

COOLBLADE CW A 27L



Configured unit accessories

VRM3 - 3-way chilled water valve modulating.

PSC - Condensate pump (installed in the unit)

SERI - RS485 serial card

A21 - 230/1/50 power supply

SPECIFICATIONS

Structure

Galvanized sheet painted with epoxy-polyester powder (colour: RAL 7016). External panels with open-cell internal insulation (fire reaction class A2 according to EN13501).

RAL

7016

Filters

Made of synthetic fibre with pleated profile, with ISO Coarse 35% (G2 - EN779) filtering capacity according to ISO 16890.

Coils

Finned coil with copper pipes, high turbulence aluminium fins, complete with stainless steel condensate tray.

Fans

Axial fans with electronically commuted (EC) motor, equipped with thermal protection and lack of air flow sensor. Frontal air supply.

Hydraulic Circuit

Comprises a modulating chilled water valve (0-10V signal) for controlling air delivery temperature.

Electrical control panel

The circuit includes:

- Including mains switch with manual commutation between two different power sources
- Automatic circuit breaker to protect the auxiliary and power circuits

Microprocessor

To control the following functions:

- Return air temperature
- Supply air temperature
- Alarm signal on two levels
- Alarm log recording with "black box" function
- Display of the following on the display:
 - > Return and supply air temperature
 - > Description of alarms
 - > Status of controlled devices

Standard power supply [V/ph/Hz]

230/1/50

CONTROLS AND SAFETY DEVICES

All the units are fitted with the following control and safety components:

- Lack of air flow alarm
- Dirty filter sensor
- Flooding sensor

Testing

Leak test of the hydraulic circuit and functional test carried out at the factory.

Other standard features

Support feet/transport wheels.

Electrical connections on top or on the bottom.

CONFIGURED UNIT ACCESSORIES DESCRIPTION

SERI - RS485 serial card

RS485 serial card

CONFIGURED UNIT TECHNICAL DATA

Unit	COOLBLADE CW A	
Model	27L	

Conditions

Inlet air temperature	°C	39.0
Inlet air relative humidity	%	24.0
Height asl	m	0
Fluid	Ethilene Glycol 20%	
Inlet fluid temperature	°C	16.0
Outlet fluid temperature	°C	21.0

Performances

Total capacity	kW	27.6
Sensible capacity	kW	27.6
Sensible / Total ratio		1.00
EER		65.76
NSEER		64.76
Outlet air temperature	°C	20.5
Outlet air relative humidity	%	70.3
Air flow rate	m3/h	4800
Fans absorbed power	kW	0.42
Fluid flow rate	l/s	1.385
Pressure drops	kPa	71.00

Sound levels

Sound power	dB(A)	76
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Fans

Type	AXIAL-STD	
Number	5	

Dimensions

Length	mm	1200
Width	mm	300
Height	mm	2003

Weight

Net weight	kg	144
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ELECTRICAL DATA (Theoretical calculations)

Power supply	V/ph/Hz	230/1~/50 ±10%
Control power supply	V/ph/Hz	24V/1~/50Hz
Electrical performances		
Maximum absorbed power (E1)	kW	0.42
Full load current - FLA	A	3.6

(E1) Mains power supply to allow unit operation

