



# JCC Cellar Coolers

**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.



**R410A**

- ▶ **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**
- ▶ **R410A is a low cost and readily available refrigerant**
- ▶ **Operates down to 4°C\* and can be used for many types of product cooling**
- ▶ **Electronic controller as standard giving accurate temperature control**
- ▶ **F-Gas compliant**

**\* 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).

## 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

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CELLAR COOLERS

## SPECIFICATIONS

R410A



INDOOR UNIT



OUTDOOR UNITS



### 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	M <sup>3</sup> /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 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"	① 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

<b>Criteria:</b> <ul style="list-style-type: none"> <li>Noise levels are free field at 10m</li> <li>Nominal cooling capacities quoted @ 12.7°Cdb / 10°Cwb internal, 32°C ambient</li> <li>Condensing units are pre-charged for up to 7.6m pipe run</li> <li>The maximum pipe run must include the rise - the rise is not additional to the length</li> </ul>	JCC2 25E	Pre-charged with 0.83kg R410A Additional charge 10g per metre*
	JCC2 40E	Pre-charged with 1.38kg R410A Additional charge 15g per metre*
	JCC2 50E	Pre-charged with 1.54kg R410A Additional charge 15g per metre*
	JCC2 60E	Pre-charged with 1.80kg R410A Additional charge 20g per metre*

### 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	34
JCC2 40E	865	372	489	34	J5LC20C	855	328	654	57
JCC2 50E	902	370	545	36	J5LC25C	855	328	756	60
JCC2 60E	902	370	545	38	J5LC28C	855	328	756	65

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. This table illustrates refrigerants used, GWP values and Tonnes CO<sub>2</sub> equivalent calculation.

Refrigerants	GWP	TCO <sub>2</sub> eq (Tonnes CO <sub>2</sub> equivalent)
R410A	2088	GWP x total system refrigerant charge (Kgs) 1000

JCC\_2.1\_1120

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