

17 Series CX(E) R407C cellar cooling

THE INNOVATIVE CX(E) CELLARATOR SPLIT SYSTEM IS DESIGNED TO HELP THE LICENSED TRADE MAINTAIN A COOLED ENVIRONMENT MORE EFFECTIVELY THAN EVER BEFORE.

Features

- Revolutionary one piece molded body, impregnated with an anti-bacterial additive, ideal for cellar cooling and food preparation areas.
- Industrial standard 6 fins per inch evaporator coil.
- New 17 Series with smaller 5mm tube sizes in both the evaporator and condensing coils gives reduced refrigerant requirements without compromising the system duty.
- Condensing unit pre charged for up to 7.5m pipe run.
- System matched for 4°C air on applications
- Capacity range 2.3kW – 6.8kW @ 12.7°C
- Mounting brackets suitable for both wall and ceiling mounting.
- Up to 50 & 80m pipe run.

The Cellarator is available in 2 versions:

- CX ELECTROMECHANICAL
(this unit has optional digital temperature display)
- CX(E) with electronic control

Lightweight indoor units for easy installation:-

CX(E) 30 - 18kg CX(E) 40 - 18kg
CX(E) 50 - 20kg CX(E) 70 - 23kg

The unit dimensions are:-

CX(E) 30 - 70 - 467mm x 845mm x 320mm



Specification

- New contemporary marble effect grey colour evaporator.
- Condensing units precharged with R407C
- The unit controls temperatures down to 4°C (dependent upon system match)
- De-ice stat is standard on CXE electronic units
- Antibacterial agent added to the chassis during the moulding process for complete mold protection throughout the material
- Waterproof power switch
- Direct access to the electrics at the front of the unit
- ABS drain tray incorporating standard 22mm OD fitting drain stub
- Easy to install field electric heater kit with factory fit option
- Outdoor condensing units incorporating a low pressure switch, HP switch and low ambient start as standard
- Optional ducted condensing units for where external installations are not feasible

CKC System - Technical Information

Approximate Guide to Cellar Sizing in m³ at 27°C Ambient

SYSTEM	ABOVE GROUND		BELOW GROUND	
	CELLAR IN m ³		CELLAR IN m ³	
	8°C	12.7°C	8°C	12.7°C
CX(E) 30 + CKC / DCU+ 20	20	26	25	31
CX(E) 40 + CKC / DCU+ 30	25	30	31	39
CX(E) 50 + CKC / DCU+ 50	35	42	46	57
CX(E) 70 + CKC / DCU+ 80	65	78	80	99

Guide to Cooling Duty at 8°C and 12.7°C

AMBIENT	CELLAR 8°C			CELLAR 12.7°C			SYSTEM CONNECTIONS	
	27°C							
	TD (kW)	SD (kW)	SHR	TD (kW)	SD (kW)	SHR	SUCTION	LIQUID
CX(E) 30 + CKC / DCU+ 20	2.27	1.70	0.75	2.80	2.10	0.75	1/2"	3/8"
CX(E) 40 + CKC / DCU+ 30	2.67	1.82	0.68	3.30	2.24	0.68	1/2"	3/8"
CX(E) 50 + CKC / DCU+ 50	3.73	2.46	0.66	4.60	3.02	0.66	1/2"	3/8"
CX(E) 70 + CKC / DCU+ 80	5.51	3.47	0.63	6.80	4.30	0.63	5/8"	1/2"

Guide to CXE Low Temperature at 4°C and 27°C Ambient

AMBIENT	CELLAR 4°C			SYSTEM CONNECTIONS	
	27°C				
	TD (kW)	SD (kW)	SHR	SUCTION	LIQUID
CXE 40 + CKC / DCU+ 20	2.30	2.00	0.85	1/2"	3/8"
CXE 50 + CKC / DCU+ 40	3.50	2.80	0.80	1/2"	3/8"
CXE 70 + CKC / DCU+ 60	5.00	3.50	0.70	5/8"	3/8"



CKC Outdoor Condensing Unit

CKC20 - 620mm x 900mm x 310mm - 46kg
 CKC30 - 620mm x 900mm x 310mm - 48kg
 CKC40 - 620mm x 900mm x 310mm - 53kg
 CKC50 - 720mm x 1000mm x 310mm - 64kg
 CKC60 - 720mm x 1000mm x 310mm - 65kg
 CKC80 - 720mm x 1000mm x 310mm - 66kg

STANDARD FEATURES

Fan Speed Head Pressure Control, HP Switch Auto, LP Switch Auto, Low Ambient Start, Three Minute Delay Timer, Random Start, Contactor



DCU+ Outdoor Condensing Unit

DCU+ 20 - 495mm x 1004mm x 490mm - 70kg
 DCU+ 30 - 495mm x 1004mm x 490mm - 70kg
 DCU+ 40 - 495mm x 1004mm x 490mm - 72kg
 DCU+ 50 - 560mm x 1174mm x 490mm - 81kg
 DCU+ 60 - 560mm x 1174mm x 490mm - 81kg
 DCU+ 80 - 560mm x 1174mm x 490mm - 84kg

STANDARD FEATURES

Fan Speed Head Pressure Control, HP Switch Auto, LP Switch Auto, Low Ambient Start, Three Minute Delay Timer, Random Start, Contactor

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