

17 Series CXEA R410A Cellar Cooling

COMPETITIVE RANGE OF R410A CELLAR COOLERS BASED ON THE SAME HIGH SPECIFICATION INDOOR UNITS AS OUR SUCCESSFUL CXE/CKC RANGE

- Up to 25m pipe run.
- Revolutionary one piece moulded 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.

Our cellar cooling units feature:

- CXEA with electronic control

Lightweight indoor units for easy installation:-

CXEA 30 - 18kg	CXEA 40 - 18kg
CXEA 50 - 20kg	CXEA 70 - 23kg

The unit dimensions are:-

CXEA 30 - 70 - 467mm x 845mm x 320mm



Specification

- New contemporary marble effect evaporator
- Condensing units precharged with R410A
- The unit controls temperatures down to 8°C (dependent upon system match)
- De-ice stat is standard on CXEA electronic units
- Anti-bacterial agent added to the chassis during the moulding process for complete mould protection throughout the material
- Waterproof power switch
- LP Switch (Indoor Unit)
- 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
- 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
CXEA 30 / CKA 35	20	26	25	36
CXEA 50 / CKA 35	27	38	44	63
CXEA 50 / CKA 50	38	54	62	89
CXEA 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
CXEA 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"
CXEA 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"
CXEA 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"
CXEA 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 15m

Sound Pressure Levels

Indoor Unit

MODEL	SOUND PRESSURE LEVELS dB(A)
CXEA 30	39.0
CXEA 50	40.5
CXEA 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 2×10^{-5} N/m²)



CXEA Indoor Unit



CKA Outdoor Unit

UNPACKED DIMENSIONS				
SYSTEM	HEIGHT mm	WIDTH mm	DEPTH mm	WEIGHT kg
CXEA 30	467	845	320	18
CXEA 50	467	845	320	20
CXEA 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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T: 01484 405 666
E: sales@marstair.com



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

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