

Benefits

The innovative CX(E) Cellarator split system is designed to help the licensed trade maintain a cooled environment more effectively than ever before.

With its revolutionary one piece molded body, impregnated with an anti-bacterial additive, the CX(E) is ideal for cellar cooling, food preparation areas and any areas requiring controlled temperatures down to 4°C.

The Cellarator provides consistent temperature control with economy, ease of maintenance, flexible positioning, hygiene, safety and reliability.

These benefits are reflected in an impressive range of features offered by the CX(E) Cellarator.

The Cellarator is available in 2 versions:

CX Electromechanical (this unit has optional digital temperature display)

CX(E) with electronic control

The unit weights are:

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

The unit dimensions for **CX(E) 30 - 70** are:
467mm x 845mm x 320mm



Cellarator CX(E)



Specification

- Available in 10 capacities from 2.3-6.8kW
- Long pipe runs up to 80m (CKR systems 15m)
- Choice of low noise outdoor units
- The unit controls temperatures down to 4°C (dependent upon system match)
- A de-ice stat is standard on CXE electronic units
- Designed with a molded polymer cabinet impregnated with an anti-bacterial additive to help prevent mould growth
- A 6 fins-per-inch brewery specification heat exchanger
- Rounded corners, 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
- Easy to install field fit electric heater kit with factory fit option
- Air throws to suit all applications
- Choice of weatherproof outdoor condensing units incorporating a low pressure switch, HP switch and low ambient start as standard



Technical Information

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

CKC Systems

| Above ground | Below ground | |
|--------------------------|--------------|--------|
| Cellar in m ³ | 8°C | 12.7°C |
| CX(E)30/CKC20 | 20 | 26 |
| CX(E)40/CKC30 | 25 | 30 |
| CX(E)50/CKC50 | 35 | 42 |
| CX(E)70/CKC80 | 65 | 78 |

CKR Systems

| Above ground | Below ground | |
|--------------------------|--------------|--------|
| Cellar in m ³ | 8°C | 12.7°C |
| CX(E)30/CKR30 | 22 | 28 |
| CX(E)50/CKR50 | 35 | 42 |
| CX(E)70/CKR80 | 53 | 65 |

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

| CKC System | Cellar 8°C | | | Cellar 12.7°C | | | System Connections | |
|-----------------|------------|---------|------|---------------|---------|------|--------------------|--------|
| | 27°C | | | | | | Suction | Liquid |
| Ambient | TD (kW) | SD (kW) | SHR | TD (kW) | SD (kW) | SHR | | |
| CX(E)30 / CKC20 | 2.27 | 1.70 | 0.75 | 2.80 | 2.10 | 0.75 | 1/2" | 3/8" |
| CX(E)40 / CKC30 | 2.67 | 1.82 | 0.68 | 3.30 | 2.24 | 0.68 | 1/2" | 3/8" |
| CX(E)50 / CKC50 | 3.73 | 2.46 | 0.66 | 4.60 | 3.02 | 0.66 | 1/2" | 3/8" |
| CX(E)70 / CKC80 | 5.51 | 3.47 | 0.63 | 6.80 | 4.30 | 0.63 | 5/8" | 1/2" |

| CKR System | Cellar 8°C | | | Cellar 12.7°C | | | System Connections | |
|-----------------|------------|---------|------|---------------|---------|------|--------------------|--------|
| | 27°C | | | | | | Suction | Liquid |
| Ambient | TD (kW) | SD (kW) | SHR | TD (kW) | SD (kW) | SHR | | |
| CX(E)30 / CKR30 | 2.41 | 1.85 | 0.77 | 3.00 | 2.30 | 0.77 | 1/2" | 3/8" |
| CX(E)50 / CKR50 | 3.69 | 2.81 | 0.76 | 4.60 | 3.50 | 0.76 | 1/2" | 3/8" |
| CX(E)70 / CKR80 | 4.58 | 3.05 | 0.67 | 5.70 | 3.80 | 0.67 | 5/8" | 1/2" |

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

| CKC System | Cellar 4°C | | | System Connections | |
|---------------|------------|---------|------|--------------------|--------|
| | 27°C | | | Suction | Liquid |
| Ambient | TD (kW) | SD (kW) | SHR | | |
| CXE40 / CKC20 | 2.30 | 2.00 | 0.85 | 1/2" | 3/8" |
| CXE50 / CKC40 | 3.50 | 2.80 | 0.80 | 1/2" | 3/8" |
| CXE70 / CKC60 | 5.00 | 3.50 | 0.70 | 5/8" | 3/8" |

Options & Matches



CKR Outdoor Condensing Unit

CKR30 - 545mm x 795mm x 320mm - 39kg
 CKR50 - 605mm x 850mm x 345mm - 48kg
 CKR80 - 700mm x 870mm x 360mm - 62kg

Standard features:

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

CKC Outdoor Condensing Unit

CKC20 - 620mm x 900mm x 310mm - 46kg
 CKC30 - 620mm x 900mm x 310mm - 48kg
 CKC50 - 720mm x 1000mm x 310mm - 64kg
 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.

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For full design or technical information on all systems, please refer to the relevant technical manual or contact TEV technical department. We reserve the right to alter designs and specifications at any time without notification.

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