Cool with the sun and save 60% of your power

SOLAR COOL

Solar air conditioning

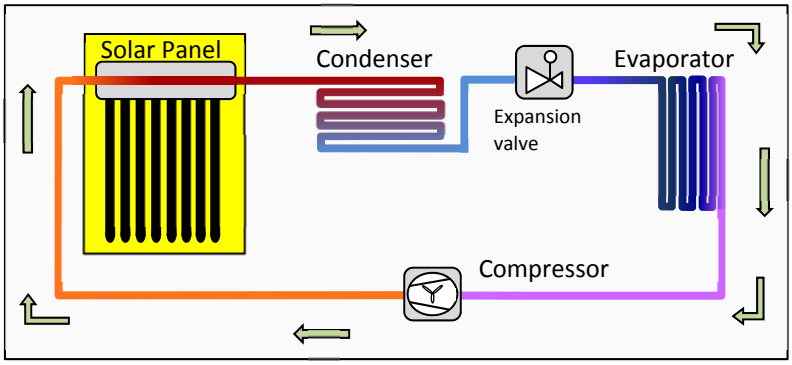
- ☼ **Saves up to 60% of your electrical power**
- ☼ **Same prices as non-solar systems (incl. panel !)**
- ☼ **Top-technology with attractive indoor units**
- ☼ **Heat pump for cooling and heating**
- ☼ **Thousands of installations worldwide**

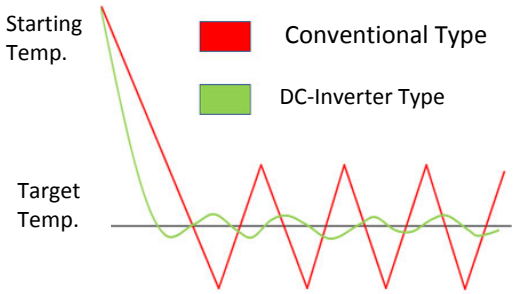
How SolarCool™ works

Sedna Aire relies on the well known compression cycle technology for cooling and incorporates a high-efficient solar panel into it. While in standard units the compressor has to do the full compression load, at SolarCool™ the solar panel is taking over much of the compression load and thus frees a lot of energy. The secret behind SolarCool™ is the „Ideal Gas Law“, saying that gases may be compressed also by heat. Everybody who has pumped up his bicycle has realized this as the pump got hot. SolarCool™ is reversing this principle in compressing the refrigerant by heat provided free by the sun. The hotter the sun, the better it works ! And more power is saved !

The remaining cooling circle stays the same: After compression the refrigerant is cooled down in the condenser, expanded in a nozzle and then evaporated. By evaporating the refrigerant the environment is cooled down: „It Cools“.

Most SolarCool™ systems from Sedna Aire are available as heat pumps. Due to a small modification the units may not only cool, but also heat with the help of the sun. This again saves power also for heating !





The DC Inverter Technology widely used for the compressors is also state-of-the-art for our split systems. The alternating current (AC) from the grid is converted into direct current (DC) and then back to AC but this time with variable frequencies. And it’s these variable frequencies which control the compressor. As a result the compressor runs more precisely and requires less power than a conventional On/Off system.

Solar assisted air conditioners working this principle are exclusively manufactured by Sedna Aire, since we invented the system and hold all the patents. This ensures the necessary quality and reliability - for your comfort and benefit.

Reliability and references

Our systems are highly reliable and we look over thousands of successful installations. We use only standard components from well known and reputable companies assuring the required quality. The refrigerant´s high temperature of up to 100°C poses no threat, since it is widely used for solar water heaters. The refrigerant itself is R410, non-explosive and harmless. Some successful residential and commercial installations are shown below:




Savings

Only one solar panel fits most applications. The hotter the sun, the better it works and you will save more power. The sun is taking over more and more the job from the compressor.

Units	Single Split		Multi Split		Mini VRF	VRF
	12SP	24SP	028B	042B	140	400
Cooling capacity	3,5 kW	6,5 kW	8 kW	11,6 kW	14 kW	40 kW
Number of indoor units	1	1	4	5	8	23
Non-solar system - Power consumption	1,3 kW	2,3 kW	2,5 kW	3,5 kW	4,0 kW	11,3 kW
SolarCoolTM system Sedna Aire - Power consumption [1]	0,5 kW	0,9 kW	1,0 kW	1,4 kW	1,7 kW	5,5 kW
Difference in Power consumption SolarCool to non-solar system	- 62 %	- 61%	- 60%	- 60%	- 57%	- 51%
Annual Cost saving SolarCool™ systems[2]	**€ 96**	**€ 168**	**€ 180**	**€ 252**	**€ 1 380**	**€ 3 480**

[1] measured at SolarCool systems 2011-2013. For verification see www.sednaaireeurope.com
[2] acc. to EU guideline CE 2002/31 for 500h cooling per year and 0,24 €/kWh, VRF- commercial systems at 2500 hours (8 hours - 6 days per week

Calculate your personal energy savings with our energy calculator at our website. The SolarCool™ systems will also work at lower sun radiation, e.g. during a cloudy day, since we use high-efficient vacuum tube collectors.

With SolarCoolTM systems you will be leading edge technology and save a significant amount of power for many years. And best of all: They come at the same costs as comparable non-solar air conditioners - INCLUDING the panel !

Our models

We offer the full range for your application

Single Split Units (2,6 - 7kW)
One outdoor unit and one separate indoor unit for conditioning one room

Mini -VRF Units (8 - 27kW)
One outdoor unit and up to 12 separate indoor units for conditioning multiple rooms

Multi Split Units (5 - 12kW)
One outdoor unit and up to 5 separate indoor units for conditioning multiple rooms

VRF Units (25 - 45kW and higher)
One outdoor unit and up to 26 separate indoor units per module for conditioning multiple rooms



Single Split units

Outdoor/Indoor Unit - SWM		09 EU	12 EU	18 EU	24 EU
Cooling capacity *(a)*	**kW**	**2,8**	**3,1**	**5,0**	**6,5**
Heating capacity *(a)*	**kW**	**2,6**	**3,2**	**4,9**	**6,5**
Energy efficiency SEER (Cool)	W/W	7,5	7,7	8,3	8,3
Energy efficiency class (Cool)		A++	A++	A++	A++
Power consumption min-max (Cool)	kW	0,1 - 0,8	0,1 - 0,9	0,1 - 1,4	0,1 - 1,8
Operating temperature range (Cool)	°C	-15/50	-15/50	-15/50	-15/50
Energy efficiency SCOP (Heat)	W/W	5,5	5,3	5,2	5,1
Energy efficiency class (Heati		A+++	A+++	A+++	A+++
Power consumption min-max (Heat)	kW	0,1 - 0,7	0,1 - 1,1	0,2 - 1,3	0,2 - 1,8
Operating temperature range (Heat)	°C	-15/30	-15/30	-15/30	-15/30
Air flow indoor	m³/h	440 - 620	430 - 630	400 - 730	900 - 1150
Dehumidification (only when cooling)	l/h	1,0	1,1	1,7	2,4
Sound level indoor *(b)*	dB(A)	31 - 41	31 - 41	31 - 41	41 - 49
Sound level outdoor *(b)*	dB(A)	56	56	59	60
Active Carbon Filter Indoor		Yes	Yes	Yes	Yes
Plasma Ionization		Yes	Yes	Yes	Yes
Remote Control Indoor -24h Timer		Yes	Yes	Yes	Yes
Indoor fan speeds		3	3	3	3
Automatic Louver adjustment		Yes	Yes	Yes	Yes
Turbo Fan Modus		Yes	Yes	Yes	Yes
Power supply (Volt/Phases/Freq.)		230/1/50	230/1/50	230/1/50	230/1/50
Breaker fuse (time-delay)	A	16A	16A	16A	16A
Number of required solar panels	Pc	1	1	1	1
Indoor unit dimensions (HxWxD)	mm	800x188x275	800x188x275	940x205x275	1045x235x315
Indoor unit weight	Kg	7	7	9	12
Outdoor unit dimensions (HxWxD)	mm	780x250x540	780x250x540	760x285x590	845x320x700
Outdoor unit weight	kg	30	30	35	48
Solar panels needed (size 120x1610x1610 mm)		1	1	1	1
Solar panel weight	kg	61	61	61	61
Inclination solar panel *(c)*	°	20-50	20-50	20-50	20-50
Refrigerant - type		R410A	R410A	R410A	R410A
Compressor		DC-Inverter	DC-Inverter	DC-Inverter	DC-Inverter
Diameter - Gas line	inch	3/8“	3/8”	1/2“	5/8“
Diameter - Liquid line	Inch	1/4“	1/4“	1/4“	3/8“
Diameter piping to solar panel *(d)*	Inch	1/2“	1/2“	1/2“	1/2“
Max. pipe length to solar panel *(d)*	m	18	18	18	18
Max. lift to solar panel	m	8	8	8	8
Max. pipe length to ind. unit (total)	m	15	20	25	25
Max. lift to indoor unit	m	7	8	15	15
Warranty	Years	2	2	2	2

All Single Split units (indoor and outdoor units) CE certified. According to EU-guideline 626/2011 these units are “local air conditioners”

(a) All figures given for SolarCool mode with solar panel following ISO 5151 and EU-guideline 626/2011. Actual energy consumption and number of required panels may vary and will depend on how the appliance is used and where it is located
(b) For details see technical specification
(c) Sound level, measured at a distance of 1m under free field conditions
(d) To be optimized for your latitude
(e) At a piping diameter of at least 1/2“, recommended ø15mm

At installation all national and local building and safety codes are to be complied to

Heat pump: cools AND heats in one model due to some minor modifications in the cooling circle. A standard air conditioner is only able to cool

Multi Split Units

Outdoor unit - CMO		018B	024B	028B	036B	042B
Cooling capacity *(a)*	**kW**	**5,0**	**7,0**	**8,0**	**9,8**	**11,6**
Heating capacity *(a)*	**kW**	**5,6**	**7,7**	**9,3**	**11,0**	**13,0**
Number of indoor units		1 - 2	1 - 2	2 - 4	2 - 4	2 - 5
Cooling capacity min - max (Cool)	kW	2,1 - 6,2	2,7 - 8,2	2,2 - 10,0	3,0 - 11,0	3,5 - 13,6
Energy efficiency SEER (Cool)	W/W	7,8	7,8	8,1	6,8	6,8
Energy efficiency class (Cool)		A++	A++	A++	A++	A++
Power consumption min-max (Cool)	kW	0,1 - 1,4	0,1 - 1,8	0,2 - 2,2	0,3 - 3,1	0,3 - 3,6
Heating capacity min - max (Heat)	kW	2,5 - 6,7	3,5 - 9,5	2,8 - 11	4,5 - 12	4,5 - 14
Energy efficiency SCOP (Heating)	W/W	5,3	5,3	5,3	5,3	5,2
Energy efficiency class (Heating)		A+++	A+++	A+++	A+++	A+++
Power consumption min-max (Heat)	kW	0,2 - 1,7	0,3 - 2,1	0,4 - 2,3	0,4 - 2,9	0,5 - 3,4
Sound level outdoor Max. /Min.	dB(A)	56/50	58/52	59/53	54/51	58/52
Power supply (Volt/Phases/Freq.)		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Breaker fuse (time-delay)	A	16A	25A	25A	32A	32A
Number of required solar panels	Pc	1	1	1	1	1
Operating temp.range (Cool)	°C	-15 / 43	-15 / 43	-15 / 43	-15 / 43	-15 / 43
Operating temp.range (Heat)	°C	-18 / 24	-18 / 24	-18 / 24	-18 / 24	-18 / 24
Outdoor unit dimensions (HxWxD)	mm	596x818x378	700x890x396	700x890x396	950x840x412	1015x1103x440
Outdoor unit weight	kg	43	59	60	73	102
Solar panel dimensions (HxWxD)	mm	1.618 x 1.638 x 130				
Solar panel weight	kg	61				
Recommended inclination panel	°	20-50				
Refrigerant - type		R410A	R410A	R410A	R410A	R410A
Refrigerant - charge	Kg	1,35	2,4	2,2	3,6	4,2
Compressor		DC-Inverter	DC-Inverter	DC-Inverter	DC-Inverter	DC-Inverter
Max. pipe length to solar panel	m	18	18	18	18	18
Max. lift to solar panel	m	8	8	8	8	8
Max. pipe length to indoor unit (total)	m	25	25	70	70	80
Max. lift to indoor unit	m	10	10	15	15	15
Warranty	Years	2	2	2	2	2

Indoor units

Indoor units		CMI09	CMI12	CMI18	CMC12-E	CMC18-E	CMC24-N
Cooling capacity	**kW**	**2,6**	**3,5**	**5,3**	**3,5**	**4,5**	**7,1**
Heating capacity	**kW**	**2,8**	**3,8**	**5,8**	**4,0**	**5,0**	**8,0**
Type		Wall-C	Wall-C	Wall-C	Cass-E	Cass-E	Cass-N
Air flow indoor	m³/h	450	550	840	600	600	1 180
Sound Level (high-low)	dB(A)	35/28	35 / 28	43 / 32	46 / 40	46 / 40	39 / 33
Active Carbon Filter Indoor		Yes	Yes	Yes	Yes	Yes	Yes
Remote Control with 24h Timer		Yes	Yes	Yes	Yes	Yes	Yes
Indoor fan speeds		3	3	3	3	3	3
Automatic Louver adjustment		Yes	Yes	Yes	Yes	Yes	Yes
Turbo Fan Modus		Yes	Yes	Yes	Yes	Yes	Yes
Dimensions (HxWxD)	mm	815x165x267	872x178x283	960x195x300	570x570x230	570x570x230	840x840x240
Weight	kg	10	11	13	20	20	26
Warranty	Years	2	2	2	2	2	2

All Multi Split units (Indoor and Outdoor) are CE certified. According to EU-guideline 626/2011 these units are “local air conditioners”

(a) Same conditions as for single splits apply

Mini - VRF Units Outdoor

Outdoor unit - Mini-VRF - 1		SVRF 80	SVRF 100	SVRF 120	SVRF 140
Cooling capacity *(a)*	**kW**	**7,2**	**9,0**	**12,3**	**14,0**
Heating capacity *(a)*	**kW**	**7,2**	**9,0**	**13,2**	**15,4**
Number of indoor units		4	5	6	7
Seasonal Energy eff. SEER/class (cool)	W/W	7,1/A++	7,1/A++	7,2/A++	7,1/A+
Power consumption min-max (cool)	kW	0,2 - 1,9	0,2 - 2,4	0,3 - 3,2	0,4 - 3,6
Seasonal Energy eff. SCOP/class (heat)	W/W	5,1/A+++	5,0/A+++	4,9/A++	4,6/A+
Power consumption min-max (heat)	kW	0,2 - 2,3	0,2 - 2,8	0,3 - 4,4	0,4 - 5,3
Sound level outdoor	dB(A)	56	57	57	57
Power supply (Volt/Phases/Freq.)		220/50/1	220/50/1	380/50/3	380/50/3
Number of required solar panels	Pc	1	1	1	1
Operating temp. range (Cooling)	°C	-15 / 48	-15 / 48	-15 / 48	-15 / 48
Operating temp. range (Heating)	°C	-15 / 27	-15 / 27	-15 / 27	-15 / 27
Outdoor unit dimensions (HxWxD)	mm	990x966x336	990x966x336	900x1327x320	900x1327x320
Outdoor unit weight	kg	62	74	95	95
Refrigerant R410 - charge	Kg	2,8	3,0	3,3	3,9
Compressor		Rotary	Rotary	Rotary	Rotary
Max. pipe length - lift to solar panel	m	18 - 8	18 - 8	18 - 8	18 - 8
Total piping length	m	100	100	100	100
Max. pipe length -lift to indoor unit	m	30 - 8	30 - 8	30 - 8	30 - 8
Warranty	Years	2	2	2	2

Outdoor unit - Mini-VRF - 2		SVRF 155	SVRF 200	SVRF 220	SVRF 270
Cooling capacity *(a)*	**kW**	**15,5**	**19,5**	**22,4**	**26,0**
Heating capacity *(a)*	**kW**	**17,0**	**23,0**	**24,5**	**28,5**
Number of indoor units		8	10	11	12
Seasonal Energy eff. SEER/class (cool)	W/W	7,0/A++	6,9/A++	6,9/A++	6,8/A++
Power consumption min-max (cool)	kW	0,5 - 4,6	0,5 - 5,9	0,5 - 6,6	0,6 - 7,5
Seasonal Energy eff. SCOP/class (heat)	W/W	4,6/A++	4,6/A++	4,5/A+	4,5/A+
Power consumption min-max (heat)	kW	0,4 - 6,2	0,5 - 8,1	0,6 - 8,9	0,7 - 10,9
Sound level outdoor	dB(A)	57	59	59	59
Power supply (Volt/Phases/Freq.)		380/50/3	380/50/3	380/50/3	380/50/3
Number of required solar panels	Pc	1	1 - 2 *(b)*	1	1
Operating temp. range (Cooling)	°C	-15 / 48	-15 / 48	-15 / 48	-15 / 48
Operating temp. range (Heating)	°C	-15 / 27	-15 / 27	-15 / 27	-15 / 27
Outdoor unit dimensions (HxWxD)	mm	900x1327x320	1120x1560x415	1120x1560x415	1120x1560x415
Outdoor unit weight	kg	107	137	147	147
Refrigerant R410 - charge	Kg	3,9	4,8	6,2	6,2
Compressor		Rotary	Rotary	Rotary	Rotary
Max. pipe length - lift to solar panel	m	18 - 8	18 - 8	18 - 8	18 - 8
Total piping length	m	100	120	120	120
Max. pipe length -lift to indoor unit	m	30 - 8	30 - 8	30 - 8	30 - 8
Warranty	Years	2	2	2	2

All Mini-VRF units (Indoor and Outdoor) are CE certified. According to EU-guideline 626/2011 these units are “local air conditioners”

(a) Same conditions as for single splits apply



VRF Units Outdoor

May be combined to up to 6 modules for higher capacity

Outdoor unit -VRF		SVRF 252	SVRF 280	SVRF 340	SVRF 400	SVRF 450
Cooling capacity *(a)*	**kW**	**25,2**	**27,5**	**32**	**39**	**45**
Heating capacity *(a)*	**kW**	**27**	**31,5**	**37,5**	**45**	**50**
Number of indoor units		13	16	20	23	26
Seasonal Energy eff. SEER/class (cool)	W/W	8,6/A+++	8,4/A+++	8,2/A+++	8,0/A++	7,9/A++
Power consumption min-max (cool)	kW	0,5 - 5,8	0,5 - 6,9	0,7 - 8,3	0,9 - 11,0	1 - 13,0
Seasonal Energy eff. SCOP/class (heat)	W/W	5,4/A+++	5,1/A++	5,1/A++	4,9/A++	4,7/A++
Power consumption min-max (heat)	kW	0,5 - 8,4	0,6 - 9,4	0,7 - 11,7	0,9 - 14,7	1 - 16,9
Sound level outdoor	dB(A)	57	57	59	61	61
Power supply (Volt/Phases/Freq.)		380/50/3	380/50/3	380/50/3	380/50/3	380/50/3
Number of required solar panels *(b)*	Pc	1 - 2	1 - 2	2 - 4	2 - 4	2 - 4
Operating temp. range (cool)	°C	-15 / 48	-15 / 48	-15 / 48	-15 / 48	-15 / 48
Operating temp. range (heat)	°C	-15 / 27	-15 / 27	-15 / 27	-15 / 27	-15 / 27
Outdoor unit dimensions (HxWxD)	mm	960x1615x765	960x1615x765	1250x1615x765	1250x1615x765	1250x1615x765
Outdoor unit weight	kg	198	198	288	288	288
Refrigerant R410 - charge	Kg	9	9	12	15	15
No and type of compressor		1 - Scroll	1 - Scroll	2 - Scroll	2 - Scroll	2 - Scroll
Max. pipe length - lift to solar panel	m	18 - 8	18 - 8	18 - 8	18 - 8	18 - 8
Total piping length	m	1 000	1 000	1 000	1 000	1 000
Max. pipe length -lift to indoor unit	m	110 - 30	110 - 30	110 - 30	110 - 30	110 - 30
Warranty	Years	2	2	2	2	2

(a) Same conditions as for single splits apply

(b) Number of required panels may be higher in countries and or times with low sun radiance. Actual energy consumption and number of required panels may vary and will depend on how the appliance is used and where it is located

VRF Units Indoor

VRF - Cassettes






VRF indoor units		SVCC 36	SVCC 56	SVCC 71	SVCC 90	SVCC 112	SVCC 140
Cooling capacity	**kW**	**3,6**	**5,6**	**7,1**	**9,0**	**11,2**	**14,0**
Heating capacity	**kW**	**4,0**	**6,3**	**8,0**	**10,0**	**12,5**	**15,0**
Air flow indoor	m³/h	540 - 780	660 - 865	750 - 1160	1120 - 1540	1120 - 1540	1280 - 1800
Indoor fan speeds		3	3	3	3	3	3
Sound Level (high-low)	dB(A)	35 - 42	35 - 42	39 - 45	43 - 48	43 - 48	44 - 50
Controller		Remote	Remote	Remote	Remote	Remote	Remote
EU grid		Yes	No	No	No	No	No
Dimensions (HxWxD)	mm	570x570x260	840x840x300	840x840x300	840x840x300	840x840x300	840x840x300
Weight	kg	24	32	32	38	38	38
Warranty	Years	2	2	2	2	2	2

VRF - Low static pressure ducts (Hotel)

VRF indoor units		SVLD 28	SVLD 36	SVLD 45	SVLD 56
Cooling capacity	**kW**	**2,8**	**3,6**	**4,5**	**5,3**
Heating capacity	**kW**	**3,2**	**4,0**	**5,0**	**6,3**
Air flow indoor	m³/h	270 - 530	270 - 530	520 - 770	520 - 770
Indoor fan speeds		3	3	3	3
Static pressure norm	Pa	5	5	5	5
Sound Level (high-low)	dB(A)	30 - 36	30 - 36	31 - 37	31 - 37
Controller		Remote RM05	Remote RM05	Remote RM05	Remote RM05
Dimensions (HxWxD)	mm	850x405x190	850x450x190	1030x430x190	1030x430x190
Weight	kg	12	12	18	18
Warranty	Years	2	2	2	2

VRF - Concealed duct A5 (Offices)

VRF indoor units		SVDC 36	SVDC 56	SVDC 71	SVDC 90	SVDC 112	SVDC 140
Cooling capacity	**kW**	**3,6**	**5,6**	**7,1**	**9,0**	**11,2**	**14,0**
Heating capacity	**kW**	**4,0**	**6,3**	**8,0**	**10,0**	**12,5**	**15,5**
Air flow indoor	m³/h	320 - 570	560 - 960	820 - 1210	860 - 1400	1400 - 1750	1250 - 1800
Indoor fan speeds		4	4	4	4	4	4
Static pressure norm (Lo-Hi)	Pa	10 (10-30)	10 (10-30)	10 (10-30)	20 (10-50)	40 (10-80)	40 (10-100)
Sound Level (high-low)	dB(A)	36 - 39	36 - 41	35 - 42	37 - 45	38 - 48	39 - 48
Controller		Wired	Wired	Wired	Wired	Wired	Wired
Dimensions (HxWxD)	mm	790x635x210	1010x635x210	1010x635x210	1230x775x270	1230x775x270	1290x865x300
Weight	kg	18	27	32	40	40	49
Warranty	Years	2	2	2	2	2	2

VRF - High static duct (1) (Halls, restaurants)

VRF indoor units		SVDH 71	SVDH 90	SVDH 112	SVDH 140	SVDC 140
Cooling capacity	**kW**	**7,1**	**9,0**	**11,2**	**14,0**	**20,0**
Heating capacity	**kW**	**8,0**	**10,0**	**12,5**	**16,0**	**22,5**
Air flow indoor	m³/h	1240 - 1510	1510 - 1940	1650 - 2120	2230 - 3000	3600 - 4660
Indoor fan speeds		3	3	3	3	3
Static pressure norm (Lo-Hi)	Pa	40(30-200)	40(30-200)	50(30-200)	50(30-200)	140(50-250)
Sound Level (high-low)	dB(A)	44 - 48	47 - 52	47 - 52	48 - 53	52 - 59
Controller		Wired	Wired	Wired	Wired	Wired
Dimensions (HxWxD)	mm	952x690x420	952x690x420	952x690x420	1200x600x400	1443x810x470
Weight	kg	45	47	51	68	115
Warranty	Years	2	2	2	2	2

VRF - High static duct (2) (Halls, restaurants)





VRF indoor units		SVDH 250	SVDH 280	SVDH 400	SVDH 450	SVDC 560
Cooling capacity	**kW**	**25**	**28**	**40**	**45**	**56**
Heating capacity	**kW**	**26**	**31,5**	**45**	**50**	**63**
Air flow indoor	m³/h	3600 - 4670	3600 - 4670	5000 - 7500	5000 - 7500	6550 - 9500
Indoor fan speeds		3	3	3	3	3
Static pressure norm (Lo-Hi)	Pa	140(50-250)	140(50-250)	200(50-250)	200(50-250)	200(50-250)
Sound Level (high-low)	dB(A)	52 - 59	52 - 59	56 - 61	56 - 61	57 - 63
Controller		Wired	Wired	Wired	Wired	Wired
Dimensions (HxWxD)	mm	1443x810x470	1443x810x470	1970x859x668	1970x859x668	1970x859x668
Weight	kg	115	115	232	232	232
Warranty	Years	2	2	2	2	2

VRF - Convertible floor/ ceiling (restaurants)






VRF indoor units		SVCF 36	SVCF 56	SVCF 71	SVCF 90	SVCF 112	SVCF 140
Cooling capacity	**kW**	**3,6**	**5,6**	**7,1**	**9,0**	**11,2**	**14,0**
Heating capacity	**kW**	**4,0**	**6,3**	**8,0**	**10,0**	**12,5**	**15,5**
Air flow indoor	m³/h	500 - 650	500 - 800	500 - 800	700 - 1200	1730 - 1980	1730 - 1980
Indoor fan speeds		3	3	3	3	3	3
Sound Level (high-low)	dB(A)	36 - 40	38 - 43	38 - 43	40 - 45	42 - 47	42 - 47
Controller		Remote	Remote	Remote	Remote	Remote	Remote
Dimensions (HxWxD)	mm	990x660x206	990x660x206	990x660x206	1280x660x206	1670x680x244	1670x680x244
Weight	kg	26	25	28	34	54	54
Warranty	Years	2	2	2	2	2	2

VRF - Floor standing (rooms, hotel)





VRF indoor units		SVFS 28	SVFS 36	SVFS 56	SVFS 71	SVFS 80
Cooling capacity	**kW**	**2,8**	**3,6**	**5,6**	**7,1**	**8,0**
Heating capacity	**kW**	**3,2**	**4,0**	**6,3**	**8,0**	**9,0**
Air flow indoor	m³/h	420 - 570	380 - 620	830 - 1150	870 - 1380	1020 - 1330
Indoor fan speeds		3	3	3	3	3
Sound Level (high-low)	dB(A)	29 - 36	30 - 37	31 - 41	33 - 44	33 - 44
Controller		Remote	Remote	Remote	Remote	Remote
Dimensions (HxWxD)	mm	1000x625x220	1200x625x220	1500x625x220	1500x625x220	1500x625x220
Weight	kg	30	37	44	44	44
Warranty	Years	2	2	2	2	2

VRF - Wall mounted (rooms, hotel)

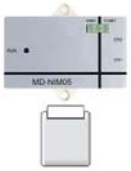




VRF indoor units		SVWW 28	SVWW 36	SVWW 56	SVWW 71	SVWW 90
Cooling capacity	**kW**	**2,8**	**3,6**	**5,6**	**7,1**	**9,0**
Heating capacity	**kW**	**3,2**	**4,0**	**6,3**	**8,0**	**10,0**
Air flow indoor	m³/h	430 - 525	480 - 590	755 - 925	680 - 1190	640 - 1320
Indoor fan speeds		3	3	3	3	3
Sound Level (high-low)	dB(A)	29 - 35	29 - 35	34 - 40	39 - 45	41 - 47
Controller		Remote	Remote	Remote	Remote	Remote
Dimensions (HxWxD)	mm	915x290x230	915x290x230	1072x315x230	1250x325x230	1250x325x245
Weight	kg	13	13	15	20	20
Warranty	Years	2	2	2	2	2

VRF - Controllers





VRF indoor units		RM 05	KJR 10/12B	Card Interface	CCM 03	CCM 09
Controller type		Decentral	Decentral	Accessory to KJR 10/12B	Central	Central
Supplied units		1 indoor unit	1 indoor unit	1 KJR 10/12B	64	64
Signal Transmission		Infrared	Wired , 3 (!) wired	Wired, connected to KJR 10/12B	3	3
Time scheduler		Yes	Yes	n.a.	No	Yes
Power supply		220V/50/1p	220V/50/1p	220V/50/1p	220V/50/1p	220V/50/1p
Warranty	Years	2	2	2	2	2

Accessories

Mounting Kits for Split Outdoor Units	
Mounting kits for safe installation of split outdoor units incl. rails, screws etc.	
MT-SP-W1	Wall Mounting
MT-SP-W2	Wall Mounting with add. horizontal beam
MT-SP-R	Mounting on pitched roof
MT-SP-F	Mounting on floor

Installation Kits for Solar Panel	
Installation kits, consistent of aluminum rails, L-profiles, stainless steel screws, nuts and bolts	
SAE-PITCH	Pitched Roof
SAE-FLAT	Flat Roof
SAE-GRND	Ground Mount (same as for Flat Roof)
SAE-WALL	Wall Mount

All European certifications passed: CE EMC

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