

17 Series CX(E)A R410A cellar cooling

COMPETITIVE RANGE OF R410A CELLAR COOLERS BASED ON THE SAME HIGH SPECIFICATION INDOOR UNITS AS OUR SUCCESSFUL CX(E)/CKC RANGE

Features

- Up to 25m pipe run.
- 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.
- Capacity range 2.3kW – 5.68kW @ 12.7°C
- Mounting brackets suitable for both wall and ceiling mounting.

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 R410A
- The unit controls temperatures down to 8°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
- LP Switch
- 3 minute timer
- Random start contactor
- 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
- Air throws to suit all applications

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)A 30 / CKA 35	20	26	25	36
CX(E)A 50 / CKA 35	27	38	44	63
CX(E)A 50 / CKA 50	38	54	62	89
CX(E)A 70 / CKA 70	54	78	88	125

Guide to Cooling Duty

SYSTEM	DUTY @ 12.7°C 27°C AMBIENT			DUTY @ 12.7°C 35°C AMBIENT			DUTY @ 8°C 27°C AMBIENT			DUTY @ 8°C 35°C AMBIENT			INTERCONNECTING PIPEWORK	
	TD (kW)	SD (kW)	INPUT (kW)	TD (kW)	SD (kW)	INPUT (kW)	TD (kW)	SD (kW)	INPUT (kW)	TD (kW)	SD (kW)	INPUT (kW)	SUCTION	LIQUID/ EXPANSION
CX(E)A 30 / CKA 35	2.28	1.98	1.17	2.20	1.77	1.30	1.79	1.69	1.15	1.73	1.20	1.25	1/2"	1/4"
CX(E)A 50 / CKA 35	3.25	2.48	1.19	2.83	2.15	1.25	3.06	2.36	1.15	2.66	1.80	1.25	1/2"	1/4"
CX(E)A 50 / CKA 50	4.25	2.90	1.62	3.50	2.45	1.60	3.44	2.40	1.51	2.83	2.00	1.50	1/2"	1/4"
CX(E)A 70 / CKA 70	5.60	3.83	2.31	4.62	3.24	2.46	4.54	3.17	2.16	3.74	2.60	2.30	5/8"	3/8"

Allow a 3.5% reduction in capacity for pipe runs above

Sound Pressure Levels

Indoor Unit

MODEL	SOUND PRESSURE LEVELS dB(A)
CX(E)A 30	39.0
CX(E)A 50	40.5
CX(E)A 70	39.9

Outdoor Unit

MODEL	SOUND PRESSURE LEVELS dB(A)
CKA 35	41.5
CKA 50	44.5
CKA 70	44.5

Sound Pressure Levels in dB(A) at 10m distance in free field conditions. (Reference 2x10⁻⁵ N/m²)



CXA
CX(E)A Indoor Unit



CX(E)A



CKA Outdoor Unit
CKA Outdoor Unit

UNPACKED DIMENSIONS				
SYSTEM	HEIGHT mm	WIDTH mm	DEPTH mm	WEIGHT kg
CX(E)A 30	467	845	320	18
CX(E)A 50	467	845	320	20
CX(E)A 70	467	845	320	23

UNPACKED DIMENSIONS				
SYSTEM	HEIGHT mm	WIDTH mm	DEPTH mm	WEIGHT kg
CKA 35	552	760	256	34
CKA 50	552	760	256	42
CKA 70	660	860	307	56

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TEV has earned management system accreditations – BSI 14001: 2015 Environmental Management and BSI 9001: 2015 Quality Management.



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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	22	31	36	52
CX(E) 40 + CKC / DCU+ 30	27	39	45	64
CX(E) 50 + CKC / DCU+ 50	42	60	69	98
CX(E) 70 + CKC / DCU+ 80	70	100	111	158

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

AMBIENT	CELLAR 8°C			CELLAR 12.7°C			SYSTEM CONNECTIONS	
	27°C						SUCTION	LIQUID
	TD (kW)	SD (kW)	SHR	TD (kW)	SD (kW)	SHR		
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			SUCTION	LIQUID
	TD (kW)	SD (kW)	SHR		
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"

Sound Pressure Levels

Indoor Unit

MODEL	SOUND PRESSURE LEVELS dB(A)
CX(E) 30	39
CX(E) 40	39
CX(E) 50	40.5
CX(E) 70	39.9

Outdoor Unit

MODEL	SOUND PRESSURE LEVELS dB(A)
CKC 20	39.2
CKC 30	39.3
CKC 50	38.9
CKC 60	39.3
CKC 80	38.7

Sound Pressure Levels in dB(A) at 10m distance in free field conditions. (Reference 2x10⁻⁵ N/m²)



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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