

JCC CELLAR COOLERS / TWIN CELLAR COOLERS



# CELLAR COOLER RANGE



## ▶ JCC CELLAR COOLERS

R410A

INDOOR UNIT

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 in powder coated mild steel for ease of cleaning. Units can be wall or ceiling mounted to maximise space, without the use of additional brackets.

- ▶ Operates down to 4°C
- ▶ Low noise
- ▶ Cost effective solution
- ▶ Small footprint
- ▶ Ease of installation
- ▶ Accurate temperature control
- ▶ Refrigerant R410A



OUTDOOR UNIT

## ▶ TWIN CELLAR COOLERS

R404A

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
- ▶ Electronic temperature controller
- ▶ Refrigerant R404A



INDOOR UNITS



OUTDOOR UNIT

# CELLAR COOLER RANGE

## ► 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).

- Maximum product load of 16 l/m<sup>3</sup>, 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
				Liquid	Suction	Length	Rise						
JCC2 25E	2.87	1.04	48	1/4"	1/2"	12m	5m	230/1/50	5.9	N/A	Indoor	3 Core	16
J5LC15C		0.45	29							24			
JCC2 40E	4.31	1.04	48	1/4"	*1/2"	15m	8m	230/1/50	7.3	N/A	Indoor	3 Core	20
J5LC20C		0.61	29							27			
JCC2 50E	4.78	1.04	47	1/4"	5/8"	15m	8m	230/1/50	8.4	N/A	Indoor	3 Core	25
J5LC25C		0.69	32							63			
JCC2 60E	5.82	1.04	47	3/8"	*5/8"	15m	8m	230/1/50	12.1	N/A	Indoor	3 Core	32
J5LC28C		0.68	34							65			

\* 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 20g 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 20g per metre*
• Condensing units are pre-charged for up to 7.6m pipe run	JCC2 50E	Pre-charged with 1.54kg R410A Additional charge 20g 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 50g 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

# CELLAR COOLER RANGE

## ► TWIN CELLAR COOLER SELECTION GUIDE

R404A



### QUICK SELECTION GUIDE

	Quick Selection @ 10°C		Cooling Capacities kW @ 32°C Ambient				
	Above ground (max. room m <sup>3</sup> )	Below ground (max. room m <sup>3</sup> )	4°C	6°C	8°C	10°C	12°C
(2x) JCC2 40E/JEHS-0300-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).
- Maximum product load of 16 l/m<sup>3</sup>, 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	Power Supply	MCC	LRC	SFR	Unit Airflow	Noise Level	Maximum Pipe Run
kW		(V/Ph/Hz)	(Amps)	(Amps)	M <sup>3</sup> /s	dB(A)		(V/Ph/Hz)	(Amps)	(Amps)	(Amps)	M <sup>3</sup> /s	dB(A)	M
7.2	(2x) JCC2-40E	230/1/50	(2x) 0.73	6	(2x) 1.04	(2x) 48	JEHS-0300-M-1	230/1/50	21.5	82.0	25	0.73	34	50
							JEHS-0300-M-3	400/3/50	10.3	40.0	16			
8.4	(2x) JCC2-50E	230/1/50	(2x) 0.73	6	(2x) 1.04	(2x) 47	JEHS-0350-M-1	230/1/50	26.5	97.0	32	1.68	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) 1.04	(2x) 47	JEHS-0400-M-1	230/1/50	28.0	114.0	40	1.68	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)

### 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-M-1/3	1108	478	650	92
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