

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

JCC Cellar Coolers PRODUCT RANGE



▶ TWIN CELLAR COOLER SELECTION GUIDE

R404A R407A R407F



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-M-1/3	135	185	7.3	7.7	8.1	8.4	8.9
(2x) JCC2 60E/JEHS-0400-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

GENERAL SPECIFICATIONS

Nominal Cooling Capacity	Evaporator Models	Power Supply	FLC	SFR	Unit Airflow	Noise Level	Condensing Unit Model	Cooling Capacities kW @ 32°C Ambient						
								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	230/1/50	21.5	82.0	25	2700	36	50
							JEHS-0300-B2-M-3	400/3/50	10.3	40.0	16			
8.4	(2x) JCC2-50E	230/1/50	(2x) 0.73	6	(2x) 2680	(2x) 47	JEHS-0350-M-1	230/1/50	26.5	97.0	32	6050	35	50
							JEHS-0350-M-3	400/3/50	9.0	46.0	20			
10.2	(2x) JCC2-60E	230/1/50	(2x) 0.73	6	(2x) 2560	(2x) 47	JEHS-0400-M-1	230/1/50	28.0	114.0	40	6050	34	50
							JEHS-0400-M-3	400/3/50	11.0	50.0	20			

Criteria:
 • Noise levels are free field at 10m
 • Nominal cooling capacities quoted at 10°C room/32°C ambient with R404A refrigerant
 • 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	34	JEHS-0300-B2-M-1/3	1101	444	662	74
JCC2 50E	902	370	545	36	JEHS-0350-M-1/3	1332	556	884	114
JCC2 60E	902	370	545	38	JEHS-0400-M-1/3	1347	556	884	121

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	

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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**
- ▶ **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**

* **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).

▶ 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**

R404A R407A R407F



OUTDOOR UNIT

INDOOR UNIT



OUTDOOR UNITS



INDOOR UNITS

▶ JCC CELLAR COOLER SPECIFICATIONS

R410A



QUICK SELECTION GUIDE

	Quick Selection @ 12.7°C		Cooling Capacities kW @ 32°C Ambient				
	Above ground (max. room m ³)	Below ground (max. room m ³)	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:
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 • 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 kW	Unit Airflow M ³ /h	Noise Level dB(A)	System Pipe Sizes		Maximum Pipe Run		Power Supply (V/Ph/Hz)	FLA (Amps)	LRA (Amps)	Power To...	Inter Connecting Cable	Fuse Rating (Amps)
				Liquid	Suction	Length	Rise						
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										
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										
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										
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										

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

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

