

### NEW PRODUCT

## CLIVETPack<sup>3i</sup>

### Packaged air-conditioning unit

CSNX-iY: Reversible heat pump

Air cooled

Roof Top

**Capacity from 40 to 160 kW**



- ✓ 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



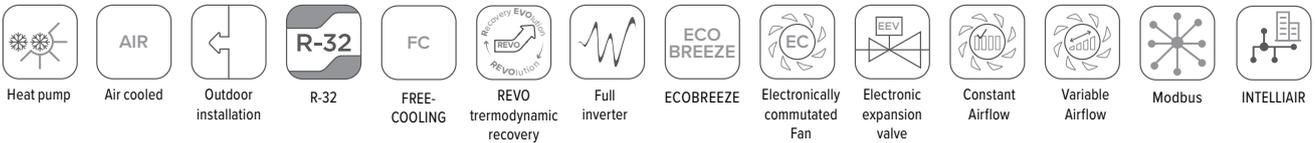
Clivet participates in the ECP Programme for "Rooftops". Check ongoing validity of certificate on: [www.eurovent-certification.com](http://www.eurovent-certification.com)



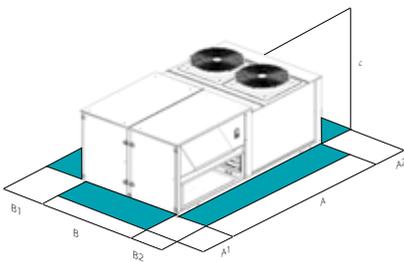
compliant  
ErP

PACKAGED

### functions and features



### dimensions and clearances



Size	▶ CSNX-iY	20.2	28.2	40.4
A - Length	mm	2650	3550	3970
B - Width	mm	2300	2300	2300
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 trerodynamic recovery

#### CAUTION!

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

## versions and configurations

### CONFIGURATION:

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

### technical data

Size	CSNX-iY	20.2	28.2	40.4	
CCK-REVO	◆ Cooling capacity	(1) kW	49,7	91,9	146,0
CCK-REVO	Sensible capacity	(1) kW	35,7	65,1	104,0
CCK-REVO	Compressor power input	(1) kW	10,8	23,0	42,4
CCK-REVO	◆ Cooling capacity (EN 14511:2022)	(8) kW	40,1	74,9	119,2
CCK-REVO	EER (EN 14511:2022)	(8) -	3,10	2,71	2,52
CCK-REVO	◆ Heating capacity	(2) kW	45,4	79,2	130,0
CCK-REVO	Compressor power input	(2) kW	9,2	16,0	29,0
CCK-REVO	◆ Heating capacity (EN 14511:2022)	(9) kW	41,8	75,2	120,6
CCK-REVO	COP (EN 14511:2022)	(9) -	3,23	3,07	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	Supply air flow rate	m <sup>3</sup> /h	6000	10500	19000
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
CCK-REVO	Sound power level outside	(6) dB(A)	83	89	88
<b>Directive ErP (Energy Related Products)</b>					
SEER - AVERAGE Climate	(7) -	4,69	4,95	4,57	
η <sub>sc</sub>	(7) %	184,6	195,0	179,8	
SCOP - AVERAGE Climate	(7) -	3,53	3,95	3,75	
η <sub>sh</sub>	(7) %	138,2	155,0	146,6	

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°C W.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°C W.B.; COP according to EN 14511:2022

### accessories

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

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