

ZEN

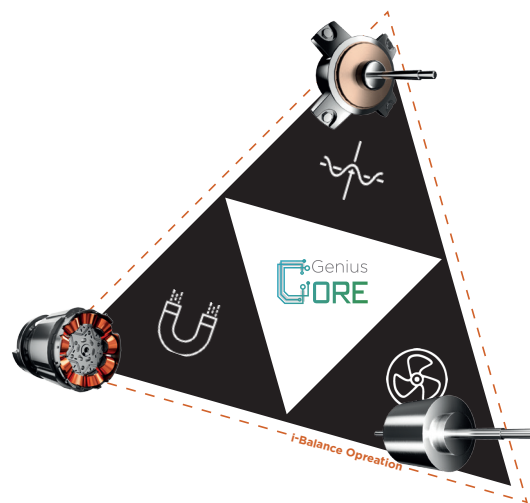
COMMERCIAL RANGE

The Kaysun R-32 commercial range includes axial outdoor units, in addition to several types of indoor units. The Kaysun outdoor units are compact, robust machines that require little space for installation. They can be used with up to 75 metres of refrigerant piping and a height difference of 30 metres, in accordance with capacity.

Full DC Inverter

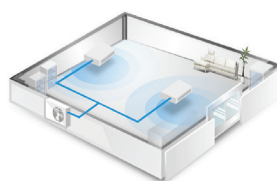
The exclusive Kaysun GENIUS CORE algorithm provides the system with complete stability. Using the Alpha chip, the compressor, PWM module and DC motors in the unit work in an optimum way, adapting to the real demand and preventing losses of energy.

The dynamic adjustment of the electrical power guarantees constant equilibrium for the system, meaning the Kaysun units maintain powerful, efficient, stable performance even when operating for long periods.



WiFi

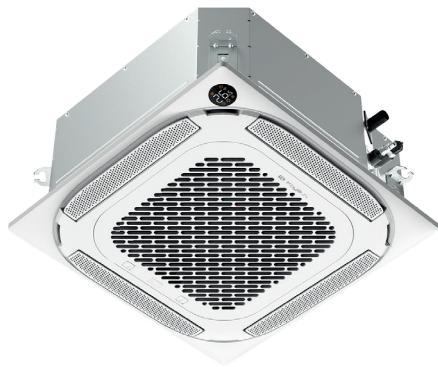
It is possible to control Kaysun units via a tablet or smartphone as an option. The units can be managed remotely and they even have a weekly programmer.



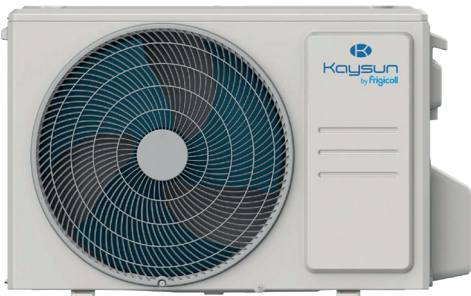
Twins

Within the range it is possible to install TWIN-type units, meaning the installation of two indoor units which provide greater distribution of air while improving climate control, in conjunction with a single outdoor unit.

CASSETTE (600x600)



KID-06 S
Standard



FOR COMPATIBLE CONTROLS AND
ACCESSORIES SEE PAGE 132

Set Model		KCIA-26 DVR15	KCIA-35 DVR15	KCIA-52 DVR15
> Set				
Cooling capacity rated	kW	2.63	3.52	5.28
Cooling capacity min. / max.	kW	0.35 / 3.07	0.85 / 4.16	2.9 / 5.59
Heating capacity rated	kW	3.07	3.81	5.57
Heating capacity min. / max.	kW	0.90 / 3.51	0.47 / 4.34	2.37 / 6.1
Cooling input rated	W	800	1015	1550
Cooling input min. / max.	W	145 / 1100	160 / 1450	720 / 2040
Heating input rated	W	1000	1020	1560
Heating input min. / max.	W	300 / 1300	125 / 1390	700 / 1950
EER		3.29	3.47	3.41
COP		3.07	3.73	3.57
SEER		6.3 - A++	6.8 - A++	6.5 - A++
SCOP		4.1 - A+	4.1 - A+	4.1 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1
> Outdoor unit		KUE-26 DVR14	KUE-35 DVR13	KUE-52 DVR13
Air flow	m ³ /h	2000	2000	2100
Sound pressure	dB(A)	54	54	56
Sound power level	dB(A)		61	62
Width / Height / Depth	mm	765 / 555 / 303	765 / 555 / 303	805 / 555 / 330
Net weight	kg	24.6	24.6	32.5
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Power wiring	mm ²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
> Indoor unit		KCI-26 DR15	KCI-35 DR15	KCI-52 DR15
Air flow low / medium / high	m ³ /h	330 / 520 / 620	330 / 520 / 620	300 / 540 / 660
Sound pressure	dB(A)	25.5 / / 31.5 / 38.5 / / 42 /	25.5 / / 31.5 / 38.5 / / 42 /	25 / / 31.5 / 41 / / 44 /
Sound power level	dB(A)	55	55	59
Width / Height / Depth	mm	570 / 245 / 570	570 / 245 / 570	570 / 245 / 570
Net weight	kg	16.2	16.2	16.2
Power supply	V/ph/Hz	With communication	With communication	With communication
Panel; Model		KPA-03B 600x600	KPA-03B 600x600	KPA-03B 600x600
Panel; Width / Height / Depth	mm	620 / 50 / 620	620 / 50 / 620	/ /
Panel; Net weight	kg	2.7	2.7	
> Refrigerant				
Type refrigerant		R-32	R-32	R-32
Refrigerant charge	kg	0.65	0.71	1.15
Liquid / Gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Piping total length	m	25	25	30
Vertical piping max. length	m	10	10	20
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24

Provisional data

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).

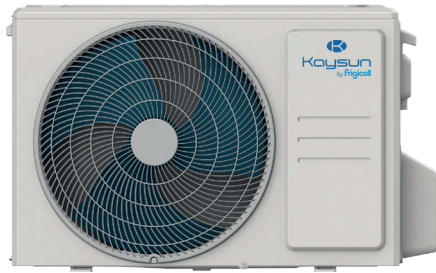
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

CASSETTE (840x840)



KID-06 S
Standard



Set model		KCISA-71 DVR15	KCISA-90 DVR15	KCISA-105 DVR14
> Set				
Cooling capacity rated	kW	7.03	8.79	10.55
Cooling capacity min. / max.	kW	3.3 / 7.91	2.23 / 9.38	2.7 / 11.43
Heating capacity rated	kW	7.52	9.38	11.14
Heating capacity min. / max.	kW	2.79 / 8.50	2.7 / 9.73	2.78 / 12.66
Heating capacity rated at -7°C	kW	3.31	6.55	7.52
Cooling input rated	W	2320	2750	4000
Cooling input min. / max.	W	780 / 2750	190 / 3000	890 / 4150
Heating input rated	W	1900	2450	3000
Heating input min. / max.	W	610 / 2300	430 / 2550	780 / 4000
EER		2.88	3.2	2.65
COP		4.10	4	3.68
COP at -7°C		2.65	2.55	2.6
SEER		6.3 - A++	6.6 - A++	6.1 - A++
SCOP		4.1 - A+	4.2 - A+	4 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1
> Outdoor unit				
		KUE-71 DVR14	KUE-90 DVR14	KUE-105 DVR13
Air flow	m ³ /h	3500	3800	4000
Sound pressure	dB(A)	60	62	63
Sound power level	dB(A)	68	70	70
Width / Height / Depth	mm	890 / 673 / 342	946 / 810 / 410	946 / 810 / 410
Net weight	kg	41.9	51	66.900
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Power wiring	mm ²	(2+T)x2.5	(2+T)x2.5	(2+T)x4
> Indoor unit				
		KCIS-71 DR14	KCIS-90 DR14	KCIS-105 DR14
Air flow low / medium / high	m ³ /h	992 / 1118 / 1247	1300 / 1530 / 1700	1300 / 1530 / 1700
Sound pressure low / medium / high	dB(A)	42 / 47.5 / 50	46 / 48 / 50.5	46 / 49 / 51
Sound power level	dB(A)	59	63	64
Width / Height / Depth	mm	830 / 205 / 830	830 / 245 / 830	830 / 245 / 830
Net weight	kg	21.6	24.6	27.2
Power supply	V/ph/Hz	With communication	With communication	With communication
Power wiring	mm ²	With communication	With communication	With communication
Panel; Model		LCAC KPA4-04B 840x840	LCAC KPA4-04B 840x840	LCAC KPA4-04B 840x840
Panel; Width / Height / Depth	mm	950 / 55 / 950	950 / 55 / 950	950 / 55 / 950
Panel; Net weight	kg	6	6	6
> Refrigerant				
Type refrigerant		R-32	R-32	R-32
Refrigerant charge	kg	1.9	2	2.4
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	50	50	75
Vertical piping max. length	m	25	25	30
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.



KID-06 S
Standard



FOR COMPATIBLE CONTROLS AND
ACCESSORIES SEE PAGE 132

Set model		KCISA-140 DTR15	KCISA-160 DTR15
> Set			
Cooling capacity rated	kW	14.07	15.24
Cooling capacity min. / max.	kW	3.52 / 15.83	4.10 / 16.12
Heating capacity rated	kW	16.12	18.17
Heating capacity min. / max.	kW	4.20 / 17.29	4.40 / 19.05
Heating capacity rated at -7°C	kW	9.74	10.53
Cooling input rated	W	4980	5700
Cooling input min. / max.	W	810 / 6350	1000 / 6250
Heating input rated	W	4580	5700
Heating input min. / max.	W	900 / 5500	1020 / 6350
EER		3.03	2.95
COP		3.5	3.22
COP at -7°C		2.68	2.59
SEER		6.1 - A++	6.1 - A++
SCOP		4.0 - A+	4.0 - A+
Shielded communication wiring	mm ²	4x1	4x1
> Outdoor unit			
		KUE-140 DTR14	KUE-160 DTR14
Air flow	m ³ /h	5600	5600
Sound pressure	dB(A)	64	65
Sound power level	dB(A)	73	75
Width / Height / Depth	mm	990 / 975 / 375	990 / 975 / 375
Net weight	kg	90.0	92.0
Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
Power wiring	mm ²	(4+T)x2,5	(4+T)x2,5
> Indoor unit			
		KCIS-140 DR14	KCIS-160 DR14
Air flow low / medium / high	m ³ /h	1600 / 1750 / 1900	1650 / 1850 / 2000
Sound pressure low / medium / high	dB(A)	48 / 50.5 / 52.5	49.5 / 52 / 54.5
Sound power level	dB(A)	66	66
Width / Height / Depth	mm	830 / 287 / 830	830 / 287 / 830
Net weight	kg	29.3	29.3
Power supply	V/ph/Hz	With communication	With communication
Power wiring	mm ²	With communication	With communication
Panel; Model		LCAC KPA4-04B 840x840	LCAC KPA4-04B 840x840
Panel; Width / Height / Depth	mm	950 / 55 / 950	950 / 55 / 950
Panel; Net weight	kg	6	6
> Refrigerant			
Type refrigerant		R-32	R-32
Refrigerant charge	kg	2.9	3
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	75	75
Vertical piping max. length	m	30	30
> Working range			
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

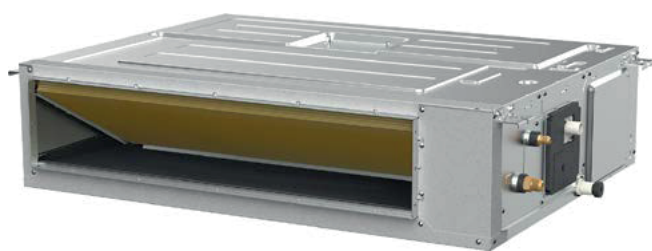
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is 1/4". For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

DUCTS



KCT-04.1 SPSWF
Standard



FOR COMPATIBLE CONTROLS AND ACCESSORIES SEE PAGE 132

Set Model		KPDA-26 DVR15	KPDA-35 DVR15	KPDA-52 DVR15
> Set				
Cooling capacity rated	kW	2.63	3.52	5.28
Cooling capacity min. / max.	kW	0,35 / 3,07	0,52 / 3,99	1,31 / 6,15
Heating capacity rated	kW	3,07	3,81	6,01
Heating capacity min. / max.	kW	0,90 / 3,51	0,99 / 4,39	1,49 / 6,30
Cooling input rated	W	800	1080	1590
Cooling input min. / max.	W	145 / 1100	155 / 1373	360 / 2130
Heating input rated	W	1000	1038	1615
Heating input min. / max.	W	300 / 1300	302 / 1390	500 / 1850
EER		3.29	3.26	3.32
COP		3.07	3.67	3.72
SEER		6.3 - A++	6.3 - A++	6.5 - A++
SCOP		4.1 - A+	4.1 - A+	4.1 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1
> Outdoor unit				
		KUE-26 DVR14	KUE-35 DVR13	KUE-52 DVR13
Air flow	m ³ /h	2000	2000	2100
Sound pressure	dB(A)	54	54	59
Sound power level	dB(A)	61	61	62
Width / Height / Depth	mm	765 / 555 / 303	765 / 555 / 303	805 / 555 / 330
Net weight	kg	24.6	26.6	32.5
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Power wiring	mm ²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
> Indoor unit				
		KPD-26 DR15	KPD-35 DR15	KPD-52 DR15
Air flow low / medium / high	m ³ /h	300 / 480 / 600	300 / 480 / 600	600 / 780 / 900
Sound pressure low / medium / high	dB(A)	29 / 31 / 34	30 / 32 / 34	34 / 31 / 36.5
Sound power level	dB(A)	55	56	53
Max. pressure available	Pa	80	100	160
Width / Height / Depth	mm	700 / 200 / 506	700 / 200 / 506	700 / 245 / 750
Net weight	kg	18	18	24.4
Possibility of vertical installation		No	No	Yes
> Refrigerant				
Type refrigerant		R-32	R-32	R-32
Refrigerant charge	kg	0.65	0.71	1.15
Liquid / Gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Piping total length	m	25	25	30
Vertical piping max. length	m	10	10	20
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is 1/4". For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.



KCT-04.1 SPSWF
Standard

FOR COMPATIBLE CONTROLS AND
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Set Model		KPDA-125 DVR15	KPDA-140 DTR15	KPDA-140 DVR15	KPDA-160 DTR15
> Set					
Cooling capacity rated	kW	12.02	14.07	14.07	15.24
Cooling capacity min. / max.	kW	2,93 / 12,31	3,51 / 15,83	3,51 / 15,83	4,10 / 17,30
Heating capacity rated	kW	13,48	16,12	16,12	17,59
Heating capacity min. / max.	kW	3,37 / 14,07	4,10 / 17,59	4,10 / 17,59	4,39 / 20,52
Cooling input rated	W	4200	4800	4800	5250
Cooling input min. / max.	W	680 / 4500	810 / 6450	810 / 6450	1030 / 6650
Heating input rated	W	3450	4600	4600	5150
Heating input min. / max.	W	750 / 4100	950 / 5800	950 / 5800	950 / 6600
EER		2.86	2.93	2.93	2.90
COP		3.91	3.50	3.50	3.42
SEER		6.1 - A++	6.1 - A++	6.1 - A++	6.1 - A++
SCOP		4.0 - A+	4.0 - A+	4.0 - A+	4.0 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1	4x1
> Outdoor unit					
		KUE-125 DVR13	KUE-140 DTR14	KUE-140 DVR14	KUE-160 DTR14
Air flow	m ³ /h	4000	5600	5600	5600
Sound pressure	dB(A)	63	64.5	64.5	65
Sound power level	dB(A)	73	73	73	74
Width / Height / Depth	mm	946 / 810 / 410	990 / 975 / 375	990 / 975 / 375	990 / 975 / 375
Net weight	kg	71.0	90.0	82.0	92.0
Power supply	V/ph/Hz	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
Power wiring	mm ²	(2+T)x4	(4+T)x2,5	(2+T)x4	(4+T)x2,5
> Indoor unit					
		KPD-125 DR15	KPD-140 DR15	KPD-140 DR15	KPD-160 DR15
Air flow low / medium / high	m ³ /h	1300 / 1700 / 2000	1300 / 1700 / 2000	1300 / 1700 / 2000	1500 / 1900 / 2200
Sound pressure low / medium / high	dB(A)	36 / 37.5 / 39	40 / 42 / 44	40 / 42 / 44	41.5 / 43 / 44.5
Sound power level	dB(A)	65	65	65	66
Max. pressure available	Pa	160	200	200	200
Width / Height / Depth	mm	1200 / 245 / 750	1200 / 245 / 750	1200 / 245 / 750	1200 / 300 / 750
Net weight	kg	40.4	40.4	40.4	47.4
Possibility of vertical installation		Yes	Yes	Yes	Yes
> Refrigerant					
Type refrigerant		R-32	R-32	R-32	R-32
Refrigerant charge	kg	2.8	2.9	2.9	3.2
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	75	75	75	75
Vertical piping max. length	m	30	30	30	30
> Working range					
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is $1/4"$. For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

Floor/Ceiling



FOR COMPATIBLE CONTROLS AND ACCESSORIES SEE PAGE 132

Set model		KPCA-52 DVR14	KPCA-71 DVR15	KPCA-105 DVR14
> Set				
Cooling capacity rated	kW	5.28	7.03	10.55
Cooling capacity min. / max.	kW	2.71 / 5.86	3.22 / 7.95	2.73 / 11.78
Heating capacity rated	kW	5.57	7.62	11.72
Heating capacity min. / max.	kW	2.42 / 6.3	2.72 / 8.50	2.81 / 12.78
Heating capacity rated at -7°C	kW	3.54	4.87	7.61
Cooling input rated	W	1450	2300	4000
Cooling input min. / max.	W	670 / 2027	750 / 2730	890 / 4300
Heating input rated	W	1500	1980	3350
Heating input min. / max.	W	540 / 1640	650 / 2940	780 / 3950
EER		3.7	2.95	2.6
COP		3.75	4	3.6
COP at -7°C		2.88	2.72	2.5
SEER		6.1 - A++	6.1 - A++	6.1 - A++
SCOP		4 - A+	4.1 - A+	4 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1
> Outdoor unit				
		KUE-52 DVR13	KUE-71 DVR14	KUE-105 DVR13
Air flow	m ³ /h	2100	3500	3800
Sound pressure	dB(A)	56	60	62
Sound power level	dB(A)	65	68	70
Width / Height / Depth	mm	805 / 555 / 330	890 / 673 / 342	946 / 810 / 410
Net weight	kg	32.5	41.9	52.8
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Power wiring	mm ²	(2+T)x1,5	(2+T)x2,5	(2+T)x4
> Indoor unit				
		KPC-52 DR14	KPC-71 DR14	KPC-105 DR14
Air flow low / medium / high	m ³ /h	723 / 839 / 958	853 / 1023 / 1192	1504 / 1728 / 1955
Sound pressure low / medium / high	dB(A)	37 / 41 / 44	43 / 47 / 51	45 / 47.5 / 51
Sound power level	dB(A)	59	55	65
Width / Height / Depth	mm	1068 / 235 / 675	1068 / 235 / 675	1650 / 235 / 675
Net weight	kg	28	28	41.5
Power supply	V/ph/Hz	With communication	With communication	With communication
Power wiring	mm ²	With communication	With communication	With communication
> Refrigerant				
Type refrigerant		R-32	R-32	R-32
Refrigerant charge	kg	1.15	1.5	2
Liquid / Gas pipe diameter	inch	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	30	50	50
Vertical piping max. length	m	20	25	25
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is $1/4"$. For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.



FOR COMPATIBLE CONTROLS AND ACCESSORIES SEE PAGE 132

Set model		KPCA-140 DTR15	KPCA-160 DTR15
> Set			
Cooling capacity rated	kW	14.07	15.24
Cooling capacity min. / max.	kW	3.52 / 15.24	4.10 / 16.12
Heating capacity rated	kW	16.12	18.17
Heating capacity min. / max.	kW	4.10 / 17.59	4.40 / 19.35
Heating capacity rated at -7°C	kW	9.91	10.53
Cooling input rated	W	5000	5900
Cooling input min. / max.	W	910 / 6200	1100 / 6500
Heating input rated	W	4800	5950
Heating input min. / max.	W	950 / 5950	1120 / 6350
EER		2.83	2.76
COP		3.07	3
COP at -7°C		2.65	2.6
SEER		6.1 - A++	6.1 - A++
SCOP		4.0 - A+	4.0 - A+
Shielded communication wiring	mm ²	4x1	4x1
> Outdoor unit			
		KUE-140 DTR14	KUE-160 DTR14
Air flow	m ³ /h	5600	5600
Sound pressure	dB(A)	64	65
Sound power level	dB(A)	73	75
Width / Height / Depth	mm	990 / 975 / 375	990 / 975 / 375
Net weight	kg	90.0	92.0
Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
Power wiring	mm ²	(4+T)x2,5	(4+T)x4
> Indoor unit			
		KPC-140 DR14	KPC-160 DR14
Air flow low / medium / high	m ³ /h	1600 / 1850 / 2200	1650 / 1950 /
Sound pressure low / medium / high	dB(A)	46 / 50 / 53	48 / 52 / 55
Sound power level	dB(A)	67	67
Width / Height / Depth	mm	1650 / 235 / 675	1650 / 235 / 675
Net weight	kg	41.7	42.3
Power supply	V/ph/Hz	With communication	With communication
Power wiring	mm ²	With communication	With communication
> Refrigerant			
Type refrigerant		R-32	R-32
Refrigerant charge	kg	2.4	2.8
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	75	75
Vertical piping max. length	m	30	30
> Working range			
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is 1/4". For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

Floor Standing



Set Model		KPVA-160 DTR14
> Set		
Cooling capacity rated	kW	15,25
Cooling capacity min. / max.	kW	4,11 / 16,13
Heating capacity rated	kW	18,18
Heating capacity min. / max.	kW	4,40 / 18,77
Cooling input rated	W	6000
Cooling input min. / max.	W	1000 / 7200
Heating input rated	W	5600
Heating input min. / max.	W	1020 / 7200
EER		2.54
COP		3.24
SEER		5.8
SCOP		4.0 - A+
Shielded communication wiring	mm ²	4x1
> Outdoor unit		KUE-160 DTR14
Air flow	m ³ /h	5600
Sound pressure	dB(A)	65
Width / Height / Depth	mm	980 / 975 / 375
Net weight	kg	92
Power supply	V/ph/Hz	380-415/3/50
Power wiring	mm ²	(4+T)x4
> Indoor unit		KPV-160 DR14
Air flow low / medium / high	m ³ /h	1600 / 1750 / 1950
Sound pressure	dB(A)	40 / / 45.5 / 50.5 / / 53 /
Sound power level	dB(A)	64
Width / Height / Depth	mm	600 / 1934 / 455
Net weight	kg	61.4
> Refrigerant		
Type refrigerant		R-32
Refrigerant charge	kg	3.2
Liquid / Gas pipe diameter	inch	3/8" / 5/8"
Piping total length	m	75
Vertical piping max. length	m	30

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is 1/4". For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

Twin Cassette 840x840



Set model		KCISA-71 DVR15 TWIN	KCISA-71 DTR15 TWIN	KCISA-90 DTR15 TWIN
> Set				
Cooling capacity rated	kW	14.07	14.07	15.24
Cooling capacity min. / max.	kW	3,51 / 15,83	3,51 / 15,83	4,10 / 17,30
Heating capacity rated	kW	16,12	16,12	17,59
Heating capacity min. / max.	kW	4,10 / 17,59	4,10 / 17,59	4,39 / 20,52
Cooling input rated	W	4800	4800	5250
Cooling input min. / max.	W	810 / 6450	810 / 6450	1030 / 6650
Heating input rated	W	4600	4600	5150
Heating input min. / max.	W	950 / 5800	950 / 5800	950 / 6600
EER		2.93	2.93	2.90
COP		3.50	3.50	3.42
SEER		6.1 - A++	6.1 - A++	6.1 - A++
SCOP		4.0 - A+	4.0 - A+	4.0 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1
> Outdoor unit				
		KUE-140 DVR14	KUE-140 DTR14	KUE-160 DTR14
Air flow	m ³ /h	5600	5600	5600
Sound pressure	dB(A)	64.5	64.5	65
Sound power level	dB(A)	73	73	74
Width / Height / Depth	mm	990 / 975 / 375	990 / 975 / 375	990 / 975 / 375
Net weight	kg	82.0	90.0	92.0
Power supply	V/ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50
Power wiring	mm ²	(4+T)x2,5	(4+T)x2,5	(4+T)x2,5
> Indoor unit				
		2x KCIS-71 DR14	2x KCIS-71 DR14	2x KCIS-90 DR14
Air flow low / medium / high	m ³ /h	1600 / 1750 / 1900	1600 / 1750 / 1900	1650 / 1850 / 2000
Sound pressure low / medium / high	dB(A)	48 / 50.5 / 52.5	48 / 50.5 / 52.5	49.5 / 52 / 54.5
Sound power level	dB(A)	66	66	66
Width / Height / Depth	mm	830 / 287 / 830	830 / 287 / 830	830 / 287 / 830
Net weight	kg	29.3	29.3	29.3
> Refrigerant				
Type refrigerant		R-32	R-32	R-32
Refrigerant charge	kg	2.9	2.9	3.2
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	75	75	75
Vertical piping max. length	m	30	30	30
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

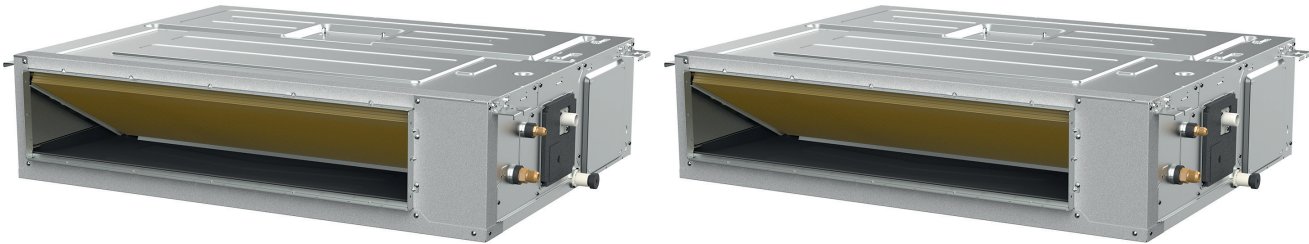
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

Twin Duct



FOR COMPATIBLE CONTROLS AND ACCESSORIES SEE PAGE 132

Set model		KPDA-35 DVR15 TWIN	KPDA-52 DTR15 TWIN	KPDA-52 DVR15 TWIN
> Set				
Cooling capacity rated	kW	7.03	10.55	10.55
Cooling capacity min. / max.	kW	3.22 / 7.91	2.75 / 11.14	2.73 / 11.78
Heating capacity rated	kW	7.62	11.72	11.72
Heating capacity min. / max.	kW	2.78 / 8.56	2.78 / 12.78	2.78 / 12.84
Cooling input rated	W	2280	3950	4000
Cooling input min. / max.	W	750 / 2860	900 / 4150	890 / 4200
Heating input rated	W	2000	3250	3250
Heating input min. / max.	W	640 / 2500	800 / 3950	780 / 4000
EER		3.08	2.6	2.7
COP		3.81	3.71	3.71
SEER		6.5 - A++	6.1 - A++	6.1 - A++
SCOP		4.2 - A+	4.0 - A+	4.0 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1
> Outdoor unit				
		KUE-71 DVR14	KUE-105 DTR13	KUE-105 DVR13
Air flow	m ³ /h	3500	4000	4000
Sound pressure	dB(A)	60	63	63
Sound power level	dB(A)	69	70	70
Width / Height / Depth	mm	890 / 673 / 342	946 / 810 / 410	946 / 810 / 410
Net weight	kg	41.9	80.5	66.9
Power supply	V/ph/Hz	220-240/1/50	380-415/3/50	220-240/1/50
Power wiring	mm ²	(2+T)x2,5	(4+T)x2,5	(2+T)x4
> Indoor unit				
		2x KPD-35 DR15	2x KPD-52 DR15	2x KPD-52 DR15
Air flow low / medium / high	m ³ /h	300 / 480 / 600	600 / 780 / 900	600 / 780 / 900
Sound pressure low / medium / high	dB(A)	30 / 32 / 34	34 / 31 / 36.5	34 / 31 / 36.5
Sound power level	dB(A)	56	53	53
Max. pressure available	Pa	100	160	160
Width / Height / Depth	mm	700 / 200 / 506	700 / 245 / 750	700 / 245 / 750
Net weight	kg	18	24.4	24.4
Possibility of vertical installation		No	Yes	Yes
> Refrigerant				
Type refrigerant		R-32	R-32	R-32
Refrigerant charge	kg	1.4	2.4	2.4
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	50	75	75
Vertical piping max. length	m	25	30	30
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is 1/4". For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

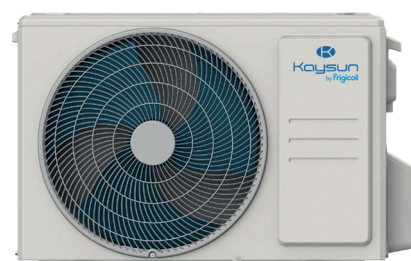
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

*In these models it is possible to combine horizontal and vertical units. If you require the vertical, request the reference with the V.

Twin Floor/Ceiling



KID-06 S
Standard



KCM1 112
Branch pipe



FOR COMPATIBLE CONTROLS AND ACCESSORIES SEE PAGE 132

Set model		KPCA-52 DTR14 TWIN	KPCA-52 DVR14 TWIN	KPCA-71 DVR15 TWIN	KPCA-71 DTR15 TWIN
> Set					
Cooling capacity rated	kW	2x 5,28	2x 5,28	14,07	14,07
Cooling capacity min. / max.	kW	2,71 / 5,86	2,71 / 5,86	3,51 / 15,83	3,51 / 15,83
Heating capacity rated	kW	2x 5,57	2x 5,57	16,12	16,12
Heating capacity min. / max.	kW	2,42 / 6,3	2,42 / 6,3	4,10 / 17,59	4,10 / 17,59
Cooling input rated	W	1450	1450	4800	4800
Cooling input min. / max.	W	670 / 2027	670 / 2027	810 / 6450	810 / 6450
Heating input rated	W	1500	1500	4600	4600
Heating input min. / max.	W	540 / 1640	540 / 1640	950 / 5800	950 / 5800
EER		-	-	2,93	2,93
COP		3,61	3,71	3,50	3,50
COP at -7°C		2,6	2,6		
SEER		6,1 - A++	6,1 - A++	6,1 - A++	6,1 - A++
SCOP		4 - A+	4 - A+	4,0 - A+	4,0 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1	4x1
> Outdoor unit					
		KUE-105 DTR13	KUE-105 DVR13	KUE-140 DVR14	KUE-140 DTR14
Air flow	m ³ /h	4000	3800	5600	5600
Sound pressure	dB(A)	63	62	64,5	64,5
Sound power level	dB(A)	70	70	73	73
Width / Height / Depth	mm	946 / 810 / 410	946 / 810 / 410	990 / 975 / 375	990 / 975 / 375
Net weight	kg	66,90	52,8	82,0	90,0
Power supply	V/ph/Hz	380-415/3/50	220-240/1/50	220-240/1/50	380-415/3/50
Power wiring	mm ²	(4+T)x2,5	(2+T)x4	(4+T)x2,5	(4+T)x2,5
> Indoor unit					
		2x KPC-52 DR14	2x KPC-52 DR14	2x KPC-71 DR14	2x KPC-71 DR14
Air flow low / medium / high	m ³ /h	723 / 839 / 958	723 / 839 / 958	853 / 1023 / 1192	853 / 1023 / 1192
Sound pressure low / medium / high	dB(A)	37 / 41 / 44	37 / 41 / 44	43 / 47 / 51	43 / 47 / 51
Sound power level	dB(A)	59	59	55	55
Width / Height / Depth	mm	1068 / 235 / 675	1068 / 235 / 675	1068 / 235 / 675	1068 / 235 / 675
Net weight	kg	28	28	28	28
> Refrigerant					
Type refrigerant		R-32	R-32	R-32	R-32
Refrigerant charge	kg	2,4	2,4	2,9	2,9
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	75	75	75	75
Vertical piping max. length	m	30	30	30	30
> Working range					
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50	-15 / 50
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24	-15 / 24

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.

Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula $0.012 \text{ kg/m} \times (L-5)$ in the liquid line is $1/4"$. For greater diameters, use $0.024 \text{ kg/m} \times (L-5)$.

Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

*In these models it is possible to combine horizontal and vertical units. If you require the vertical, request the reference with the V.