

CLIVETPACK3I

Roof Top air-cooled reversible heat pump
Capacity from 40 to 119 kW



Clivet participates in the ECP Programme for "Rooftops". Check ongoing validity of certificate on: www.eurovent-certification.com



Heat pump



Air cooled



Outdoor installation



R-32



FREE-COOLING



REVO thermodynamic recovery



Full inverter



ECOBREEZE



Electronically commutated Fan



Constant Airflow



Variable Airflow



Modbus



Silent



INTELLIAIR



ErP compliant

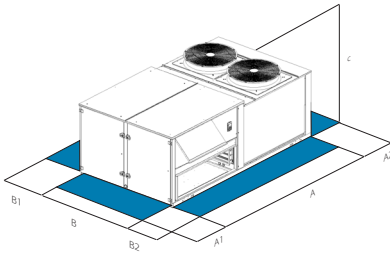
- ✓ Specifically designed for crowded buildings
- ✓ Refrigerant R32
- ✓ Full inverter
- ✓ Evolution of Energy recovery concept
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- ✓ Extended working limit (-15°C in heating mode)
- ✓ Reliability and increased efficiency ensured by double refrigerant circuit
- ✓ Remote and centralized system monitoring through INTELLIAIR

Versions and configurations

CONFIGURATION:

CCK-REVO Configuration with double fan section with fresh air and REVO thermodynamic recovery

Dimensions and connections



Size	CSNX-iY	20.2	28.2	40.4
A - Length	mm	2650	3550	3970
B - Width	mm	2226	2226	2230
C - Height	mm	1480	1510	1910
A1	mm	1500	1500	2000
A2	mm	1500	1500	1500
B1	mm	1500	1500	1500
B2	mm	1500	1500	1500
CCK-REVO Operating weight	kg	968	1119	1744

The above mentioned data are referred to standard units for the constructive configurations indicated.
For all the other configurations, refer to the relative Technical Bulletin.

CCK-REVO Configuration with double fan section with fresh air and REVO thermodynamic recovery

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

Technical data

Size	CSNX-iY	20.2	28.2	40.4
CCK-REVO Cooling capacity	(1) kW	48,7	90,0	146,0
CCK-REVO Sensible capacity	(1) kW	35,0	63,8	104,0
CCK-REVO Compressor power input	(1) kW	10,8	23,0	42,4
CCK-REVO Cooling capacity (EN 14511:2022)	(8) kW	39,3	73,4	119
CCK-REVO EER (EN 14511:2022)	(8) -	3,04	2,66	2,52
CCK-REVO Heating capacity	(2) kW	44,5	77,6	130,0
CCK-REVO Compressor power input	(2) kW	9,2	17,4	29,0
CCK-REVO Heating capacity (EN 14511:2022)	(9) kW	40,9	73,7	121
CCK-REVO COP (EN 14511:2022)	(9) -	3,17	2,74	3,00
CCK-REVO Refrigeration circuits	Nr	2	2	2
CCK-REVO No. of compressors	Nr	2	2	4
CCK-REVO Type of compressors	(3) -	ROT	SCROLL	ROT
CCK-REVO Nominal supply airflow	m³/h	6000	10500	19000
CCK-REVO Airflow range	m³/h	4000-8000	7000-13500	13000-25000
CCK-REVO Type of supply fan	(4) -	RAD/EC	RAD/EC	RAD/EC
CCK-REVO Number of supply fans	Nr	1	1	2
CCK-REVO Max. static pressure supply fan	(5) Pa	690	440	470
CCK-REVO Type of exhaust fan	(4) -	RAD/EC	RAD/EC	RAD/EC
CCK-REVO Number of exhaust fans	Nr	1	1	2
CCK-REVO Type of external fan	(4) -	AX/EC	AX/EC	AX/EC
CCK-REVO Standard power supply	V	400/3~/50	400/3~/50	400/3~/50
Sound power level outside	(6) dB(A)	83	89	88
Directive ErP (Energy Related Products)				
SEER - AVERAGE Climate	(7) -	4,67	4,94	4,57
η _{s,c}	(7) %	183,8	194,6	179,8
SCOP - AVERAGE Climate	(7) -	3,53	3,95	3,75
η _{s,h}	(7) %	138,2	155,0	147,0

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

Performances are referred to operation with 30% fresh and exhaust air with thermodynamic recovery REVO (CCK-REVO)

(1) Ambient air at 27°C/19°C W.B. Entering external exchanger air temperature 35°C D.B. / 24°C W.B.

(2) Ambient air at 20°C D.B. / 12°C W.B., Entering external exchanger air temperature 7°C D.B. / 6°C W.B.

(3) ROT = Rotary compressor; SCROLL = Scroll compressor

(4) RAD = Radial fan; AX = Axial Fan; EC = Electronically Commutated

(5) Net outside static pressure to win the outlet and intake onboard pressure drops

(6) Sound pressure 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 defined in respective regulations: EU 2016/2281, UE 813/2013, UE 811/2013

(7) Data calculated according to the EN 14825:2022

(8) Capacity in total recirculation according to EN 14511-2022, indoor air temperature 27°C D.B./19° CW.B.; outdoor temperature 35°C; EER according to EN 14511-2022

(9) Capacity in total recirculation according to EN 14511-2022, indoor air temperature 20°C; outdoor temperature 7°C D.B./6° CW.B.; COP according to EN 14511-2022

Accessories

FC	Thermal FREE-COOLING (Standard)	PAQC	Air quality probe for CO ₂ rate check
FCE	Enthalpy FREE-COOLING	PAQCV	Air quality sensor for CO ₂ and VOC rate check
REVO	REVO exhaust air thermodynamic energy recovery (standard)	PAQC2	Double air quality probe for CO ₂ rate check
CHW2	Two-rows hot water coil	PAQCV2	Double air quality probe for CO ₂ and VOC rate check
3WVM	3-way modulating valve	PPAQC	External CO ₂ signal management
2WVM	2-way modulating valve	F7	High efficiency F7 air filter (ISO 16890 ePM1 55%)
EH10	6 kW electric heaters (size 20.2)	F9	High efficiency F9 air filter (ISO 16890 ePM1 80%)
EH12	9 kW electric heaters (size 20.2)	FIFD	Electronic filter with iFD technology (ISO 16890 ePM1 90%)
EH15	13.5 kW electric heaters (size 20.2-28.2)	PSAF	Differential pressure switch for dirty air filters
EH17	18 kW electric heaters (size 28.2-40.4)	HSE3	3 kg/h immersed electrodes steam humidifier (size 20.2)
EH20	24 kW electric heaters (size 28.2-40.4)	HSE5	5 kg/h immersed electrodes steam humidifier (size 20.2-28.2)
EH24	36 kW electric heaters (size 40.4)	HSE8	8 kg/h immersed electrodes steam humidifier (size 20.2-28.2)
GC01X	Condensing gas heating module with modulating control 35 kW (sizes 20.2-28.2)	HSE9	15 kg/h immersed electrodes steam humidifier (size 28.2-40.4)
GC08X	Condensing gas heating module with modulating control 44 kW (sizes 20.2-28.2)	PUE	External humidifier management with 0-10V signal
GC09X	Condensing gas heating module with modulating control 65 kW (sizes 28.2-40.4)	LTEMP1	Application for low outdoor temperature
GC10X	Condensing gas heating module with modulating control 82 kW (sizes 28.2-40.4)	RPVI	Refrigerant leak detector in soundproof compressor compartment
GC11X	Condensing gas heating module with modulating control 100 kW (sizes 40.4)	EXFLOWC	Application in spaces with forced air exhaust at variable flow and exhaust section
GC12X	Condensing gas heating module with modulating control 130 kW (sizes 40.4)	UVCX	UV-C lamp module with germicidal effect
AMRX	Rubber antivibration mounts	CMSC13X	Serial communication module for Modbus TCP/IP, BACnet IP, BACnet MSTP superviso
AMRMX	Rubber antivibration mounts for unit and gas module	CTT	Temperature control with thermostat
AMRUVX	Rubber antivibration mounts for unit and UV-C Lamps module	CSOND	Temperature and humidity ambient control with built-in probes
RCX	Roof curb	MDMTX	Management of ambient temperature probes
PGFC	Finned coil protection grilles	MDMTUX	Management of ambient temperature and humidity probes
PGCCH	Anti-hail protection grilles	MDMADX	Advanced monitoring and management ambient probes
PCM0	Sandwich panels of the handling zone in M0 fire reaction class	IOTX	IoT industrial module for cloud based interoperability & services
CPHG	Hot gas re-heating coil	DESM	Smoke detector
M3	Downward air supply	CONTA2	Energy meter
M5	Upflow air supply	CHMET	It1Cooling and Heating Capacity Meter
ML	Sideward supply	DML	Demand Limit
R3	Downward air return	PTCO	Set up for shipping via container
R5	Air return from above		
SERMD	Modulating motorized outdoor air damper (standard)		
VENH	High static pressure fan		
PVAR	Variable airflow		
PCOSM	Constant supply airflow		
PVARDP	Variable airflow with pressure probe on the unit		
PVMV	4-20mA signal for supply and exhaust air flow rate modulation		

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.