



## INVERTER AIR CONDITIONERS MONO-SPLIT AND MULTI-SPLIT

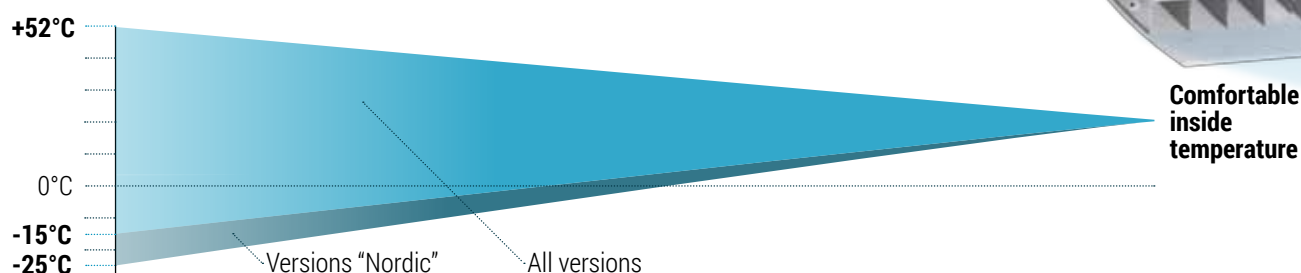
Product catalogue



**Decades of cooling.  
Decades of comfort.**

# Extreme conditions do not stop *Orca*

**Orca** Coolwex air conditioners have the capability of cooling and heating in truly extreme weather conditions. Their working range is from -25°C (version Nordic) and up to the tropical degrees of 52°C.



## EXTRAORDINARILY SILENT AND EVEN PERFORMANCE

Thanks to topmost technology, the performance of Orca Coolwex air conditioners is almost inaudible.



## DC INVERTER AND BLDC MOTOR

The DC inverter and the compressor create perfect comfort, but also allow extraordinary energy savings and a long-lasting, undisrupted performance.



## INTELLIGENT TEMPERATURE CONTROL

Intelligent control makes sure that the temperature set never deviates for more than 0,5°C.



## 24-HOUR TIMER SETTING

You can set your Orca Coolwex air conditioner to work independently for most of the time, while saving you great concerns or work.



## "I FEEL" FUNCTION

Reads the room temperature on the remote control instead of under the ceiling to make sure that the temperature is as accurately adapted to you as possible.



## A++ AND A+ ENERGY CLASSES

Orca Coolwex air conditioners are classified into the highest energy classes.



## QUICK INSTALLATION, QUICK SERVICE

Our own reliable service network insures a quick and professional service.



## HIGH DENSITY FILTER AGAINST MOULD

The efficiency of our technologically perfected filter, has been confirmed, among others by the Centre for Microbiology-Canton.

## SILVER IONS FILTER

Destroys the cellular structure of bacteria and microorganisms, thus preventing their further development.

## COOL PLASMA GENERATOR

The cool plasma generator efficiently eliminates unpleasant odours and bacteria from the air with the help of water molecule ionisation and by creating a reaction between positive and negative ions.

### A WIDE VARIETY OF MODELS

Orca Coolwex air conditioners are an excellent solution for cooling and heating of smaller and bigger- well, also huge- rooms. This is the reason why we prepared a wide variety of models that can be used in every room imaginable:

- apartments and multi-household buildings
- single family houses
- office spaces
- production and storage spaces
- server rooms (data centres)-cooling up to -15°C

A wide power variety of our air conditioners will make sure you find the most suitable device for your area.

Wall, duct and cassette varieties can be chosen in such a manner, so they're sensibly placed into the construction design of your building.

You can choose **Mono-split and Multi-split varieties**, based on your wishes of connecting only one inside unit to the outside unit (mono-split) or if you want to connect several inside units to the outside unit (multi-split).





## ORCA COOLWEX COMFORT SERIES WALL VERSIONS

# Comfort Series Freedom.

### HEALTH FUNCTION

The Health function turns on the cool plasma generator, which efficiently eliminates unpleasant smells and bacteria from the air with the help of water molecule ionisation and by creating a reaction between positive and negative ions.



### THE MOST EFFICIENT PIECE OF FURNITURE

**Orca Coolwex Comfort inside units** are designed discreetly enough, so that they beautify the space in which they are placed.

You will surely be happy to know that the inside unit performance is almost inaudible, you also have plenty of functions to choose from, which will enhance your comfort and make sure that you have virtually no work with the device.

### "I FEEL" FUNCTION

Reads the room temperature on the remote control instead of under the ceiling to make sure that the temperature is as accurately adapted to you as possible.

- A wide, 120° angle of movement of the air flap distributes the air evenly and thus creates a very natural feel of cooling or heating.
- Simple remote control.
- Extraordinarily silent performance.

### "QUIET" FUNCTION

The limitation of the maximum speed of ventilator when an increase of heating or cooling is needed and after a renewed activation of the device.

### ORCA COOLWEX COMFORT SERIES

	CAW 7	CAW 9	CAW 12	CAW 18	CAW 24
Product number	11321	11322	11323	11324	11325
Recommended outside unit for monosplit version	multisplit	CA-9	CA-12	CA-18	CA-24
SEER/SCOP	6.1/4.0	6.15/4.06	6.15/4.06	6.12/4.06	6.12/4.06
Nominal cooling power [W]	2000	2600	3500	5130	6450
Nominal heating power [W]	2100	2800	3650	5270	6700
Power supply (V-Hz-Ph)	230 - 50 - 1	230 - 50 - 1	230 - 50 - 1	230 - 50 - 1	230 - 50 - 1
Air flow [m³/h] (SHi/Hi/Mi/Lo)	470/420/390/320	560/490/ /430/ /330	660/540/ /460/ /330	800/720/610/520	1150/1050/950/850
Air pressure (SHi/Hi/Mi/Lo) [dB(A)]	39/36/30/25	39/36/32/26	42/39/33/26	46/42/39/36	48/45/42/39
Noise level (SHi/Hi/Mi/Lo) [dB(A)]	49/46/40/35	49/46/42/36	52/49/43/36	56/52/49/46	64/59/56/53
Dimensions [W×H×D mm]	745×278×194	821×283×201	884×298×205	1003×310×222	1110×330×240
Weight [kg]	8.5	10	11.5	14.5	17
Liquid/gas connector dimensions [mm(")]	ø6.35/ø9.52 (¼"/½")			ø6.35/ø12 (¼"/½")	ø6.35/ø16 (¼"/½")
Desired set room temperature [°C]	16~31	16~31	16~31	16~31	16~31

\* All inside units can be connected in multisplit systems.



## ORCA COOLWEX DUCT SERIES DUCT VERSIONS

## ORCA COOLWEX CASSETTE SERIES CASSETTE VERSIONS



### WALL CONTROLLER

allows a precise programming of your air conditioning system at various hours of the day and in different situations. (For duct versions.)

# Duct in Cassette series Effect.

## BIGGER COLLING-HEATING SYSTEMS

**Duct and cassette versions of Orca Coolwex air conditioners** are an ideal solution for the installation of a wall or ceiling mounted cooling and heating system.

A combination of ceiling and wall versions of air conditioners, connected to a minimal number of exceptionally capable outside unit will be a great expense solution for bigger business and also residential areas.

- **Simple control of duct version through a wall controller.**
- **Extraordinarily silent performance.**
- **Cassette unit allows fresh air intake.**
- **Duct unit allows air distribution.**

### "ECO" FUNCTION

The limitation of the maximum compressor power when an increase of heating or cooling is needed and after a renewed activation of the device.



DUCT VERSION			CASSETTE VERSION	
CAD 9	CAD 12	CAD 18	CAC 12	CAC 18
<b>11326</b>	<b>11327</b>	<b>11328</b>	<b>11330</b>	<b>11331</b>
multisplit	multisplit	multisplit	multisplit	multisplit
6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0
2700	3500	4800	3500	5100
2700	4000	5600	4000	5600
230 - 50 - 1	230 - 50 - 1	230 - 50 - 1	230 - 50 - 1	230 - 50 - 1
550/470/400	600/540/490	840/750/680	750	980
34/28/26	36/34/28	39/36/28	39/33/30/26	41/35/32/29
44/38/36	46/44/38	49/46/38	49/43/40/36	51/45/42/39
925×250×665	1037×266×721	1037×266×721	840×225×840	840×225×840
27	33	33	20	20
ø6.35/ø9.52 (¼"/½")		ø6.35/ø12 (¼"/½")	ø6.35/ø9.52 (¼"/½")	ø6.35/ø12 (¼"/½")
16~31	16~31	16~31	16~31	16~31





## ORCA COOLWEX MONO-SPLIT VERSIONS

### THE OUTSIDE UNIT IS THE HEART OF THE AIR CONDITIONER

**The outside units of Orca Coolwex air conditioners** are made with the components from the best global manufacturers and pride themselves with exceptional capabilities and reliability.



- **One of the biggest work-spans: from 52°C to -25°C ("Nordic" versions).**
- **Reliable performance for decades with the help of and inverter DC compressor.**
- **Exceptionally silent performance.**

### MONO-SPLIT VERSIONS

Mono-split versions- versions, where we attach a single inside unit to one outside unit- are a great expense solution for cooling and heating of one room. The advantage of such versions is also a very quick instalment.

	CA 9	CA 9 NORDIC	CA 12	CA 12 NORDIC	CA 18	CA 18 NORDIC	CA 24	CA 24 NORDIC
Product number	<b>11333</b>	<b>11337</b>	<b>11334</b>	<b>11338</b>	<b>11335</b>	<b>11339</b>	<b>11336</b>	<b>11340</b>
SEER [W/W]	6.15		6.15		6.12		6.12	
Energy class	A++		A++		A++		A++	
SCOP [W/W]	4.06		4.06		4.06		4.06	
Energy class	A+		A+		A+		A+	
Power supply [V-Hz-Ph]	230 - 50 - 1		230 - 50 - 1		230 - 50 - 1		230 - 50 - 1	
Fuse [A]	16		16		16		20	
<b>Cooling</b>								
Nominal power [W]	2600		3500		5130		6450	
Maximal/minimal power [W]	3300/400		4000/550		6700/1000		7000/1400	
Electrical power consumption at nominal power [W]	805		1085		1580		2000	
Electrical power consumption at max./min. power [W]	1430/150		1560/180		2460/320		2800/380	
EER [W/W]	3.23		3.23		3.25		3.23	
Condensation [l/h]	0.8		1.4		1.8		2.4	
<b>Heating</b>								
Nominal power [W]	2800		3650		5270		6700	
Maximal/minimal power [W]	4100/400		5130/600		6800/1100		7900/1500	
Electrical power consumption at nominal power [W]	755		985		1410		1880	
Electrical power consumption at max./min. power [W]	1550/180		1650/220		2300/350		2500/400	
COP [W/W]	3.71		3.71		3.74		3.72	
Electrical power consumption in stand-by [W]	0.5		0.5		0.5		0.5	
Dimensions [W×H×D mm]	830×540×325				960×700×396			
Weight [kg]	29		30		43		47	
Compressor	Panasonic				Mitsubishi Electric			
Refrigerant liquid	R410A							
Amount of pre-filled refrigerant liquid [kg]	0.75		0.95		1.25		1.45	
Adding refrigerant at larger lengths [g/m]	20		20		20		50	
<b>Attachments</b>								
Liquid/gas dimensions [mm(")]	ø6.35/ø9.52 (¼"/⅜")				ø6.35/ø12 (¼"/½")		ø6.35/ø16 (¼"/⅝")	
Maximum length allowed when pre-filled [m]	5		5		5		5	
Maximum length allowed [m]	20		20		25		25	
Biggest height difference [m]	10		10		10		10	
Cooling/ heating area of use [°C]	-15~54 / -15~24	-15~54 / -25~24	-15~54 / -15~24	-15~54 / -25~24	-15~54 / -15~24	-15~54 / -25~24	-15~54 / -15~24	-15~54 / -25~24



## ORCA COOLWEX MULTI MULTI-SPLIT VERSIONS



### MULTI-SPLIT VERSIONS

Multi-split versions- versions, where we attach up to 4 inside units to one outside unit- are an efficient solution for cooling and heating of entire apartments, apartment buildings or business areas. The fact that we can combine between different versions of inside units also comes in handy in many cases.

	CAM 18(2)	CAM 24(3)	CAM 28(4)
Product number	<b>11347</b>	<b>11348</b>	<b>11349</b>
SEER [W/W]	6.1	6.1	6.1
Energijski razred	A++	A++	A++
SCOP [W/W]	4.0	4.0	4.0
Energy class	A+	A+	A+
Power supply [V-Hz-Ph]	230 - 50 - 1	230 - 50 - 1	230 - 50 - 1
Fuse [A]	16	16	20
<b>Cooling</b>			
Nominal power [W]	5200	7000	8200
Maximal/minimal power [W]	5900/1000	8450/1700	10200/1700
Electrical power consumption at nominal power [W]	1453	2053	2391
Electrical power consumption at max./min. power [W]	2450/260	3400/350	3600/350
EER [W/W]	3.58	3.41	3.43
Condensation [l/h]	1.4	1.9	2.2
<b>Ogrevanje</b>			
Nominal power [W]	5400	8600	9100
Maximal/minimal power [W]	6000/1500	8800/2000	10200/2000
Electrical power consumption at nominal power [W]	1456	2300	2450
Electrical power consumption at max./min. power [W]	2450/240	3400/320	3600/350
COP [W/W]	3.71	3.74	3.71
Electrical power consumption in stand-by [W]	0.5	0.5	0.5
Dimensions [W×H×D mm]	955×700×396	980×790×427	980×790×427
Weight [kg]	51	68	69
Compressor	Mitsubishi Electric		
Refrigerant liquid	R410A		
Amount of pre-filled refrigerant liquid [kg]	1.4	1.9	2.4
Adding refrigerant at larger lengths [g/m]	20	20	20
<b>Attachments</b>			
Liquid/gas dimensions [mm(")]	2×(ø6.35/ø9.52 (¼"/⅜"))	3×(ø6.35/ø9.52 (¼"/⅜"))	4×(ø6.35/ø9.52 (¼"/⅜"))
Maximum length allowed when pre-filled [m]	10	15	15
Maximum length allowed [m]	20	60	60
Maximum length allowed for one line [m]	10	20	20
Biggest height difference [m]	5	10	10
Cooling/heating area of use [°C]	-15~54 / -15~24	-15~54 / -15~24	-15~54 / -15~24
<b>In combination with 2 inside units</b>	<b>12+12</b>	<b>18+18</b>	<b>18+18</b>
<b>In combination with 3 inside units</b>	-	<b>12+12+12 ali 9+9+18</b>	<b>12+12+18</b>
<b>In combination with 4 inside units</b>	-	-	<b>9+9+12+12</b>

A large orca is shown leaping from the ocean, its body arched in mid-air. The background is a bright blue sky with scattered white clouds. The water below is a deep blue with white foam from the orca's exit.

## ORCA HEATS AND COOLS MORE THAN 15.000 HOMES ALL OVER EUROPE

Orcas are social beings that take exemplary care of their families. They seem so similar to humans in their behaviour, that even some tribes believed they were actually human spirits, trapped in these wonderful creatures. Orcas are not susceptible to cold or heat. They create a home for themselves in the extreme frost of the arctic sea and in the tropical waters near the equator. No matter the cold, they hunt there, socialize and love each other there.

### FREEDOM

You and your family would also like to be this independent from climate circumstances. This includes financially, right? We share those wishes and values with the orcas in our company and have thus proudly dubbed ourselves with the name of this free sea creature.

### QUALITY

We have collected the finest experts from the field of efficient heating in our development laboratory and have simultaneously devised a production of heating and cooling systems that, due to progressive technology and precise realization, leaves practically no room for errors. We realize that the purchase of our heating or cooling product is a long-term investment and that is why we keep a longstanding lifespan in mind from the first design to the final product.

### ENVIRONMENT

The use of green energy sources, used also in our products, represents a responsibility to the natural environment: the kind around us directly and the one distant, global. Together, we will make a small step towards ending climate change which endanger both humanity and the oceans, thus also endangering the orcas- our symbol.

Your vendor

**A small change.  
Big savings.**  
[www.orcaenergy.eu](http://www.orcaenergy.eu)