



King of Cold



ZANOTTI

a member of **DAIKIN** *group*

Refrigeration excellence since 1962

uniblock[®]
stationary refrigeration

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ZANOTTI IN THE WORLD

Think globally, act locally

HEADQUARTERS Refrigeration excellence since 1962



ZANOTTI SPA
ITALY, PEGOGNAGA (MANTOVA)

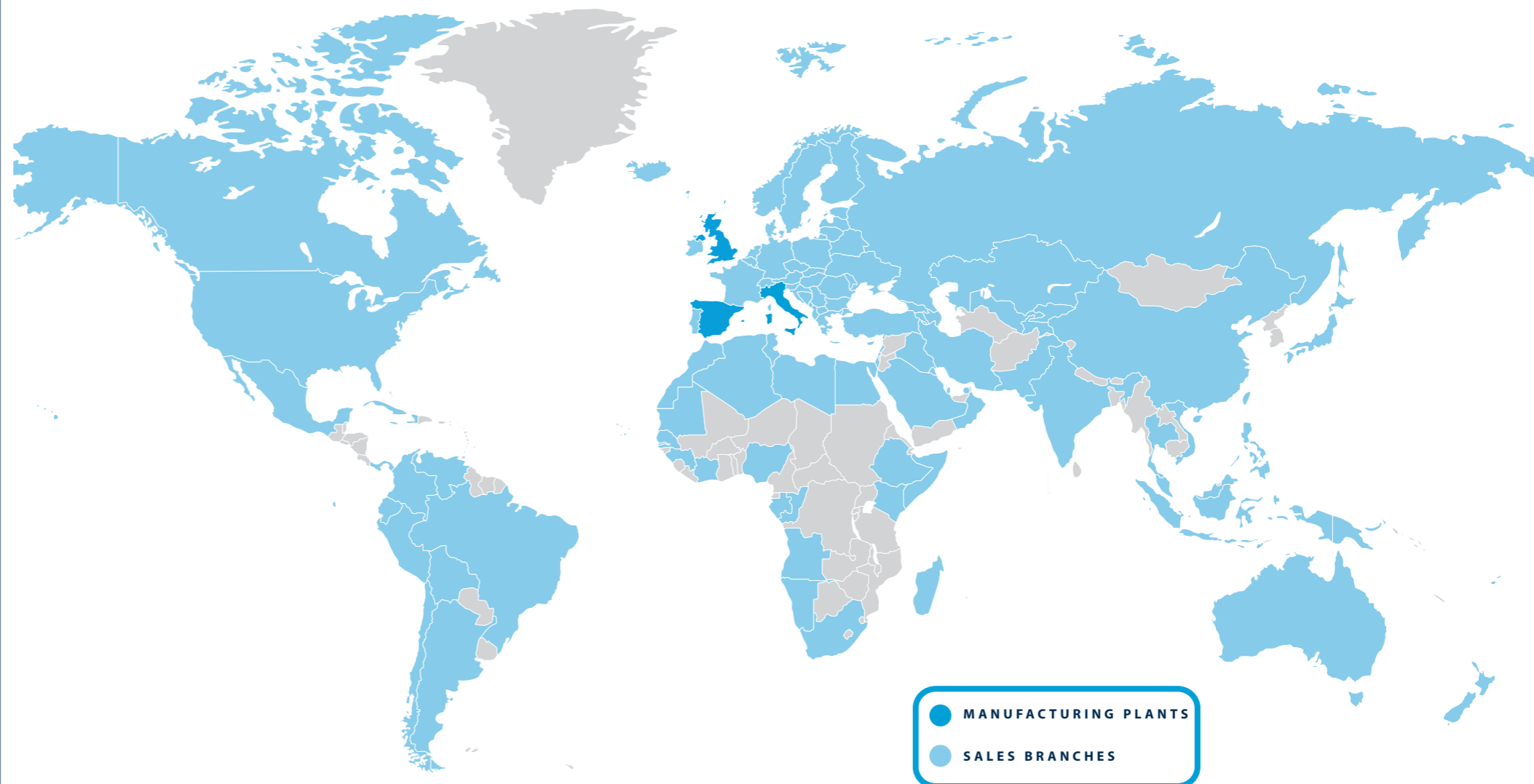


INDUSTRIAL DIVISION
ITALY, BOLOGNA

Zanotti SpA for over 50 years designs, develops, manufactures and tests refrigeration equipment for food storage to cool, preserve and transport food products. Zanotti is a world leader and the company's success is based on the constant research conducted to technologically improve energy saving efficiency and to find customized solutions aimed to meet customer demands. The products developed by Zanotti cover the needs of small to medium-sized cooling necessities, as well as the needs of logistic and storage centers. The transport refrigeration units complete the cooling series specifically designed for the short, medium to long distance transportation of food.



Zanotti SpA, at their headquarters in Pegognaga, Mantova, Italy, self-generates and uses 100% of its energy from renewable sources for use in their production. This, in the commitment to implement solutions that better respect the environment.



- MANUFACTURING PLANTS
- SALES BRANCHES

ZANOTTI SMART SOLUTIONS S P A I N



HUBBARD PRODUCTS LTD UNITED KINGDOM



Today, Zanotti SpA is an International Group with the Italian headquarter and different production plants in Spain and England. Zanotti counts on a strong network of certified suppliers who provide expertise and assistance worldwide as well as, ensure a continuous exchange of ideas, essential in developing new products to satisfy future customer demands.

THE MOST COMPLETE RANGE OF STATIONARY REFRIGERATION UNITS FOR FOOD INDUSTRY



King of Cold



Zanotti manufactures the greatest range of stationary refrigeration under the Uniblock® brand. Single block & bi-block units for small medium large capacities, condensing units and racks for single or multiple users, constitute large part of this product range. These equipment are used in restaurants, super and hypermarkets, grocery stores, distribution centers and fresh food processing plants. Special air treatment system and temperature control solution have been developed for small scale traditional food processing, such as the maturing process of salamis and cheeses, wine conservation and refinement, silos cooling for grain and seeds.



UNIBLOCK



	V80	V100
Medium Temp. (0° C)	4,3 m³ ÷ 1.774 m³	4,9 m³ ÷ 1.949 m³
Low Temp. (-20° C)	1,1 m³ ÷ 1.699 m³	1,2 m³ ÷ 1.938 m³

BI-BLOCK



	V80	V100
Medium Temp. (0° C)	4,6 m³ ÷ 1.774 m³	5,1 m³ ÷ 1.949 m³
Low Temp. (-20° C)	2,3 m³ ÷ 1.699 m³	2,3 m³ ÷ 1.938 m³

CONDENSING UNITS



MULTICOMPRESSORS RACKS



COMPRESSOR SETS, CONDENSERS AND EVAPORATORS UNITS



FOOD PROCESSING



Wine storage cold room	25 m³ ÷ 100 m³
Drying room	5 m³ ÷ 480 m³
Seasoning room	20 m³ ÷ 1.600 m³

CEREALS REFRIGERATION	
GRAINS	Cooling capacity 31.000 W ÷ 129.400 W

ZANOTTI GREEN TECHNOLOGY
Through over 50 years Zanotti acquired know-how also concerns the environmental aspects involved since the products are developed to provide low energy consumptions and reduced noise levels, as to meet the current technological trends that aim to contain greenhouse gas emissions.

CERTIFIED

CERTIFICATIONS FOR EACH COUNTRY

ZANOTTI NEW FRONTIERS OF GREEN SOLUTIONS

Zanotti, always at the forefront of environmentally friendly technology, offers several non-flammable low GWP alternatives to R404A (GWP=3922), which comply with the F-gas regulation and help reduce CO2 emissions.

R513A (GWP=631)

A drop-in for R134A, with a much lower GWP, which requires no design change to the refrigerant system.

R448A, R449A (GWP=1387,1397)

Two very similar drop-ins for R404A for medium and low temperature application, which require only adjustment of the expansion device. Due to their higher discharge temperature they are recommended only with semihermetic and scroll compressors.

R134a (GWP=1430)

A well-known refrigerant with much lower GWP than R452A. Due to its lower volumetric capacity, it requires a larger compressor compared to R404A. Its low saturation pressure and discharge temperature make it the ideal choice for medium temperature applications with hermetic compressors.

R407H (GWP=1495)

A drop-in for R404A which does not contain the expensive HFO molecule. Due to its higher discharge temperature, it has been so far approved for semihermetic and scroll compressors in medium temperature application.

R452A (GWP=2140)

A drop-in for R404A which requires no design change to the refrigerant system. Its discharge temperature comparable to R404A makes it the perfect choice for systems with hermetic compressors in low temperature applications.

APPLICATIONS



GM

The GM series units are monoblock units featuring extremely versatile use. For small and medium size cold rooms, straddle mounted version with option of thru-wall version.



NEW TOUCH SCREEN CONTROL PANEL

Working temperature	+10 ÷ -5 °C		-15 ÷ -25 °C	
	MT	R290 / R513A / R134a / R404A		
Refrigerant	LT		R290 / R407F / R452A	
	Defrost Hot gas			
Compressor type		Hermetic		

*COOLING CAPACITY	
Medium Temp. (0° C)	779 W ÷ 3.652 W
Low Temp. (-20° C)	740 W ÷ 2.985 W

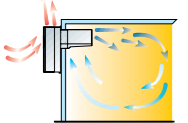
*External reference temperature: 35°C
*Referring refrigerant: R404A

COLD ROOM SIZE



	*REFRIGERATED VOLUME	
	V80	V100
Medium Temp. (0° C)	4,6 m³ ÷ 40 m³	5,1 m³ ÷ 44 m³
Low Temp. (-20° C)	3 m³ ÷ 30 m³	3,4 m³ ÷ 34 m³

INSTALLATION



GM CENTRIFUGAL

Monoblock for the refrigeration of cells installed vertically with provision for outside channeling of the air of the condenser



NEW TOUCH SCREEN CONTROL PANEL

Working temperature	+10 ÷ -5 °C		-15 ÷ -25 °C	
	MT	R513A / R134a / R404A		
Refrigerant	LT		R407F / R452A	
	Defrost Hot gas			
Compressor type		Hermetic		

*COOLING CAPACITY	
Medium Temp. (0° C)	779 W ÷ 3.652 W
Low Temp. (-20° C)	740 W ÷ 2.985 W

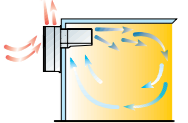
*External reference temperature: 35°C
*Referring refrigerant: R404A

COLD ROOM SIZE



	*REFRIGERATED VOLUME	
	V80	V100
Medium Temp. (0° C)	4,6 m³ ÷ 40 m³	5,1 m³ ÷ 44 m³
Low Temp. (-20° C)	3 m³ ÷ 30 m³	3,4 m³ ÷ 34 m³

INSTALLATION



ZN

These monoblock units have been equipped with hermetic compressor working with R404A. For small and medium size cold rooms, straddle mounted version on the cold room wall.



Working temperature	+10 ÷ -5 °C		-15 ÷ -25 °C	
	MT	R513A / R134a / R404A		
Refrigerant	LT		R407F / R452A	
	Defrost Electric			
Compressor type		Hermetic		

*COOLING CAPACITY	
Medium Temp. (0° C)	760 W ÷ 3.578 W
Low Temp. (-20° C)	655 W ÷ 2.382 W

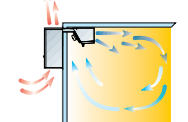
*External reference temperature: 35°C
*Referring refrigerant: R404A

COLD ROOM SIZE



	*REFRIGERATED VOLUME	
	V80	V100
Medium Temp. (0° C)	4,5 m³ ÷ 39 m³	4,9 m³ ÷ 43 m³
Low Temp. (-20° C)	2,3 m³ ÷ 20 m³	2,7 m³ ÷ 23 m³

INSTALLATION



SB

The SB series units are monoblock units featuring extremely versatile use. For small and medium size cold rooms, for roof-mounted installation.

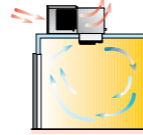


Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	MT	R290 / R513A / R134a / R404A
	LT	R290 / R407F / R452A
Defrost	Hot gas	
Compressor type	Hermetic	

COLD ROOM SIZE



INSTALLATION



*COOLING CAPACITY	
Medium Temp. (0° C)	924 W ÷ 5.844 W
Low Temp. (-20° C)	598 W ÷ 4.068 W

*REFRIGERATED VOLUME		
	V80	V100
Medium Temp. (0° C)	4,6 m³ ÷ 66 m³	5,1 m³ ÷ 72 m³
Low Temp. (-20° C)	1,1 m³ ÷ 39 m³	1,2 m³ ÷ 44 m³

*External reference temperature: 35°C
*Referring refrigerant: R404A

AS

The AS series units are monoblock units featuring extremely versatile use. For medium size cold rooms, thru-wall mounted version.

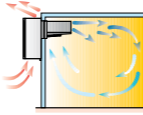


Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	MT	R513A / R134a / R404A
	LT	R407F / R452A
Defrost	Hot gas	
Compressor type	Hermetic	

COLD ROOM SIZE



INSTALLATION



*COOLING CAPACITY	
Medium Temp. (0° C)	5.906 W ÷ 11.872 W
Low Temp. (-20° C)	4.113 W ÷ 8.755 W

*REFRIGERATED VOLUME		
	V80	V100
Medium Temp. (0° C)	73 m³ ÷ 166 m³	80 m³ ÷ 182 m³
Low Temp. (-20° C)	48 m³ ÷ 139 m³	54 m³ ÷ 158 m³

*External reference temperature: 35°C
*Referring refrigerant: R404A

AS-R

AS R Rotary groups are monoblock groups for the swab application on the cell wall suitable for storing fresh or frozen products. The special AS-R range has been developed for cold rooms built on trailers and therefore liable to continuous moving. The use of rotary and scroll compressors is necessary to assure the reliability of the unit.

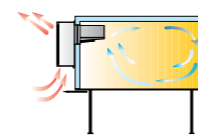


Working temperature	+15 ÷ 0 °C	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	MT	R513A / R134a / R407C / R449A / R404A	
	LT	R449A / R404A	
Defrost	Hot gas		
Compressor type	Hermetic	Scroll	

COLD ROOM SIZE



INSTALLATION



*COOLING CAPACITY	
Medium Temp. (0° C)	1.080 W ÷ 11.872 W
Low Temp. (-20° C)	720 W ÷ 8.755 W

*REFRIGERATED VOLUME		
	V80	V100
Medium Temp. (0° C)	7 m³ ÷ 166 m³	8 m³ ÷ 182 m³
Low Temp. (-20° C)	2 m³ ÷ 139 m³	3 m³ ÷ 158 m³

*External reference temperature: 35°C
*Referring refrigerant: R404A

Multitemperature version available (+5 ÷ -25 °C)

AS-E

The groups of AS E Hermetic series are monoblock units for the swab application on the cell wall suitable for storing fresh or frozen products. This series has been developed outside cells only occasionally moved; for this reason the use of the hermetic compressors mounted on frames specifically designed for outdoor use in the most varied atmospheric conditions without any other need for protection against rain.



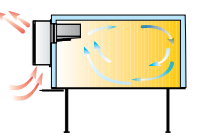
Working temperature	+15 ÷ 0 °C	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	MT	R513A / R134a / R404A	
	LT	R407F / R452A	
Defrost	Hot gas		
Compressor type	Hermetic	Scroll	



COLD ROOM SIZE



INSTALLATION



*COOLING CAPACITY	
Medium Temp. (0° C)	1.080 W ÷ 11.872 W
Low Temp. (-20° C)	720 W ÷ 8.755 W

*REFRIGERATED VOLUME		
	V80	V100
Medium Temp. (0° C)	7 m³ ÷ 166 m³	8 m³ ÷ 182 m³
Low Temp. (-20° C)	2 m³ ÷ 139 m³	3 m³ ÷ 158 m³

*External reference temperature: 35°C
*Referring refrigerant: R404A

Multitemperature version available (+5 ÷ -25 °C)



RS

The RS series units are monoblock units featuring extremely versatile use. For medium and large size cold rooms, thru-wall version and for outside installation without any protection.

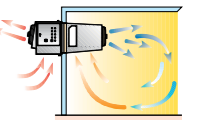


Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R449A / R404A	
Defrost	Electric	
Compressor type	Hermetic	Semi-hermetic

COLD ROOM SIZE



INSTALLATION



*COOLING CAPACITY	
Medium Temp. (0° C)	1.914 W ÷ 40.157 W
Low Temp. (-20° C)	1.447 W ÷ 36.025 W

*REFRIGERATED VOLUME		
	V80	V100
Medium Temp. (0° C)	19 m³ ÷ 865 m³	21 m³ ÷ 951 m³
Low Temp. (-20° C)	9,4 m³ ÷ 991 m³	11 m³ ÷ 1.130 m³

*External reference temperature: 35°C
*Referring refrigerant: R404A

Multitemperature (+5 ÷ -25 °C) and freezing versions available (-30 ÷ -50 °C)

BX

The type of construction of the BX units enables their use outside without any particular protection against the atmospheric agents. For large cold rooms size, thru-wall version, floor standing for outside installation .

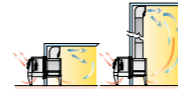


Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R449A / R404A	
Defrost	Electric	
Compressor type	Semi-hermetic	

COLD ROOM SIZE



INSTALLATION



* External reference temperature: 35°C

* Referring refrigerant: R404A

Multitemperature (+5 ÷ -25 °C) and freezing versions available (-30 ÷ -50 °C)

MONOBLOCK INDUSTRIAL UNIT WITH CO2

Monoblock unit for wall mounting (with floor support) suitable for storing fresh or frozen products. Ready-to-use units with an easy installation for medium and large cold room. The best feature is the use of CO2 refrigerant (R744) with a circuit for transcritical cycle operation.



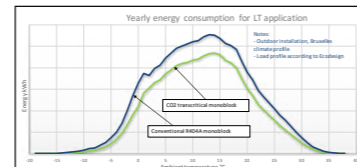
Working temperature	-5 ÷ +5 °C	-15 ÷ -25 °C
Refrigerant	R744	
Type of compressors	semihermetic piston compressor	

*COOLING CAPACITY

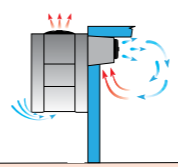
Medium Temp. (0° C)	10000 ÷ 29000 W
Low Temp. (-20° C)	2700 ÷ 23000 W

* External reference temperature: 35°C

* Referring refrigerant: R404A



INSTALLATION



APPLICATIONS



GS

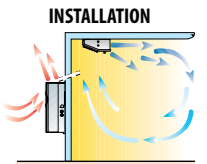


Split system for small and medium size cold rooms, wall mounted condensing unit and ceiling mounted evaporator. Supplied with already installed accessories and pre-charged pipes up to 10 m length. Capillary expansion system and remote control panel. Suitable for outdoor use.



Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R513A / R134a / R452A / R404A	
Defrost	Electric	
Compressor type	Hermetic	

COLD ROOM SIZE



*COOLING CAPACITY

Medium Temp. (0° C)	779 W ÷ 3.652 W
Low Temp. (-20° C)	740 W ÷ 2.985 W

* External reference temperature: 35°C

* Referring refrigerant: R404A

*REFRIGERATED VOLUME

	V80	V100
Medium Temp. (0° C)	4,6 m³ ÷ 40 m³	5,1 m³ ÷ 44 m³
Low Temp. (-20° C)	3 m³ ÷ 30 m³	3,4 m³ ÷ 34 m³

ZD

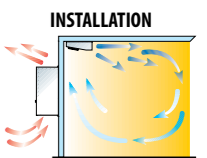


Split system for small and medium size cold rooms, wall mounted condensing unit and ceiling mounted evaporator. Supplied with already installed accessories and pre-charged pipes up to 10 m length. Capillary expansion system and remote control panel.



Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R513A / R134a / R452A / R404A	
Defrost	Electric	
Compressor type	Hermetic	

COLD ROOM SIZE



*COOLING CAPACITY

Medium Temp. (0° C)	785 W ÷ 3.578 W
Low Temp. (-20° C)	655 W ÷ 2.382 W

* External reference temperature: 35°C

* Referring refrigerant: R404A

*REFRIGERATED VOLUME

	V80	V100
Medium Temp. (0° C)	4,6 m³ ÷ 39 m³	5,1 m³ ÷ 43 m³
Low Temp. (-20° C)	2,3 m³ ÷ 20 m³	2,7 m³ ÷ 23 m³



SP-0

The main characteristic of the SP-0 units is that they are a split system with capillary expansion system. Split system for small and medium size cold rooms, floor standing or roof mounted condensing unit, ceiling mounted evaporator. Supplied with already installed accessories and pre-charged pipes up to 10 mt length, remote control panel. Suitable for outdoor use.

Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R513A / R134a / R452A / R404A	
Defrost	Electric	
Compressor type	Hermetic	

*COOLING CAPACITY	
Medium Temp. (0° C)	1.088 W ÷ 3.747 W
Low Temp. (-20° C)	780 W ÷ 2.453 W

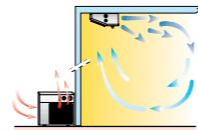
*External reference temperature: 35°C
*Referring refrigerant: R404A

COLD ROOM SIZE



	*REFRIGERATED VOLUME	
	V80	V100
Medium Temp. (0° C)	7,6 m³ ÷ 41 m³	8,3 m³ ÷ 45 m³
Low Temp. (-20° C)	2,8 m³ ÷ 21 m³	3,2 m³ ÷ 24 m³

INSTALLATION



DB-0

The main characteristic of the DB-0 units is that they are a split system with thermostatic expansion valve. Split system for small and medium size cold rooms, condensing unit and evaporator with accessories installed, supplied without piping, remote control panel. Suitable for outdoor use.

Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R513A / R134a / R452A / R404A	
Defrost	Electric	
Compressor type	Hermetic	

*COOLING CAPACITY	
Medium Temp. (0° C)	1.088 W ÷ 14.463 W
Low Temp. (-20° C)	720 W ÷ 12.355 W

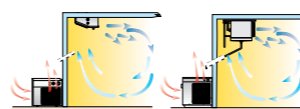
*External reference temperature: 35°C
*Referring refrigerant: R404A

COLD ROOM SIZE



	*REFRIGERATED VOLUME	
	V80	V100
Medium Temp. (0° C)	7,6 m³ ÷ 266 m³	8,3 m³ ÷ 292 m³
Low Temp. (-20° C)	2,8 m³ ÷ 250 m³	3,2 m³ ÷ 286 m³

INSTALLATION



DB-S

DB-S Series units are characterized by a particular configuration reducing noise to the minimum values possible. Split system for small and medium size cold rooms, low noise condensing unit and evaporator with accessories installed, supplied without piping. Thermostatic expansion valve, remote control panel. Suitable for outdoor use.



Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R513A / R134a / R407F / R452A / R404A	
Defrost	Electric	
Compressor type	Hermetic	

*COOLING CAPACITY	
Medium Temp. (0° C)	1.088 W ÷ 12.973 W
Low Temp. (-20° C)	720 W ÷ 11.841 W

*REFRIGERATED VOLUME		
	V80	V100
Medium Temp. (0° C)	7,6 m³ ÷ 233 m³	8,3 m³ ÷ 256 m³
Low Temp. (-20° C)	2,8 m³ ÷ 236 m³	3,2 m³ ÷ 270 m³

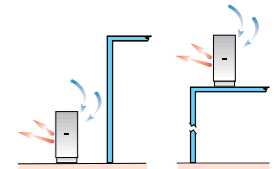
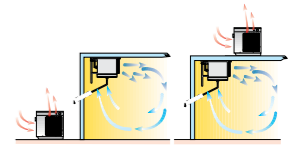
* External reference temperature: 35°C
*Referring refrigerant: R404A

Multitemperature (+5 ÷ -25 °C) version available

COLD ROOM SIZE



INSTALLATION



DB-D

The DB-D series units are split system for medium and big size cold rooms, condensing unit and evaporator supplied with accessories, suitable for outdoor installation without any protection.



Working temperature	+10 ÷ -5 °C	-15 ÷ -25 °C
Refrigerant	R449A / R404A	
Defrost	Electric	
Compressor type	Hermetic Semi-hermetic	

*COOLING CAPACITY	
Medium Temp. (0° C)	1.914 W ÷ 63.311 W
Low Temp. (-20° C)	1.447 W ÷ 51.514 W

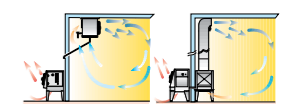
* External reference temperature: 35°C
*Referring refrigerant: R404A

Multitemperature (+5 ÷ -25 °C) and freezing versions available (-30 ÷ -50 °C)

COLD ROOM SIZE



INSTALLATION



APPLICATIONS



CU ~ LOW NOISE CONDENSING UNITS



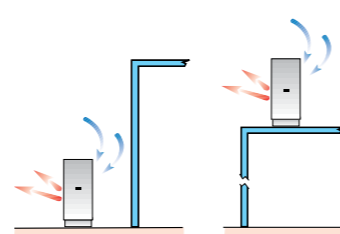
CU Series Low Noise features low noise operation including attenuated compressor compartments. Compact condensing units, with chassis and built-in air condenser, especially designed for external use, low noise and residential. Built with hermetic compressors, scroll or semi-hermetic compressors. The unit can easily be accessed for all maintenance operations on the internal components and it also has a hinged electrical panel.



*External reference temperature: 35°C
*Referring refrigerant: R404A

Working temperature	+5 ÷ -20 °C	-15 ÷ -40 °C
Refrigerant	R513A / R134a / R407F / R449A / R404A	
Compressor type	Hermetic Semi-hermetic Scroll	
*COOLING CAPACITY		
Medium Temp. (0° C)	1.219 W ÷ 96.561 W	
Low Temp. (-20° C)	855 W ÷ 74.739 W	

INSTALLATION



CU TWIN ~ LOW NOISE CONDENSING UNITS

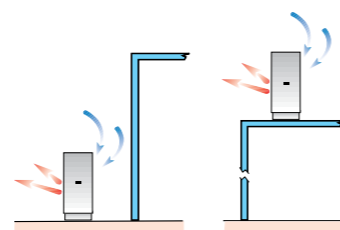


CU Series Low Noise is a mini rack featuring low noise operation including attenuated compressor compartments. Compact and housed condensing units with built-in air cooled condenser, special version for outdoor use, low noise and residential. The units are equipped with 2 hermetic scroll or semihermetic compressors with capacity control.

* External reference temperature: 35°C
*Referring refrigerant: R404A

Working temperature	+5 ÷ -20 °C	-15 ÷ -40 °C
Refrigerant	R513A / R134a / R407F / R449A / R404A	
Compressor type	Semi-hermetic Scroll	
*COOLING CAPACITY		
Medium Temp. (0° C)	11.157 W ÷ 36.127 W	
Low Temp. (-20° C)	10.622 W ÷ 30.336 W	

INSTALLATION



CI ~ LOW NOISE INVERTER CONDENSING UNITS

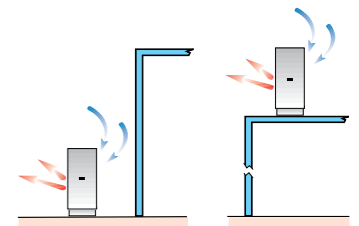


CI Series Low Noise is a mini rack featuring low noise operation including attenuated compressor compartments. Compact condensing units, with chassis and built-in air condenser with "inverter" system, to modulate the refrigerating capacity, especially designed for external use, low noise and residential. Built with semi-hermetic compressors and they are designed to operate at low energy levels.

*External reference temperature: 35°C
*Referring refrigerant: R404A

Working temperature	+5 ÷ -20 °C	-15 ÷ -40 °C
Refrigerant	R513A / R134a / R407F / R449A / R404A	
Compressor type	Hermetic Semi-hermetic	
*COOLING CAPACITY		
Medium Temp. (0° C)	2.663 W ÷ 40.306 W	
Low Temp. (-20° C)	2.366 W ÷ 8.276 W	

INSTALLATION



UC



Compression unit composed of housed casing in which compressor, liquid receiver, safety controls and assorted valves are assembled. Complete with electrical box, available in the MONO and TWIN versions (Mini Station version with remote condensation). Can insert an energy saving "inverter" in the semi-hermetic series and a "digital scroll" in the scroll series.

Working temperature	+0 ÷ -15 °C	-25 ÷ -40 °C
Refrigerant	R513A / R134a / R407F / R449A / R404A	
Compressor type	Semi-hermetic	
	Scroll	
*COOLING CAPACITY		
Medium Temp. (0° C)	2.336 W ÷ 58.000 W	
Low Temp. (-20° C)	1.128 W ÷ 16.000 W	

* External reference temperature: 35°C
* Referring refrigerant: R404A

CONDENSER UNITS



Full range of air cooled condensers with axial, centrifugal fans and ec motors.



EVAPORATOR UNITS



Full range of unit coolers ceiling or wall mounted, double discharge, with axial or centrifugal fans, with air, electric, water or warm gas defrost. The series is available with floor evaporators for lower temperatures (to freeze).



Zanotti multicompressor racks, due to the many engineering solutions developed and the use of components from leading manufacturers, are designed and manufactured to meet the specific needs of every customer in the field of refrigeration. They are intended to be used at working temperatures in the positive and negative range and for freezing. The compressors are available in four types: hermetic or reciprocating semi-hermetic, scroll hermetic, screw and two-stage semi-hermetic. The stations called "satellite" (with separate suction lines and common exhaust system) are available with hermetic and semi-hermetic compressors; in addition to the two/three compressors for medium temperatures, low temperature compressors (one or two) are inserted.



MAIN FEATURES OF THE MULTI-COMPRESSOR UNIT

COMPACT UNITS WITH ON-BOARD CONDENSER (CM-CL)

WIDE CHOICE OF MODELS, ACCESSORIES AND OPTIONS

MANAGEMENT OF MULTIPLE AND DIVERSIFIED COOLING OUTLETS

VARIABLE COOLING POWER CLOSELY CONTROLLED TO ACTUAL NEEDS

OUTDOOR USE WITHOUT SPECIAL PRECAUTIONS (CM-CL)

ADVANTAGES

VERSATILITY OF USE AND APPLICATIONS

CONSIDERABLE ENERGY SAVINGS

GREATLY REDUCED SPACE REQUIREMENT

IMMEDIATE AND EASY ACCESS FOR EASY MAINTENANCE

UNITS SUPPLIED FACTORY-TESTED AND CHARGED WITH REFRIGERANT OR WITH INERT GAS ACCORDING TO THE OPTIONS REQUIRED



APPLICATIONS



CC **

CC Series multicompressor racks satisfy the needs for any application in refrigeration with positive and negative range of temperatures and for Freezing. Compressor racks on welded or bolted frames, available in different configurations, for indoor or outdoor installation. Hermetic, scroll, reciprocating semi-hermetic or screw in parallel compressors and two-stage. Design adaptable to any project solution. The semi-hermetic compressors can be equipped with an inverter.

HERMETIC COMPRESSOR



Working temperature	+0 ÷ -15 °C	-25 ÷ -40 °C
Refrigerant	R513A / R134a / R404A	
Nr. of compressors	3	
*COOLING CAPACITY		
Medium Temp.	7.000 W ÷ 150.000 W	
Low Temp.	5.900 W ÷ 42.000 W	

*External reference temperature: 35°C
*Referring refrigerant: R404A

HERMETIC SCROLL COMPRESSOR



Working temperature	+0 ÷ -15 °C	-25 ÷ -40 °C
Refrigerant	R513A / R134a / R407F / R449A / R404A	
Nr. of compressors	3 - 4	
*COOLING CAPACITY		
Medium Temp.	12.000 W ÷ 150.000 W	
Low Temp.	4.300 W ÷ 60.000 W	

*External reference temperature: 35°C
*Referring refrigerant: R404A

SEMI-HERMETIC COMPRESSOR



Working temperature	+0 ÷ -15 °C	-25 ÷ -40 °C
Refrigerant	R513A / R134a / R407F / R449A / R404A	
Nr. of compressors	3 - 4	
*COOLING CAPACITY		
Medium Temp.	21.100 W ÷ 450.000 W	
Low Temp.	6.200 W ÷ 160.000 W	

*External reference temperature: 35°C
*Referring refrigerant: R404A

SCREW COMPRESSOR



Working temperature	-20 ÷ +5 °C	-50 ÷ -20 °C
Refrigerant	R513A / R134a / R407A-F / R449A / R404A	
Nr. of compressors	2 - 4	
*COOLING CAPACITY		
-10° C / 14° F	116.000 W ÷ 1.280.000 W	
-30° C / -22° F	55.000 W ÷ 608.000 W	

*External reference temperature: 35°C
*Referring refrigerant: R404A

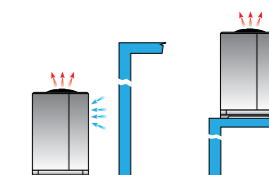
MINI CC COMPACT **



The "mini" compact multicompressor units are suitable for installation in small environments. Ready to use, they are the best solution for small stores, restaurants, hotels and in cases of restricted space, due to their compact dimensions. Their ease of installation and use, makes it possible to contain costs while ensuring safe operation. They are already equipped with operation controls and safety systems. The innovative design limits noise and vibration increasing the suitability for outdoor installation.

Refrigerant	R513A / R134A / R404A	
Working temperature	+0 ÷ -15 °C	-25 ÷ -40 °C
Cooling Capacity	11.000 W ÷ 210.000 W	7.200 W ÷ 100.000 W
@ Evaporation Temp.	-10° C	-30° C

INSTALLATION



CM/CL COMPACT **



The CM/CL Compact is a range of low-noise condensing units built on newly developed frames. Multi-compressor condensing units with built-in air cooled condenser with low noise axial type fans. The units are fitted with hermetic, scroll or semi-hermetic compressors. It is possible to provide an inverter system.

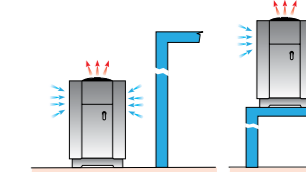
SEMI-HERMETIC / SCROLL / SCREW COMPRESSOR



Working temperature	+0 ÷ -15 °C	-25 ÷ -40 °C
Refrigerant	R449A / R404A	
*COOLING CAPACITY		
Medium Temp. (0° C)	11.000 W ÷ 210.000 W	
Low Temp. (-20° C)	7.200 W ÷ 100.000 W	

*External reference temperature: 35°C
*Referring refrigerant: R404A

INSTALLATION



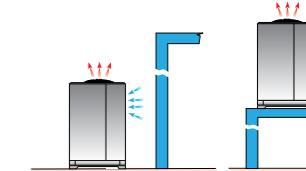
HERMETIC COMPRESSOR



Working temperature	+0 ÷ -15 °C	-25 ÷ -40 °C
Refrigerant	R449A / R404A	
*COOLING CAPACITY		
Medium Temp. (0° C)	11.000 W ÷ 210.000 W	
Low Temp. (-20° C)	7.200 W ÷ 100.000 W	

*External reference temperature: 35°C
*Referring refrigerant: R404A

INSTALLATION



ZC ~ CHILLER



The ZC units cool the compact "chiller" liquids that make it possible to resolve the cooling issues of cold water industrial systems specifically built for outdoor installations. Available in one or two circuits to cool glycol water with different ranges of temperature and semi-hermetic or scroll compressors. Air condenser on board and welded plate gas/liquid heat exchanger, electronic control panel on board.

Working temperature	*25%	**35%	***40%	****45%	*COOLING CAPACITY		*Referring refrigerant: R404A
	**25%						
Refrigerant	R513A / R134a / R449A / R407F				***35%		***Ethilenic glycole 35%: -5 ÷ -10 °C / air condensation: 35 °C
	Semi-hermetic				****40%		****Ethilenic glycole 40%: -10 ÷ -15 °C / air condensation: 35 °C
Compressor type	Scroll				*****45%		*****Ethilenic glycole 45%: -15 ÷ -20 °C / air condensation: 35 °C

Zanotti Industrial Division is a highly specialized branch which operates globally in the industrial refrigeration field. The core business of the industrial division are the large cooling systems for logistics centres, cold storage solutions for the food, catering and petrochemical industries. A dedicated division handles the design and implementation of stadium ice solutions, such as the one created for the arena in Minsk, which was conceived with the best energy saving technologies. Respect for the environment: reducing the environmental impact is a fundamental choice for Zanotti, in line with the trend to which all industrial countries have committed resources and procedures. The constant use of state-of-the-art technology enables Zanotti plants' efficiency to be always in line with environmental safety regulations by using natural gas.



SAS-SAR

The cooling units for the drying and aging of cold cuts and cheeses in small to medium cells, also called "mini conditioners". The units of this series are available in monoblock and split versions. The type of monoblock applied "thru-wall" the cell is especially suitable for cold cuts; in certain cases, they are also used whenever the temperature and humidity of germination cells need to be kept under control. All models are equipped with an electronic temperature and humidity control system, complete with the operation and standby times. The SAR models are special units for the resting time of raw hams.

MONOBLOCK



SPLIT UNIT



The SAS units are usable for cheese and salamis' drying and ripening.

Working temperature	+25 ÷ +10 °C
Dehumidification	60% to 85%
Refrigerant	R513A / R134a / R404A
Compressor type	Hermetic
*COOLING CAPACITY	
2.900 W ÷ 18.500 W	
REFRIGERATED VOLUME	
Cheese Drying room	5 m ³ ÷ 45 m ³
Cheese Seasoning room	20 m ³ ÷ 160 m ³



SAR units for resting (after-salting) the hams.

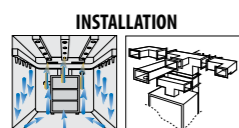
Working temperature	+10 ÷ -5 °C
Dehumidification	40% to 60%
Refrigerant	R513A / R134a / R404A
Defrost	Hot gas
Compressor type	Hermetic
*COOLING CAPACITY	
+10 ÷ -5 °C	2.800 W ÷ 7.600 W



*Referring refrigerant: R404A

AV-SV

The AV-SV systems are suitable for the drying and aging of cold cuts, cheeses, hams and for all environments whose temperature and humidity levels must be kept under control. These systems are suitable for medium to large industrial cooling cells. The unit is composed of an air treatment unit placed on the floor inside the cooling environment and it is made of AISI304 stainless steel. Inside, it contains all the cooling and electrical equipment. The unit is controlled via the station that supervises all the temperature and humidity level functions, as well as the flow of air inside the cell. The air is distributed within the environment by means of special ducts studied according to the size of the room. The units are placed inside or outside of the room with a suitable insulation. The condenser is an air and remote one.



AV units are used for salami/ham drying



SV units are used for salami/ham seasoning and cheese treatment

Working temperature	+25 ÷ +10 °C
Refrigerant	R449A / R407F / R404A
Compressor type	Hermetic Semi-hermetic
*COOLING CAPACITY	6.900 W ÷ 155.800 W
REFRIGERATED VOLUME	
Drying room	20 m³ ÷ 480 m³
Seasoning room	75 m³ ÷ 1.600 m³

*Referring refrigerant: R404A

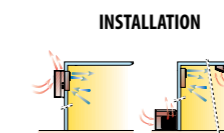
WINEBLOCK



Refrigerating units for wine bottles storage in small and medium size rooms, electronic controller managing both temperature and humidity. Integrated humidifier available.

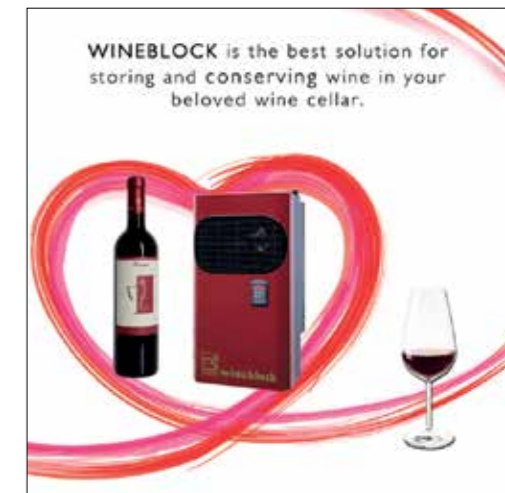
Rcv = monoblock units, thru-wall application, capillary expansion system.

Rdv = split units, compact condensing unit, small size wall or ceiling mounting evaporators, thermostatic expansion valve.



Working temperature	+20 ÷ +10 °C
Refrigerant	R513A / R134a / R404A
Compressor type	Hermetic
*COOLING CAPACITY	600 W ÷ 2.000 W
REFRIGERATED VOLUME	25 m³ ÷ 100 m³

*Referring refrigerant: R404A



DUK

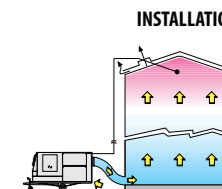


The DUK Uniblock built on wheels for refrigeration of loose cereals stored in silos or warehouses, by means of blowing temperature and humidity controlled air.



Working temperature	+25 ÷ +10 °C
Refrigerant	R449A / R407F / R404A
Defrost	Hot gas
Compressor type	Hermetic
*COOLING CAPACITY	31.000 W ÷ 129.400 W

*Referring refrigerant: R404A



ICE FLAKE MAKER



Units for the production of flake ice for industrial use. Available in packaged or split form. The various models are suitable for fixed and on-board applications. Air or water cooled condenser (fresh or seawater). Unit supplied complete with electronic controller.

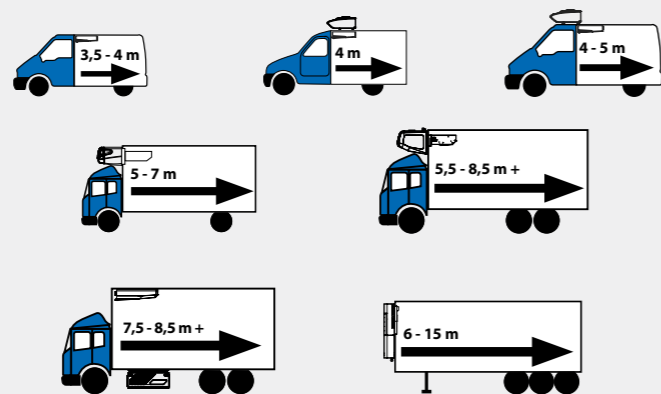


Working temperature	-20 ÷ -25 °C
Refrigerant	R513A / R134a / R407F / R717 / R404A
Ice thickness	1,8 ÷ 2,5 mm
PRODUCTION / 24H	500 Kg ÷ 25.000 Kg



Zanotti supplies a complete range of products for the whole cold chain for food industry. From the gathering of semi-processed products to the distribution in large retailers and restaurants, Zanotti products are designed to meet every customer request.

TRANSPORT REFRIGERATION



SEMI-INDUSTRIAL REFRIGERATION

COMMERCIAL REFRIGERATION



COOLING CAPACITY from 0,5 to 4 Kw
COLD ROOM VOLUME up to 50 m³



COOLING CAPACITY from 4 to 15 Kw
COLD ROOM VOLUME up to 350 m³

INDUSTRIAL REFRIGERATION

COOLING CAPACITY up to 300 Kw
COLD ROOM VOLUME up to 2000 m³



TURNKEY PROJECTS
UNLIMITED VOLUMES AND COOLING CAPACITIES



COLD CHAIN

GREAT LOADING CAPACITIES



MEDIUM LOADING CAPACITIES



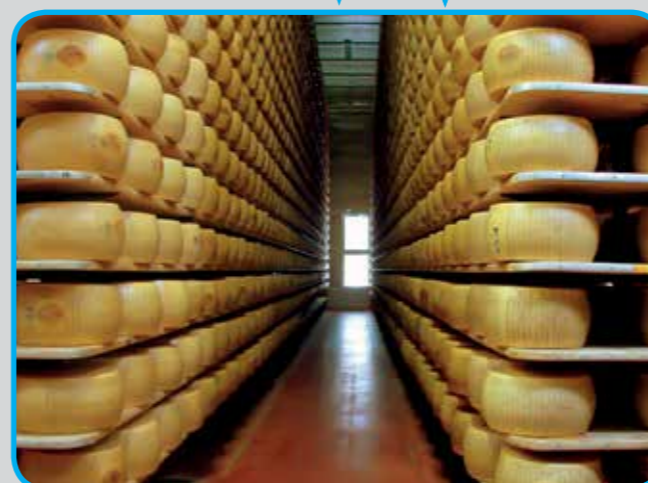
SMALL LOADING CAPACITIES



RAW MATERIALS STORAGE



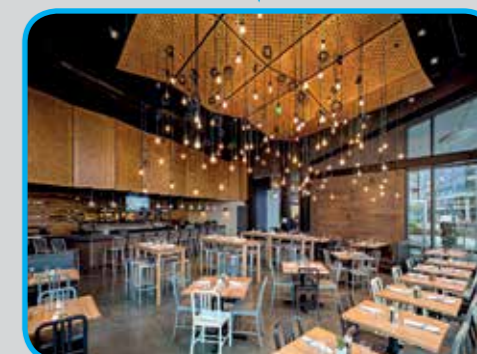
PROCESSING



STORAGE



BIG RETAILERS



CATERING

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