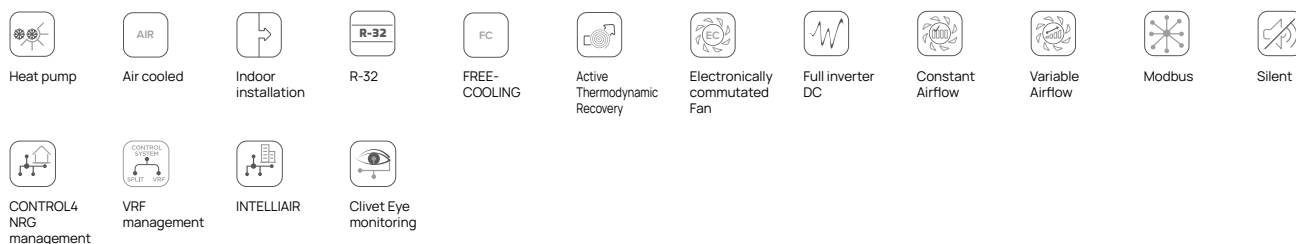


FRESH LARGE EVO

Full outdoor air renewal units with extraction/exhaust and active thermodynamic recovery Indoor installation

Air flow from 300 to 2500 m³/h



- ✓ Refrigerant R32
- ✓ Full inverter
- ✓ Extended working limit (up to -20°C in heating mode)
- ✓ Additional available capacity for indoor air conditioning
- ✓ Efficient exhaust air energy recovery and low ventilation consumption thanks to the active thermodynamic recovery
- ✓ Enhanced air filtration with low ventilation consumption
- ✓ No contamination between supply and exhaust air
- ✓ Smart Freecooling and Indoor Air Quality
- ✓ All primary air devices already on board, for a simplified system design
- ✓ Compatible with VRF and Clivet monitoring systems (CONTROL4 NRG, CLIVET EYE, INTELLIAIR)
- ✓ EPP structure for maximum acoustic comfort and thermal insulation

Versions and configurations

INSTALLATION:

II Indoor installation (Standard)

CMSC9 Serial communication module for Modbus supervisor (Standard)

HYDRAULIC CIRCUIT:

CDP Condensate drain pump on board (Standard)

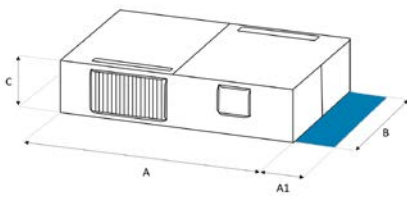
AEREAULIC CIRCUIT

FM5S Filter on outdoor air M5 (ISO 16890 ePM10 65%) (Standard)

FM5R Return air filter M5 (ISO 16890 ePM10 65%) (Standard)

CONNECTIVITY:

Dimensions and connections



Grand.	CiSDN-YEF 1 S	Size 1	Size 2	Size 3
A - Lunghezza	mm	1743	1743	1743
B - Profondità	mm	1220	1220	1220
C - Altezza	mm	310	410	590
A1	mm	500	500	500
Peso in funzionamento	kg	96	126	138

I dati sopra riportati sono riferiti ad unità standard per le configurazioni costruttive indicate.
Per tutte le altre configurazioni consultare il Bollettino Tecnico dedicato.

CAUTION!
For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the blue areas.

Technical data

Size	CiSDN-YEF 1 S	Size 1	Size 2	Size 3
Standard airflow				
Nominal air flow	m ³ /h	500	1000	2000
Max external static pressure (supply)	Pa	250	425	300
Max external static pressure (extraction)	Pa	215	390	230
Cooling				
Cooling capacity	(1) kW	1,9	3,6	7,4
Sensible cooling capacity	(1) kW	1,9	3,6	7,2
EERc	(1) -	8,43	5,76	7,83
Cooling capacity (EN 14511:2022)	(2) kW	1,9	3,5	7,1
EER (EN 14511:2022)	(2) -	6,83	4,49	4,17
Maximum cooling capacity	(3) kW	4,4	8,3	15,0
Heating				
Heating capacity	(1) kW	2,3	4,5	9,3
COPc	(1) -	6,94	6,60	7,12
Heating capacity (EN 14511:2022)	(2) kW	2,30	4,60	9,60
COP (EN 14511:2022)	(2) -	6,09	5,42	4,68
Maximum heating capacity	(3) kW	3,9	7,8	15,6
Refrigeration circuits	Nr	1	1	1
No. of compressors	Nr	1	1	1
Type of compressors	(4) -	ROT	ROT	ROT
Type of supply fan	(5) -	CFG/EC	CFG/EC	CFG/EC
Number of supply fans	Nr	1	1	1
Type of exhaust fan	(5) -	CFG/EC	CFG/EC	CFG/EC
Number of exhaust fans	Nr	1	1	1
Standard power supply	V	230/1~/50	230/1~/50	230/1~/50
Sound power level	(6) dB(A)	62	65	72
Minimum air flow	m ³ /h	300	700	1400
Maximum air flow	m ³ /h	720	1500	2500

Erp (Energy Related Products) European Directive, that includes the Commission delegated Regulation (EU) No 2016/2281 also known as Ecodesign Lot21, does not report this Product category.

Cooling working conditions: indoor air temperature 27°C D.B./19°C W.B., outdoor air temperature 35°C D.B./24°C W.B.

Heating working conditions: indoor air temperature 20°C D.B./12°C W.B., outdoor air temperature 7°C D.B./6°C W.B.

(1) Supply air temperature in cooling 24°C, supply air temperature in heating 20°C

(2) Data according to EN 14511-2022 and external static pressure 50Pa

(3) Supply air humidity ratio 11g/kg in cooling and supply air temperature 30°C in heating

(4) ROT = Rotary compressor

(5) CFG = Centrifugal fan; EC = Electronically commutated

(6) Sound power levels are referred to units operating at nominal load in nominal conditions. Measurements are carried out accordingly to UNI EN ISO 9614-1 at nominal standard conditions.

Accessories

FC	Thermal free-cooling (Standard)
PCOSME	Constant airflow in supply and exhaust (Standard)
PVARC	Variable air flow on supply and exhaust with CO ₂ probe
PVARCV	Variable air flow on supply and exhaust with CO ₂ +VOC probe
PPAQC	External CO ₂ signal management
F7B	High efficiency F7 air filter (ISO 16890 ePM1 60%)
FELIFD	Electronic filter with iFD technology (ISO 16890 ePM1 90%)

FG3CX	Prefiltration for duct installation G3 (ISO 16890 Coarse 40%)
CRC	Remote control with user interface (Standard)
IOTX	IoT industrial module for cloud based interoperability & services
VRFGX	VRF Gateway Kit
CUE1	External humidifier control with ON-OFF control
MEAX	Absorbed energy meter
ASOFX	Kit of antivibration mounts for ceiling installation
APAVX	Kit of antivibration mounts for floor installation

Accessories whose code ends with "X" are supplied separately

For compatibility between the various accessories, please refer to the dedicated Technical Bulletin or our website in the Systems and Products section.

Data contained in this document are not binding and may be changed by the Manufacturer without notice

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