

# Space Aqua XF



## Range of use :

Cooling capacity from 106 to 183 kW  
Heating capacity from 122 to 227 kW  
Air Flow 4 to 10 m<sup>3</sup>/s

## Use :

Autonomous packaged water/air units designed for air conditioning large areas in shopping centres with water loop (new or renovation)  
Self-contained split rooftop unit (gas module to be connected delivered separately)  
Self-contained split rooftop unit (wheel heat exchanger to be connected delivered separately)  
Designed for outdoor rooftop installation or mechanical room on the premises requiring air conditioning.

## Description :

- Packaged units,
- Painted polyester casing,
- Self-supporting painted frame,
- 2 refrigerant circuits, 1 to 4 Scroll-type compressors, R410A refrigerant,
- Tandem or single compressors
- High efficiency air heat exchanger with copper tubing and aluminium fins on indoor circuit
- High efficiency plate heat exchanger on outdoor circuit
- Single G4 filter or double G4 + F6 to F9 filter
- Plug fan or centrifugal supply air fan with EC motor
- Condensate pan or stainless steel pan protection
- Base with adjustable slope,
- Heating by heat pump or hot water coil or electric heater
- Integrated high quality condensation gas burner with power inverter (30 to 100%), efficiency up to 105% PCI, anti-stratification control, KIWA certification
- Complete electric cabinet, AVANT/AVANT+/CIATrtc electronic controls
- Several options
- Control of condensation and evaporation (outdoor) pressure with 3-way valve

# Space Aqua XF

## Range :

Available in 8 sizes and 2 versions

- SPACE AQUA RXF: Cooling only,
- SPACE AQUA IXF:: Heating and reversible cooling

Different assemblies to fit the customer specs

- M0: Standard version - All-air return
- MS: Version with motorised damper at the air return and for the fresh air (2-way single flow), thereby providing free-cooling operation when needed
- ME: Version with motorised fresh air intake damper for the fresh air and at the air return + extraction propeller fan (3-way single flow)
- MA: Version with motorised intake damper at the air return and for the fresh air (3-way dual flow) for free cooling operation + an air return propeller fan with adaptable extraction damper depending on the positive pressure in the room
- MC: Version with motorised intake damper at the air return, for the exhaust air and fresh air (3-way dual flow) for free cooling operation + an air return centrifugal fan (or plug fan) to ensure the flow of exhaust air is equal to the fresh air intake flow
- MRC: MC version with 1 dedicated thermodynamic recovery circuit
- MWC: MC version with wheel heat exchanger (sensible or enthalpic)

## Performance:

- Extensive range of capacities
- Very high EER and COP higher than air/air machines
- Stable COP and EER that do not depend on outdoor conditions

## Comfort:

- Management of operating hours range
- Air quality management
- Centralised supervision

## Installation:

- Packaged unit, easy to install and ready to use
- Several configurations possible
- Adjustable roof curb adaptation
- Lower sound levels, possibility to install the units in mechanical rooms to reduce outdoor noise pollution

## Environment:

- Free cooling management
- Clean refrigerant (R410A)

## Safety:

- Fire safety
- Air flow and filter clogging check
- All data available remotely

