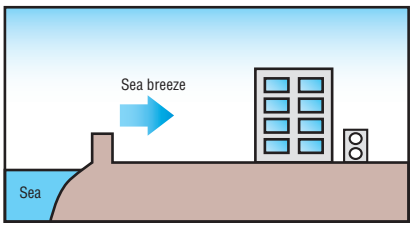
Corrosion Protection Treatment series 4 ~ 60HP (11.2kW~168.0kW)

Production by order



Corrosion Protection Treatment series are available with special coating applied for not only sheet metals but also small parts in order to prevent salt corrosion caused by sea breeze in area along coast line (Within approximately 500m from coast line).

Model No.	Nominal Cooling Capacity
FDCS112KXEN6	11.2kW
FDCS112KXES6	11.2kW
FDCS140KXEN6	14.0kW
FDCS140KXES6	14.0kW
FDCS155KXEN6	15.5kW
FDCS155KXES6	15.5kW
FDCS224KXE6G	22.4kW
FDCS280KXE6G	28.0kW
FDCS335KXE6G	33.5kW

Model No.	Nominal Cooling Capacity
FDCS280KXZA2	28.0kW
FDCS335KXZA2	33.5kW
FDCS400KXZA2	40.0kW
FDCS450KXZA2	45.0kW
FDCS475KXZA2	47.5kW
FDCS500KXZA2	50.4kW
FDCS560KXZA2	56.0kW

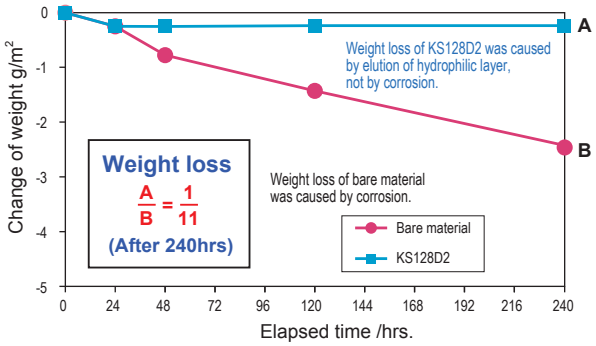
Model No.	Nominal Cooling Capacity
FDCS280CKXZA2	28.0kW
FDCS335CKXZA2	33.5kW
FDCS400CKXZA2	40.0kW
FDCS450CKXZA2	45.0kW
FDCS475CKXZA2	47.5kW
FDCS500CKXZA2	50.4kW
FDCS560CKXZA2	56.0kW

- Combination systems:22~60HP (61.5kW~168.0kW) are the same as that of the standard KXZA2/CKXZA2 series shown on previous pages.
- Specifications and Dimensions are the same as that of the standard KXZA2 series shown on previous pages.
- Non-CE Marking models.

Corrosion resistance performance of high anticorrosion fin

Comparison of weight loss by corrosion

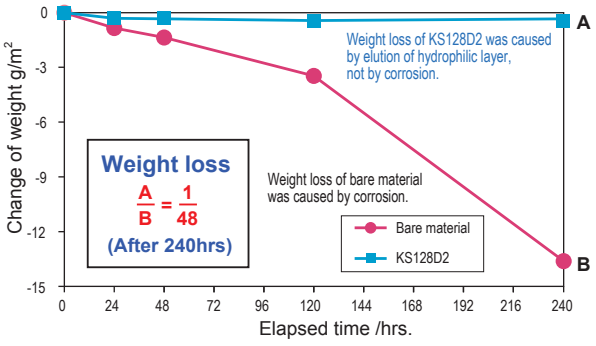
Neutral salt water spray test



<Test conditions>

JIS Z2371
NaC1 concentration : 50g/L
pH : 6.5~7.2
temperature : 35°C

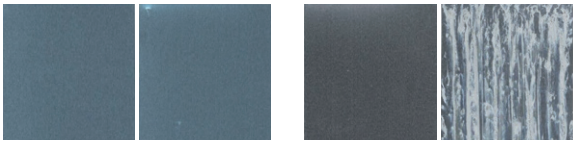
Acetic acid salt water spray test



<Test conditions>

JIS Z2371
NaC1 concentration : 50g/L
pH : 3.1~3.3(adjusted with acetic acid)
temperature : 35°C

Appearance comparison before and after acetic acid salt water spray test



For outside sheet metals, Cation electrodeposition coating is used for undercoat plus polyester powder coating or acrylic baked coating for top coat and corrosion protection is applied for heat exchanger, welded parts, fan guard, fin guard and other major parts.
Preventing corrosion by salt damage or sulfurous acid gas has made service life of this series longer while its exterior appearance has been greatly improved.
Durability of this series for anticorrosion is about two times that of standard outdoor units under the same conditions.

Additional treatment from the standard series

		Micro model		KXZA2
Exterior panel		undercoat: Cation electrodeposition coating topcoat: polyester powder coating or acrylic baked coating		undercoat: Cation electrodeposition coating topcoat: acrylic baked coating
Base plate		undercoat: Cation electrodeposition coating topcoat: polyester powder coating or acrylic baked coating		undercoat: Cation electrodeposition coating topcoat: acrylic baked coating
Drain pan		————		undercoat: Cation electrodeposition coating topcoat: acrylic baked coating
Fan motor		application of anticorrosion compound		application of anticorrosion compound
Fan motor base		4~6HP	————	application of anticorrosion compound
		8~12HP	application of anticorrosion compound	
Heat exchanger	Fin	Precoated Aluminum Blue Fins in high anticorrosion specification		Precoated Aluminum Blue Fins in high anticorrosion specification
	pipe	application of anticorrosion compound		application of anticorrosion compound
	Side plate	application of anticorrosion compound		application of anticorrosion compound
Compressor		application of anticorrosion compound		application of anticorrosion compound
Accumulator		application of anticorrosion compound		application of anticorrosion compound
Receiver		application of anticorrosion compound		application of anticorrosion compound
Control box		4~6HP	————	galvanized steel sheet + undercoat: Cation electrodeposition coating + topcoat: acrylic baked finish
		8~12HP	application of anticorrosion compound	
Baffle plate		4~6HP	————	————
		8~12HP	application of anticorrosion compound	————
Service valve bracket		4~6HP	————	galvanized steel sheet + undercoat: Cation electrodeposition coating + topcoat: acrylic baking finish
		8~12HP	application of anticorrosion compound	
Screw for exterior panel		zinc coating + chromate treatment + fluorine coating		zinc coating + chromate treatment + fluorine coating
Screw tap for inside of exterior panel		zinc coating + chromate treatment + fluorine coating		zinc coating + chromate treatment + fluorine coating

Corrosion protection treatment complies with regulation of The Japan Refrigeration and Air Conditioning Industry Association (JRA9002)

Caution

Even if the outdoor unit is protected with the anti-salt damage treatment, it cannot be perfectly free from rusting.
The following points should be kept in mind during installation and maintenance of the outdoor units.

Installation

(1) When installing the outdoor unit close to the coastal area, provide a windbreak to protect it from direct sea breeze and salt water splash.
(2) Select a well-drained place to install.
(3) If any scratch or damages occurred on the outdoor unit during installation, repair it carefully.

Maintenance

(1) Clean salt grains on the outdoor unit with fresh water periodically.
(2) Apply rust preventive at regular intervals for maintenance depending on the conditions at the installation place (consulting with the withstanding capacity).
(3) Confirm reset of screw tap after maintenance, if missing it may cause corrosion occurred from the hole of screw tap.
(4) During prolonged non operation periods, protect the unit with covering.