MARSTAIR
REFRIGERATION AND SPECIALIST AIR CONDITIONING

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17 Series CXE R407C cellar cooling Multi-split systems



THE POPULAR CXE CELLARATOR IS NOW AVAILABLE AS EITHER A TWIN OR TRIPLE SPLIT SYSTEM. THESE NEW SYSTEMS ARE IDEAL FOR THE LARGER OR IRREGULAR SHAPED CELLARS.

- New contemporary marble effect grey colour evaporator.
- Smaller tubes within the heat exchangers requiring lower refrigerant changes
- Condensing units supplied with Nitrogen holding charge

With its revolutionary one piece molded body, impregnated with an anti-bacterial additive, the CXE is ideal for cellar cooling, food preparation areas and any areas requiring controlled temperatures down to 8°C. The Cellarator provides consistant temperature control with economy, ease of maintenance, flexible positioning,hygiene, safety and reliability.

The multi split cellarator systems consist of 1 condensing unit matched with 1 master evaporator unit and either 1 or 2 slave evaporator units.

Specification

- Capacity range from 4.8 - 11kW @12.7°C Twin Split and 9.1kW - 14.0kW Triple Split.
- Long pipe runs up to 80m
- The unit controls temperatures down to 8°C
- De-ice stat as standard
- Antibacterial agent added to the chassis during the moulding process for complete mold protection throughout the material
- 6 fins-per-inch brewery specification heat exchanger
- Mounting brackets suitable for both wall and ceiling mounting and a waterproof power switch
- Direct access to the electrics at the front of the unit
- ABS drain tray incorporating standard 22mm OD fitting drain stub
- Factory fitted electric heater option 3kW per evaporator
- Outdoor condensing units incorporating a low pressure switch, HP switch, expansion device and low ambient start as standard
- Stylish design chassis with rounded corners for safety



DESIGNED AND BUILT IN THE UK

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Split Systems - Technical Information

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

COOLING DUTY AT 8°C AND 12°C INDOOR AND 27°C EXTERNAL AMBIENT			
Evaporators	Condensing unit	Duty at 8°C (kW)	Duty at 12.7°C (kW)
2 x CXE30	CKC+50	3.90	4.80
2 X CXE50	CKC+80	5.60	6.90
2 X CXE50	CKC+90	6.40	7.30
2 X CXE50	CKC+100	7.30	8.20
2 X CXE70	CKC+100	7.60	8.80
2 X CXE70	CKC+130	8.40	10.00
2 X CXE70	CKC+150	9.50	11.00
3 X CXE50	CKC+100	7.70	9.10
3 X CXE50	CKC+130	8.50	10.20
3 X CXE50	CKC+150	9.80	11.30
3 X CXE50	CKC+165	10.80	12.50
3 X CXE70	CKC+100	8.00	10.00
3 X CXE70	CKC+130	8.90	11.10
3 X CXE70	CKC+150	10.0	11.50
3 X CXE70	CKC+165	11.00	12.70
3 X CXE70	CKC+180	12.50	14.00

Approximate Guide to Cellar Sizing in m3

MODELS		ABOVE GROUND		BELOW GROUND	
Evaporators	Condensing unit	8°C	12.7°C	8°C	12.7°C
2 x CXE30	CKC+50	41	54	50	66
2 X CXE50	CKC+80	66	88	81	106
2 X CXE50	CKC+90	79	94	96	114
2 X CXE50	CKC+100	94	110	114	132
2 X CXE70	CKC+100	100	121	120	145
2 X CXE70	CKC+130	114	143	136	171
2 X CXE70	CKC+150	134	163	160	194
3 X CXE50	CKC+100	101	127	122	151
3 X CXE50	CKC+130	116	147	139	176
3 X CXE50	CKC+150	140	169	167	201
3 X CXE50	CKC+165	159	193	189	229
3 X CXE70	CKC+100	107	143	128	171
3 X CXE70	CKC+130	123	165	147	196
3 X CXE70	CKC+150	143	173	171	205
3 X CXE70	CKC+165	163	197	194	234
3 X CXE70	CKC+180	193	224	229	265

Please note: A seperate expansion device will be required for all system matches.



CKC+ (OUTDOOR) STANDARD FEATURES
Fan Speed Head Pressure Control, HP Switch Auto,
LP Switch Auto, Low Ambient Start, Three Minute Delay Timer,
Random Start, Contactor

Dimensions & Weights

CXE INDOOR DIMENSIONS AND WEIGHTS				
Model	Width (mm)	Depth (mm)	Height (mm)	Weight (Kg)
CXE 30	845	320	467	18
CXE 50	845	320	467	20
CXE 70	845	320	467	23

CKC+ OUTDOOR DIMENSIONS AND WEIGHTS					
MODEL	Width (mm)	Depth (mm)	Height (mm)	WEIGHT KG	
				1Ph	3Ph
CKC+ 50	1000	300	660	64	62
CKC+ 80	1000	300	660	66	64
CKC+ 90	1000	350	760	76	73
CKC+ 100	1000	350	760	-	81
CKC+ 130	1000	425	1020	-	101
CKC+ 150	1000	425	1020	-	103
CKC+ 165	1000	425	1020	-	103
CKC+ 180	1100	425	1215	-	118

We are the trusted partner for HVAC-R product solutions. Contact the specialists today for help and advice on your next project.

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bsi. ISO 9001 Quality Management ISO 14001 Environmental Management
Certificate No. FM 00671 EMS 91502

CE

In partnership with QUARTZ FAN COILS AND HVAC

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

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