



your comfort. our world.



LRYEQ

CVP
One total solution

CVP is a compact, low noise system which combines high and low temperature* refrigeration with heating and cooling. A total solution helping retailers save energy and reduce costs.

Retailers are faced with a growing need for fresh goods, prepared meals and chilled drinks. At the same time, environmental and zoning requirements are stricter than ever and energy costs must be kept under control. CVP minimises total energy demand due to its unique, integrated approach to refrigeration and air conditioning.

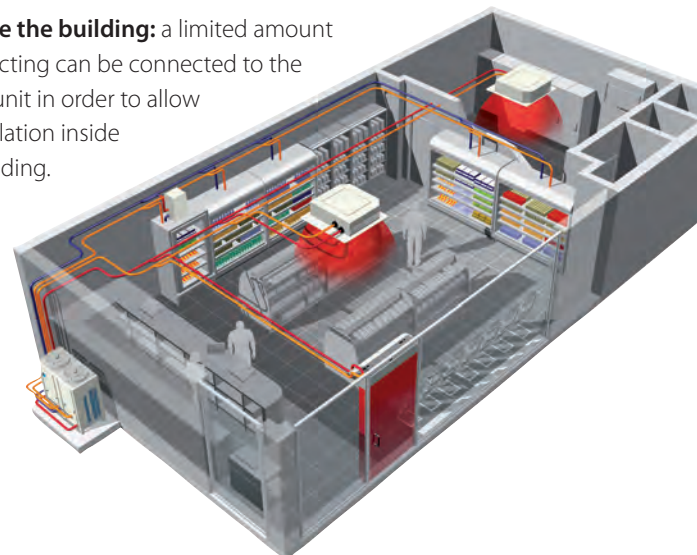
CVP is unique in combining refrigeration and air conditioning equipment in one total solution using the latest controls and inverter technology in order to maximize energy efficiency. The system can be connected to essentially all refrigeration applications and is supplied with a wide range of air conditioning indoor units to respond to all shop requirements. An optional booster unit is available for low temperature refrigeration.

Configuration and installation flexibility

The CVP concept allows a wide range of installation possibilities in order to suit the variety of conditions met on-site:

- > **Configurations:** multiple outdoor units can be positioned to make the best use of the space available, in blocks, rows or distributed around the building to minimize pipe runs.

- > **Distance:** the length of piping between the outdoor unit and the furthest refrigeration cabinet or air conditioning indoor unit on the circuit can be up to 130m.
- > **Height:** the outdoor unit can be placed up to 35m above the lowest cabinet/indoor unit, or up to 10m below the highest refrigeration cabinet/air conditioning unit.
- > **Inside the building:** a limited amount of ducting can be connected to the CVP unit in order to allow installation inside a building.



*When connected to booster unit



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BENEFITS

Optimum efficiency: inverter driven outdoor units match system output to the actual demand in order to reach optimum efficiency under all conditions.

Save energy: by recovering the heat extracted from the connected refrigeration appliances and by using sophisticated controls, saving energy of up to 50% or more.

Various options: CVP supports a wide variety of refrigeration and cooling units, such as cases and cold rooms.

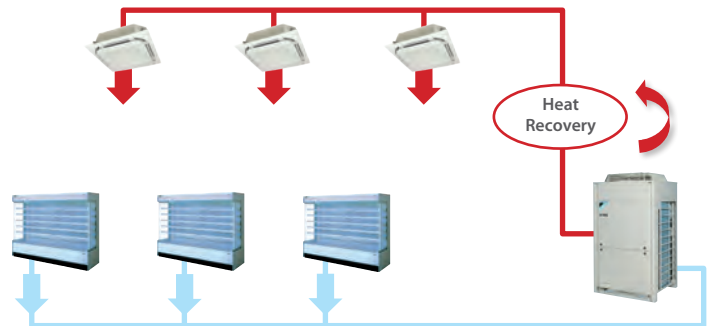
Small footprint: along with reduced piping the small CVP is ideal for densely populated urban areas. Up to 60% smaller footprint compared with conventional installations.

Minimal noise: low operating sound level, with night mode to reduce the sound levels even further.

Flexible: CVP supports a wide variety of indoor units; ducted, roundflow cassettes, Biddle door curtains, ceiling mounted units.

Heat recovery

The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop... at no extra cost!



Freezer booster unit

An optional booster unit is available to allow the connection of freezer showcases or cold rooms.

Low and medium temperature refrigeration

Indoor Units					LRYEQ16AY1				
Casing	Colour				Ivory white (Munsell code: 5Y7.5/1)				
Dimensions	HeightxWidthxDepth			mm	1,680x1,240x765				
Weight					kg	370			
Heat exchanger	Type				Cross fin coil				
Fan	Type				Propeller fan				
	Quantity				2				
Fan motor	Air flow rate	Cooling	Nom.	m ³ /min	230				
	Output				W	750			
Compressor	Drive				Direct drive				
	N ^o of compressors				3				
	Type				Hermetically sealed scroll compressor				
	Piston displacement			m ³ /h	13.34 / 10.53 / 10.53				
	Speed			rpm	6,300 / 2,900 / 2,900				
	Output			W	2,500 / 3,600 / 4,500				
Operation range	Starting method				Direct on line (inverter driven)				
	Frequency ON/OFF				Less than 6 times/hour				
	Evaporator	Cooling	Min.-Max.	°CDB	-20 @ 0~10				
Refrigerant	Type				R-410A				
	Charge			kg	11.5				
	Control				Electronic expansion valve				
Refrigerant oil	Type				Daphne FVC68D				
	Charged volume			l	1.7 (1)				
					2.1 (2)				
					2.1 (3)				
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 380-415				
	Voltage range			%	-10				
Voltage range	Min.			%	-10				
	Max.			%	10				

(1) Compressor 1 | (2) Compressor 2 | (3) Compressor 3 | (4) Factory charge of unit



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



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