



JCC3 Cellar Coolers

QUESTION & ANSWER SHEET

What is the room operating temperature range?	4°C to 16°C (Lower limit 6°C when pipe run is over 15m)
Type of refrigerant	R448A or R449A
What are the maximum pipe runs?	25m (must include any rise in pipe work)
Are the units pre-charged?	No - the units are not pre-charged with refrigerant
What additional refrigerant charge is required for longer pipe runs?	12 g/m for the size 25, 6 g/m for the size 40 and 15 g/m for the size 55
What type of connections does the unit have?	Brazed indoor and outdoor
Where does expansion take place?	Outdoor unit
Do both liquid and suction lines need insulating?	Yes - because the expansion device (capillary) is on the outdoor unit
Where are the LP & HP switches fitted?	LP switch fitted on indoor unit and HP switch fitted on outdoor unit
What power supply is required?	Single phase
Where should the power supply be fed to?	Power is to the indoor unit
Do the units come with an isolator fitted?	No - only a rocker switch for the indoor fan and controller. Systems require a mains isolator to be supplied and fitted externally
Are any additional components required for longer pipe runs?	Yes - a condenser fan speed controller must be fitted if the pipe run is longer than 15m
What core cable is required between indoor and outdoor units?	3 core for power (L/N/E) and 2 core for HP switch
Does the unit have a pump down facility?	No

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What is the capacity range?	2.67kW to 5.33kW (at 10°C room & 32°C ambient)
What make of controller is used?	Dixell
Do the controllers come pre-programmed?	Yes - settings are already programmed into the controllers at the factory. For most applications, only the temperature set point will require adjusting
Is there a defrost facility on the controller?	Yes
Is it possible to stop customers adjusting the controller?	Yes - the keys on the controller can be locked with a simple operation
Do the systems provide heating?	No - they are designed as a cost effective cooling only system
Number of fins on the evaporator?	6 fins per inch as per brewery specification
Type of compressor?	Panasonic rotary compressor
Can they be used for other products?	Yes - as they are able to get down to 4°C, they are suitable for other products such as flowers, fruit and vegetables
Is there a multi-system available?	Yes - Twin Evaporator systems are available in our Cellar+ range
How are they mounted?	Indoor unit has four strengthened mounting holes on top of the unit and two on the back of the unit. Therefore no additional mounting brackets are required. Outdoor units can be mounted on a flat surface or on brackets
What is the warranty period?	Three years

Ref: JCC3 Crib sheet 0624