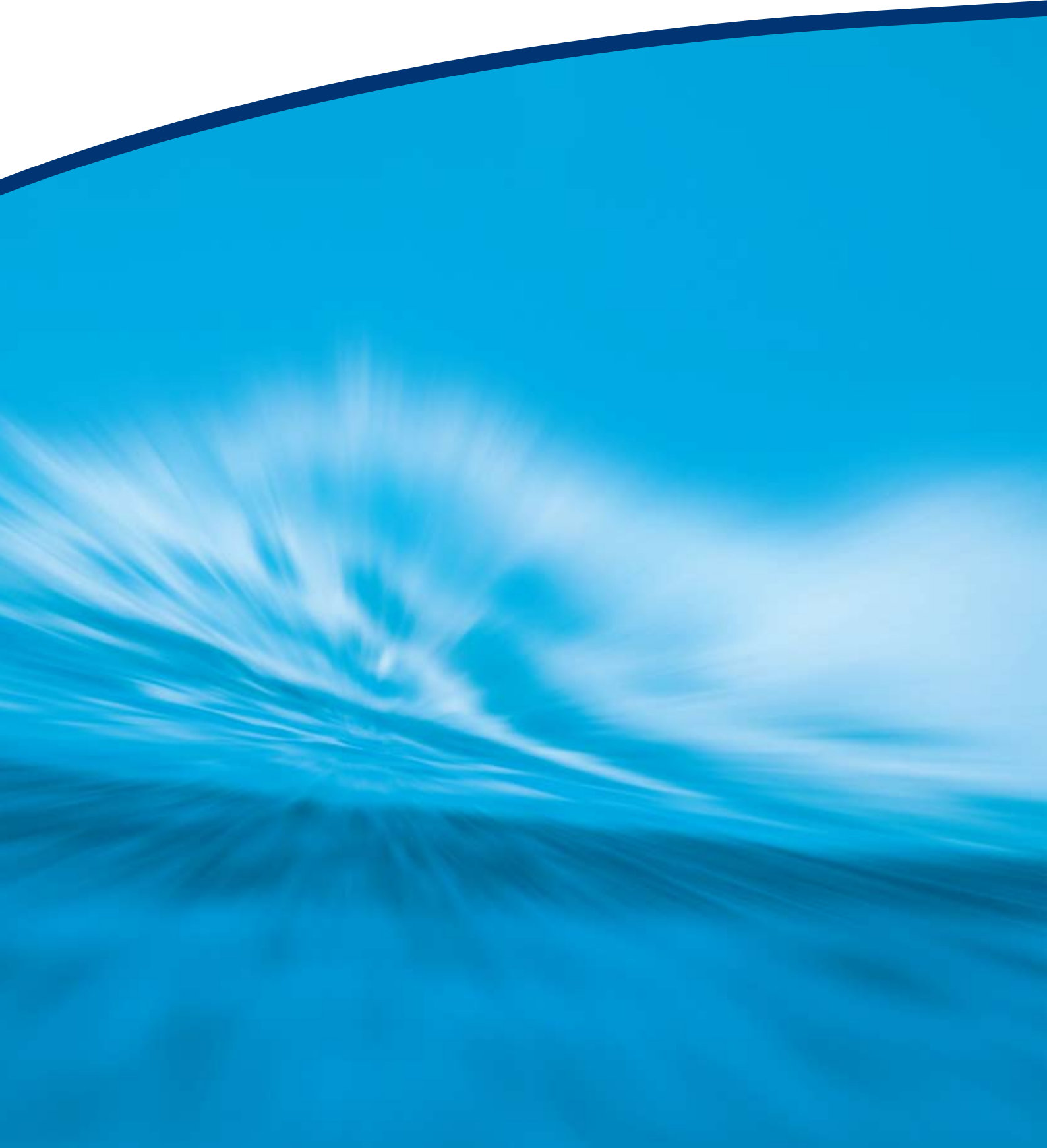




Commercial air condition systems

ON/OFF Air-conditioning systems





Ideal air temperature in the business and residential facilities

The Coolwex commercial air-conditioners are intended for the complete air-conditioning of premises – either in business facilities, shops and hotels or in residential facilities...

With their help, it is possible to create and maintain a comfortable working and living environment practically throughout the entire year.

In addition to cooling and dehumidification, the Coolwex air conditioners also remove the dust particles and other air pollutants. We can use them for the heating of premises as well.

The most optimal solution includes the possibility of installing the commercial air-conditioning systems into

the facilities, for which the air-conditioners have been envisaged already in the initial facility design.

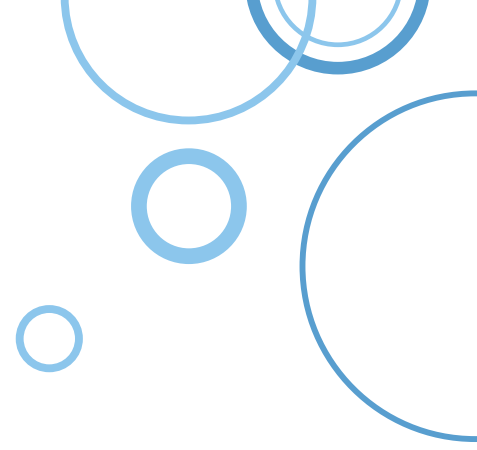
On the basis of experience, we recommend installation into the newly-built facilities as well as for adaptations of business or living premises. They blend excellently with the layout of the room since the distinctiveness of certain lines enables them to be completely imperceptible.

Special types of Coolwex air-conditioners resolve also apparently impossible problems, thus enabling air-conditioning also at the locations with exceptionally strict environment protection laws and regulations.



Unique advantages of Coolwex commercial air-conditioners

Guarantee for great efficiency and comfort



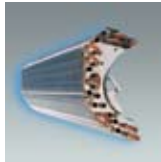
1



Using new ecological cooling gases enables greater yield

All air-conditioning systems are filled with ecological gas, thus following provisions of the European Union. Ecological gas contributes to greater yield and is not harmful to environment or human beings. Coolwex air conditioning systems use type R410a of ecological gases.

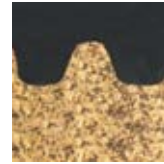
2



4-Bend Heat Exchanger enables lower energy consumption

Compared to other models, Coolwex air-conditioners adopt the technology of 4-bend heat exchangers, which expands heat-exchange area by up to 32% and thus improves efficiency. The enlarged performance surface together with an increased number of tube pairs contribute to greater efficiency and higher energy yield.

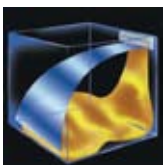
3



More efficient cooling performance is achieved by means of a new, trapezoid form of the inner grooves tubes in the heat exchanger

A greater cooling efficiency is enabled by means of a new form of internal surfaces of copper tubes which contain the cooling agent. The internal tube surfaces are now serrated in form of a trapezoid, which has replaced previously triangle-shaped tubes. The above mentioned form of tubes substantially increases the performance surface of the cooling medium and thus also increases the heating exchanger efficiency.

3



Two-direction Airstream Technology

A specially designed flap and the micro-computer management enable a unique two-way flap movement – a horizontal and a vertical. During the cooling procedure the lamellate flap, and thus also the air outlet, are opened, so that the cold air rushes through the air-conditioning system horizontally and, according to the basic gravitation law, drops toward the floor.

4



Refresh the air without lowering its temperature

Automatic dehumidifying function: The dehumidifying function is usually used in rainy spring or summer periods and in areas with high levels of humidity. This function enables you to dehumidify and refresh the room during the "heavy" and sultry days, without actually decreasing the air temperature.



Safety, reliability of operation and long durability

1



The function of automatic startup in case of power supply blackout (auto-restart)

The function is suitable in premises where constant temperature is of vital importance. The function ensures safety with a universal protection in case of power supply blackout. After supply of electrical energy has been restored, the air-conditioning device is automatically turned on, operating according to the last set parameters.

2



The function of hot exhaust in heating mode

In heating mode, the ventilator inside the internal unit is turned on only when the air-conditioning device heats the medium to the temperature which enables heating. Thus, the exhaust of cold air into the room is prevented.

3



Long durability of the external unit

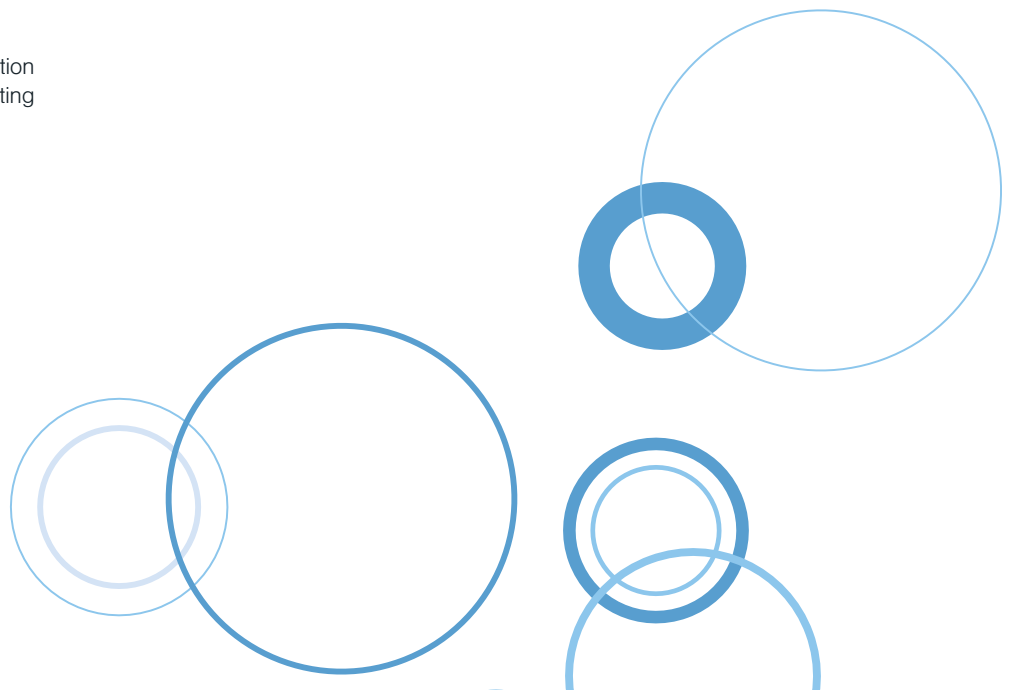
The housing of the external unit is made of electrolytic ally zinc-coated steel sheet and stainless components, and is painted without dust contamination, which prevents rusting even in seaside places thus enabling long durability.

4



Additional protection

The protection lid of the valves on the external unit enables an additional protection for the pipe valves, simultaneously protecting them against external effects.



Cassette air-conditioners

Elegant solution for premises with lowered ceilings

- Silent operation
- Advanced filtration system
- "Auto restart" function
- Automatic flaps oscillation
- 3D spiral ventilator form
- 4-way air outflow
- "Timer" function
- "Sleep" function



Achieving excellent comfort and well-being with a four-sided exhaust of air

The closest-to-nature system, which enables the most equal distribution of pleasantly cooled and fresh air around the room, is provided by the four-sided air exhaust of the Coolwex cassette air-conditioners. The highest level of comfort and well-being is provided by the option of adjusting the exhaust of the air-conditioner directly under the ceiling. This is an additional reason that makes it possible to feel an almost natural atmosphere.

The Coolwex cassette air-conditioner blends with the room

Since the cassette models are installed onto the lowered ceiling, they remain imperceptible. Namely, the entire indoor unit is installed into the ceiling, with only the mask with the entry air grille remaining visible. Devices can be used for practically all types of lowered ceilings (with minimal height required by the device). They are suitable for small as well as large premises; they are especially recommended for use in large premises (banks, post offices, shops, halls, conference rooms, restaurants...).

Excellent references for use in business premises as well as in living and representative premises

Inaudibility, comfort, economy and aesthetics are the arguments for the best experience in the use of Coolwex cassette air-conditioners. Since the four-sided air-exhaust is oriented directly below the ceiling, it does not obstruct the work and living in the room. On the contrary, living in the room becomes pleasant while the work productivity rises to the maximum level.



Model			CHC 12 R 10	CHC 18 R 10	CBC 24 R 10	CBC 36 R 10	CBC 48 R 10
Cooling capacity		W	3515	5270	7030	10545	14060
Cooling Input Power		W	1100	1900	2560	3700	4700
Rated current		A	5	8,8	12,2	6,5	8,2
Moisture removal		l/h	1,2	1,8	2,4	3,8	4,8
Energy class cooling		EER	A	C	C	B	C
Heating capacity		W	4100	6005	7995	11420	15230
Heating Input Power		W	1050	1900	2500	3350	4900
Rated current		A	4,8	8,8	11	5,8	8,6
Energy class heating		COP	A	C	C	B	C
Air flow volume - Indoor		m ³ /h	400/600/680	500/760/860	500/900/1050	1200/1420/1600	1200/1420/1600
Noise level - Indoor		dB(A)	35/38/41	38/41/44	42/44/46	44/46/48	44/46/48
Air flow volume - Outdoor		m ³ /h	2100	2400	3000	5000	6000
Noise level - Outdoor		dB(A)	38	43	5	52	53
Power supply		V/Ph/Hz	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50
Refrigerant filling		g	1120	2050	2600	3100	4000
Pipe diameter		mm	6,35/12,7	6,35/12,7	9,53/16	12,7/19	12,7/19
Max. current		A	16	16	25	3x16	3x20
Net dimension - Body	(W/H/D)	mm	580/580/254	580/580/254	840/840/240	840/840/240	840/840/240
Net dimension - Panel	(W/H/D)	mm	650/650/30	650/650/30	950/9560/40	950/9560/40	950/9560/40
Net dimension - Outdoor unit	(W/H/D)	mm	760/285/590	845/335/695	895/330/860	990/360/960	940/340/1245
Weight Body/Panel/Outdoor unit		kg	21/3/44	21/3/57	36/6/68	40/6/90	40/6/112

Ducted air-conditioners

Complete air-conditioning of premises

- Silent operation
- 3D spiral ventilator form
- Advanced filtration system
- "Auto restart" function
- "Timer" function
- "Sleep" function

Great flexibility and excellent cooling of large office buildings

The Coolwex ducted air-conditioners can be installed completely into lowered ceilings, into ducts which are ready for installation. Only the grille, through which the cool or warm purified air blows, remains visible. Installation of devices is very flexible. The locations of flexible connections for the intake and exhaust of air can be selected according to the requirements at the point of installation. They have performed excellently in hotels or office buildings.

A central air-conditioning system enabling air-conditioning of several rooms at the same time

The ducted type of Coolwex air-conditioners belongs to the central systems, with one indoor unit, from which the air-conditioned air is transferred to several rooms via ducts. The system can even be combined with heating and ventilation.



Model		CK 18 R 10	CK 24 R 10	CK 36 R 10	CK 48 R 10	CK 60 R 10
Cooling capacity	W	5270	7030	10545	14060	17570
Cooling Input Power	W	1900	2510	3700	4700	6000
Rated current	A	8,8	12,2	6,5	8,2	9,8
Moisture removal	l/h	1,8	2,4	3,6	4,8	6
Energy class cooling	EER	C	C	B	C	C
Heating capacity	W	6005	7995	11420	15230	19915
Heating Input Power	W	1900	2500	3350	4900	6000
Rated current	A	8,8	11	5,8	8,6	9,8
Energy class heating	COP	C	C	B	C	C
Air flow volume - Indoor	m ³ /h	1050/1100/1160	1350/1400/1460	1860/1950/2070	2200/2300/2400	2300/2500/2800
Static pressure	Pa	40	40	70	70	96
Noise level - Indoor	dB(A)	38/41/45	40/42/49	44/47/49	44/47/51	44/47/51
Air flow volume - Outdoor	m ³ /h	2400	3000	5000	6000	6000
Noise level - Outdoor	dB(A)	48	55	57	58	58
Power supply	V/Ph/Hz	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
Refrigerant filling	g	2050	2600	3100	4000	4000
Pipe diameter	mm	6,35/12,7	9,53/16	12,7/19	12,7/19	12,7/19
Max. current	A	16	25	3x16	3x20	3x20
Net dimension - Indoor unit	(W/H/D) mm	1000/800/298	1000/800/298	1350/800/298	1350/800/298	1670/680/240
Net dimension - Outdoor unit	(W/H/D) mm	845/335/695	895/330/860	990/360/960	940/340/1245	940/1245/340
Weight Indoor/Outdoor unit	kg	36/57	36/68	48/90	50/112	52/112



Floor and Ceiling air-conditioners

Besides the outstanding attractiveness, also a great efficiency

- New design, more modern and elegant appearance
- Two direction auto swing (vertical & horizontal)
- Three level fan speed, more humanism design, meets different air-supply requirement
- Silent operation
- Advances filtration system
- "Auto restart" function
- Automatic lower flap oscillation
- Wall or ceiling installation
- "Timer" function
- "Sleep" function

One device – two installation options

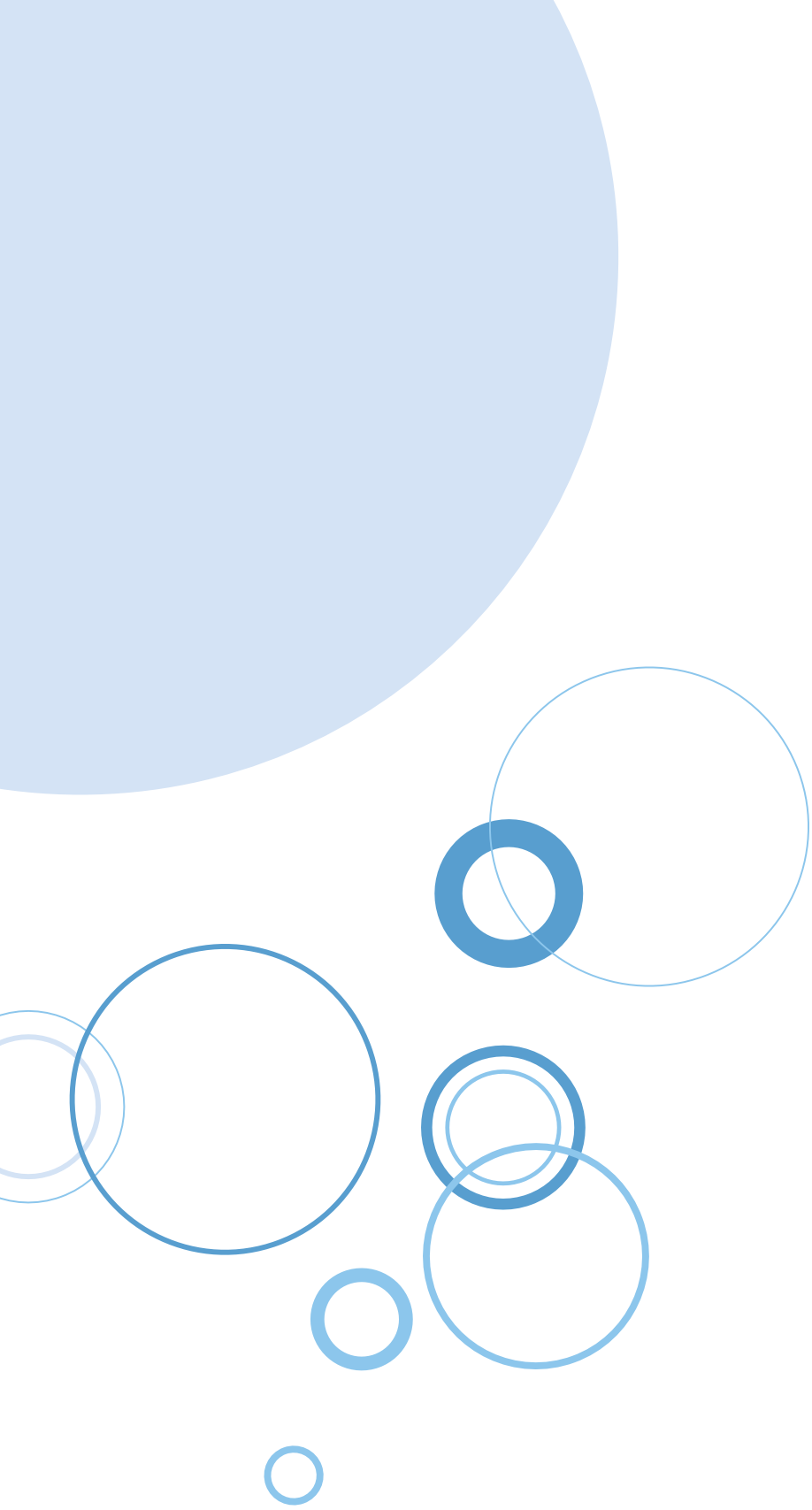
The special shape of Coolwex floor/ceiling air-conditioners provides the option of two methods of installations. The indoor unit can be used as a floor-standing unit, It can be installed as a radiator or mounted on the ceiling. Thus, the same device enables both types of installation as well as the complete adjustment to the room and requirements.

It is recommended for premises with large numbers of people

The Coolwex floor/ceiling air-conditioners have an exceptionally large circulation of air. For that reason, they perform excellently also in business facilities with a large circulation of people. We recommend them for residential as well as business premises. The automatic swinging of the longitudinal flap and a large circulation of air provide for exceptionally quick and efficient air-conditioning of the room.



Model			CTN 12 R 10	CTN 18 R 10	CTN 24 R 10	CTN 36 R 10	CTN 48 R 10	CTN 60 R 10
Cooling capacity		W	3515	5270	7030	10545	14060	17570
Cooling Input Power		W	1200	1900	2510	3700	4700	6000
Rated current		A	6	8,8	12,2	6,5	8,2	9,8
Moisture removal		l/h	1,2	1,8	2,4	3,8	4,8	6
Energy class cooling		EER	A	C	C	B	C	C
Heating capacity		W	3950	6005	7995	11420	15230	19915
Heating Input Power		W	1165	1900	2500	3350	4900	6000
Rated current		A	5,9	8,8	11	5,8	8,6	9,8
Energy class heating		COP	A	C	C	B	C	C
Air flow volume - Indoor		m ³ /h	400/480/600	500/600/800	700/900/1000	1000/1200/1400	1600/1800/2000	1600/1800/2000
Noise level - Indoor		dB(A)	33/36/38	33/36/38	35/37/40	35/37/40	39/41/42	39/41/42
Air flow volume - Outdoor		m ³ /h	2100	2400	3000	5000	6000	6000
Noise level - Outdoor		dB(A)	38	43	50	52	53	53
Power supply		V/Ph/Hz	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
Refrigerant filling		g	1100	2050	2600	3000	3700	3900
Pipe diameter		mm	6,35/12,7	6,35/12,7	9,53/16	12,7/19	12,7/19	12,7/19
Max. current		A	16	16	25	3x16	3x20	3x20
Net dimension - Indoor unit	(W/H/D)	mm	995/198/660	995/198/660	995/198/660	1285/660/198	1670/680/240	1670/680/240
Net dimension - Outdoor unit	(W/H/D)	mm	760/590/285	845/695/335	895/860/330	990/960/360	940/1245/340	940/1245/340
Weight Indoor/Outdoor unit		kg	30/35	30/57	30/68	34/90	52/112	52/112



Coolwex group USA
www.coolwex.com



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Dealer: