

DON'T
FORGET....
WE ALSO
SUPPLY A RANGE
OF COMMERCIAL
CONDENSING
UNITS

JCC Cellar Coolers PRODUCT RANGE



► TWIN CELLAR COOLER SELECTION GUIDE



QUICK SELECTION GUIDE

| | Quick Selection @ 10°C | | Cooling Capacities kW @ 32°C Ambient | | | | |
|------------------------------------|--------------------------------|--------------------------------|--------------------------------------|-----|-----|------|------|
| | Above ground (max. room m³) | Below ground (max. room m³) | 4°C | 6°C | 8°C | 10°C | 12°C |
| (2x) JCC2-40E / JEHS-0300-B2-M-1/3 | 100 | 155 | 6.0 | 6.4 | 6.9 | 7.2 | 7.8 |
| (2x) JCC2-50E / JEHS-0350-B3-M-1/3 | 135 | 185 | 7.3 | 7.7 | 8.1 | 8.4 | 8.9 |
| (2x) JCC2-60E / JEHS-0400-B3-M-1/3 | 160 | 220 | 8.4 | 9.1 | 9.7 | 10.2 | 10.8 |

Criteria:

- Above based on typical UK cellar construction
- 32°C ambient (21°C for below ground); 12.7°C db/10°C wb
- Maximum product load of 16 l/m³, entering room at max temp of 21°C
- Product cooling time 24 hours, plant running time of 18 hours a day
- Cooling capacities based on R404A refrigerant

GENERAL SPECIFICATIONS

| Nominal Cooling Capacity | Evaporator Models | Power Supply | FLC | SFR | Unit Airflow | Noise Level | Condensing Unit Model | Power Supply | MCC | LRC | SFR | Unit Airflow | Noise Level | Maximum Pipe Run |
|--------------------------|-------------------|--------------|-----------|--------|--------------|-------------|--------------------------------------|----------------------|--------------|---------------|----------|--------------|-------------|------------------|
| kW | | (V/Ph/Hz) | (Amps) | (Amps) | M³/h | dB(A) | | (V/Ph/Hz) | (Amps) | (Amps) | (Amps) | M³/h | dB(A) | M |
| 7.2 | (2x) JCC2-40E | 230/1/50 | (2x) 0.73 | 6 | (2x) 2270 | (2x) 48 | JEHS-0300-B2-M-1 JEHS-0300-B2-M-3 | 230/1/50 400/3/50 | 21.5 10.3 | 82.0 40.0 | 25 16 | 2700 | 36 | 50 |
| 8.4 | (2x) JCC2-50E | 230/1/50 | (2x) 0.73 | 6 | (2x) 2680 | (2x) 47 | JEHS-0350-B3-M1 JEHS-0350-B3-M3 | 230/1/50 400/3/50 | 25.0 9.0 | 97.0 46.0 | 32 20 | 4250 | 37 | 50 |
| 10.2 | (2x) JCC2-60E | 230/1/50 | (2x) 0.73 | 6 | (2x) 2560 | (2x) 47 | JEHS-0400-B3-M1 JEHS-0400-B3-M3 | 230/1/50 400/3/50 | 28.0 11.0 | 114.0 50.0 | 40 20 | 4250 | 37 | 50 |

Criteria:

- Noise levels are free field at 10m
- Nominal cooling capacities quoted at 10°C room/32°C ambient with R404A refrigerant
- Maximum airthrow for indoor units is 8m
- SFR = Suggested Fuse Rating (Motor Rated for Outdoor Unit)
- Maximum pipe run is total equivalent length of all piping

WEIGHTS & DIMENSIONS

| Model Indoor | Width ① (mm) | Depth ② (mm) | Height (mm) | Weight (Kg) | Model Outdoor | Width (mm) | Depth (mm) | Height (mm) | Weight (Kg) |
|--------------|--------------|--------------|-------------|-------------|--------------------|------------|------------|-------------|-------------|
| JCC2 40E | 865 | 372 | 489 | 33 | JEHS-0300-B2-M-1/3 | 1101 | 444 | 662 | 74 |
| JCC2 50E | 902 | 370 | 545 | 36 | JEHS-0350-B3-M-1/3 | 1353 | 575 | 872 | 112 |
| JCC2 60E | 902 | 370 | 545 | 38 | JEHS-0400-B3-M-1/3 | 1353 | 575 | 872 | 119 |

① Indoor unit width excludes pipe services - add approximately 70mm

② Indoor unit depth excludes fan motor - add approximately 90mm

NOTE

J & E Hall JCC cellar cooler systems contain fluorinated greenhouse gases and Twin cellar cooler systems functioning relies on fluorinated greenhouse gases. This table illustrates refrigerants used, GWP values and Tonnes CO₂ equivalent calculation.

| Refrigerants | GWP | TCO ₂ eq (Tonnes CO ₂ equivalent) |
|--------------|------|---|
| R404A | 3922 | GWP x total system refrigerant charge (Kgs) 1000 |
| R407A | 2107 | |
| R407F | 1825 | |
| R410A | 2088 | |
| R448A | 1387 | |
| R449A | 1397 | |

JTCC_2.2_0618

Hansard Gate, West Meadows, Derby, DE21 6JN

T: 01332 253400

E: marketing@jehall.co.uk

@jehallfridge

www.jehall.com



J&E Hall
International

JCC Cellar Coolers

PRODUCT RANGE 2018



J&E Hall
International



DON'T
FORGET....
AIR
STRAIGHTENER
ALSO AVAILABLE

JCC Cellar Coolers
PRODUCT RANGE

JCC CELLAR COOLERS R410A

The JCC cellar cooler range provides a cost effective and reliable solution designed to maintain temperatures required for beer and wine cellars. The ability of electronic control down to 4°C* also prolongs the life of fresh fruit and vegetables, flowers, dairy products and other items requiring a temperature controlled environment.

The indoor units utilise brewery specification 6 fins per inch evaporator coils and are manufactured to the highest specifications. Units can be wall or ceiling mounted to maximise space, without the use of additional brackets.

- ▶ 25m pipe run capability for total flexibility
- ▶ Ease of installation keeps costs and time to a minimum
- ▶ 3 year manufacturer's warranty gives total peace of mind
- ▶ Low noise suitable for residential areas
- ▶ Operates down to 4°C* and can be used for many types of product cooling
- ▶ Electronic controller as standard giving accurate temperature control

* **Note**
For applications where pipe runs are not exceeding 15m in length minimum room temperature of 4°C can be achieved, over 15m then minimum room temperature is 6°C. For applications where pipe runs exceed 15m in length a condenser fan speed controller should be fitted within the system (supplied by the wholesaler).

JCC TWIN CELLAR COOLERS

To expand the application of the current cellar cooler range, JCC evaporators can be paired with J & E Hall's Fusion Scroll condensing units for increased cooling capacities and longer pipe runs.

The market leading condensing units come fully dressed with a prewired control panel and include a fan speed controller and highly efficient Copeland scroll compressor.

- ▶ Operates down to 4°C
- ▶ Low noise outdoor units
- ▶ Ease of installation
- ▶ Long pipe runs to 50m
- ▶ Electronic temperature controller
- ▶ Refrigerant R404A / R407A / R407F R448A / R449A



INDOOR UNIT



OUTDOOR UNITS



INDOOR UNITS

OUTDOOR UNIT

JCC CELLAR COOLER SPECIFICATIONS

R410A



QUICK SELECTION GUIDE

| | Quick Selection @ 12.7°C | | Cooling Capacities kW @ 32°C Ambient | | | | |
|--------------------|--------------------------------|--------------------------------|--------------------------------------|------|------|--------|------|
| | Above ground (max. room m³) | Below ground (max. room m³) | 4°C | 8°C | 10°C | 12.7°C | 16°C |
| JCC2 25E / J5LC15C | 25 | 45 | 2.70 | 2.78 | 2.82 | 2.87 | 2.94 |
| JCC2 40E / J5LC20C | 48 | 70 | 3.78 | 4.02 | 4.14 | 4.31 | 4.53 |
| JCC2 50E / J5LC25C | 56 | 90 | 4.19 | 4.45 | 4.59 | 4.78 | 5.02 |
| JCC2 60E / J5LC28C | 70 | 120 | 5.29 | 5.53 | 5.65 | 5.82 | 6.03 |

Criteria:
• Above based on typical UK cellar construction
• 32°C ambient (21°C for below ground); 12.7°C db/10°C wb
• Maximum product load of 16 l/m³, entering room at max temp of 21°C
• Product cooling time 24 hours, plant running time of 18 hours a day

GENERAL SPECIFICATIONS

| Model | Nominal Cooling Capacity | Unit Airflow | Noise Level | System Pipe Sizes | | Maximum Pipe Run | | Power Supply | FLA | LRA | Power To... | Inter Connecting Cable | Fuse Rating |
|----------|--------------------------|--------------|-------------|-------------------|---------|------------------|------|--------------|--------|--------|-------------|------------------------|-------------|
| | kW | M³/h | dB(A) | Liquid | Suction | Length | Rise | (V/Ph/Hz) | (Amps) | (Amps) | | | (Amps) |
| JCC2 25E | 2.87 | 2560 | 48 | 1/4" | 1/2" | 25m | 5m | 230/1/50 | 6.2 | N/A | Indoor | 3 Core | 16 |
| J5LC15C | | 1631 | 29 | | | | | | | 24 | | | |
| JCC2 40E | 4.31 | 2270 | 48 | 1/4" | 1/2" | 25m | 8m | 230/1/50 | 7.7 | N/A | Indoor | 3 Core | 20 |
| J5LC20C | | 2208 | 29 | | | | | | | 27 | | | |
| JCC2 50E | 4.78 | 2680 | 47 | 1/4" | 5/8" | 25m | 8m | 230/1/50 | 8.8 | N/A | Indoor | 3 Core | 25 |
| J5LC25C | | 2480 | 32 | | | | | | | 63 | | | |
| JCC2 60E | 5.82 | 2560 | 47 | 3/8" | 5/8" | 25m | 8m | 230/1/50 | 12.9 | N/A | Indoor | 3 Core | 32 |
| J5LC28C | | 2463 | 34 | | | | | | | 65 | | | |

① Reducer required on indoor unit
Liquid line is the expansion line and as such requires insulating

| Criteria | Model | Pre-charged with | TCO ₂ Eq |
|---|----------|--|---------------------|
| • Noise levels are free field at 10m • Nominal cooling capacities quoted @ 12.7°Cdb / 10°Cwb internal, 32°C ambient • Condensing units are pre-charged for up to 7.6m pipe run • The maximum pipe run must include the rise - the rise is not additional to the length | JCC2 25E | 0.83kg R410A Additional charge 10g per metre | 1.73 |
| | JCC2 40E | 1.38kg R410A Additional charge 15g per metre | 2.88 |
| | JCC2 50E | 1.54kg R410A Additional charge 15g per metre | 3.22 |
| | JCC2 60E | 1.80kg R410A Additional charge 20g per metre | 3.76 |

WEIGHTS & DIMENSIONS

| Model Indoor | Width ① (mm) | Depth ② (mm) | Height (mm) | Weight (Kg) | Model Outdoor | Width (mm) | Depth (mm) | Height (mm) | Weight (Kg) |
|--------------|--------------|--------------|-------------|-------------|---------------|------------|------------|-------------|-------------|
| JCC2 25E | 865 | 372 | 489 | 31 | J5LC15C | 700 | 250 | 540 | 30 |
| JCC2 40E | 865 | 372 | 489 | 33 | J5LC20C | 855 | 328 | 654 | 47 |
| JCC2 50E | 902 | 370 | 545 | 36 | J5LC25C | 855 | 328 | 756 | 50 |
| JCC2 60E | 902 | 370 | 545 | 38 | J5LC28C | 855 | 328 | 756 | 57 |

① Indoor unit width excludes pipe services - add approximately 70mm
② Indoor unit depth excludes fan motor - add approximately 90mm

