

Floor/Ceiling


 KID-06 S
Standard

Technical documentation	Download
User Manual	PDF
Controller Manual	PDF
Declaration of Conformity	PDF
ErP	PDF
Dimensions	DWG
Communication diagrams	PDF



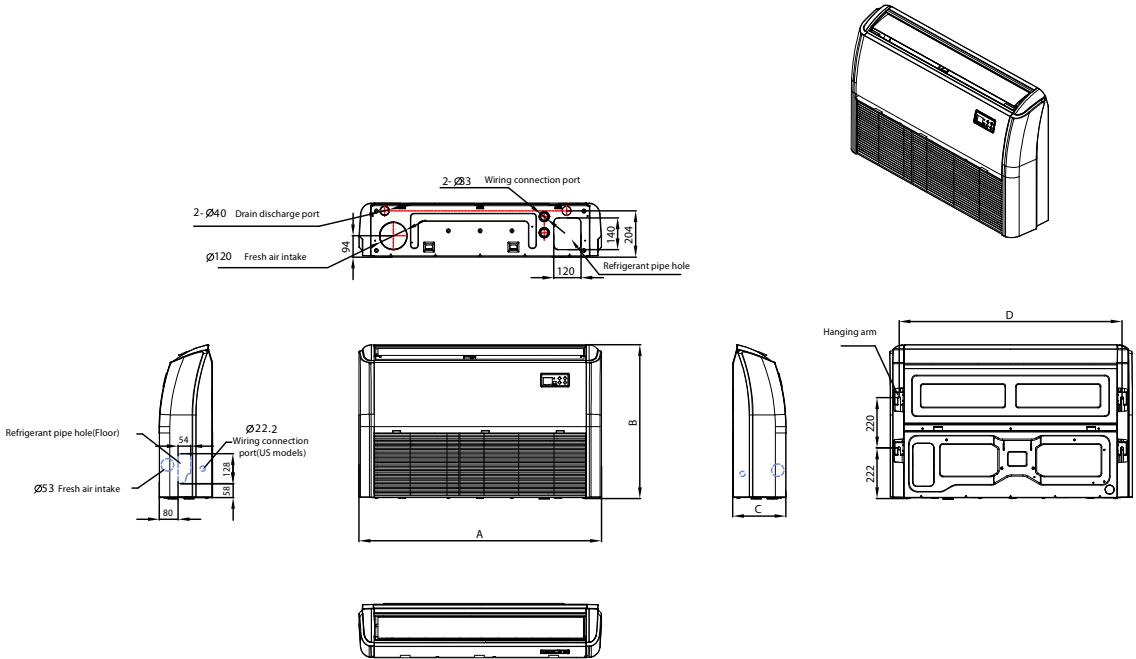
Set model		KPCA-52 DVR14	KPCA-71 DVR15	KPCA-105 DVR14	KPCA-105 DTR14
> Set					
Cooling capacity rated	kW	5.28	7.03	10.55	10.55
Cooling capacity min. / max.	kW	2.71 / 5.86	3.22 / 7.95	2.73 / 11.43	2.73 / 11.78
Heating capacity rated	kW	5.57	7.62	11.72	11.72
Heating capacity min. / max.	kW	2.42 / 6.3	2.72 / 8.50	2.78 / 12.78	2.81 / 12.78
Heating capacity rated at -7°C	kW	3.54	6.68	7.61	7.61
Cooling input rated	W	1450	2300	3900	4000
Cooling input min. / max.	W	670 / 2027	750 / 2730	900 / 4250	890 / 4300
Heating input rated	W	1500	1980	3350	3350
Heating input min. / max.	W	540 / 1640	650 / 2940	800 / 3950	780 / 3950
Heating input rated at -7°C	W	1229.17	2760.33	3044	3044
EER		3.7	2.95	2.6	2.6
COP		3.75	4	3.6	3.6
COP at -7°C		2.88	2.42	2.5	2.5
SEER		6.2 - A++	6.1 - A++	6.2 - A++	6.4 - A++
SCOP		4.0 - A+	4.1 - A+	4.0 - A+	4.1 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1	4x1
> Indoor unit					
		KPC-52 DR14	KPC-71 DR14	KPC-105 DR14	KPC-105 DR14
Power supply	V/ph/Hz	With communication	With communication	With communication	With communication
Communication wiring	mm ²	4x1	4x1	4x1	4x1
Width / Height / Depth	mm	1068 / 235 / 675	1068 / 235 / 675	1650 / 235 / 675	1650 / 235 / 675
Net weight	kg	28	28	41.5	41.5
Air flow low / medium / high	m ³ /h	723 / 839 / 958	853 / 1023 / 1192	1504 / 1728 / 2100	1504 / 1728 / 1955
Sound pressure	dB(A)	37 / 41 / 44	43 / 47 / 51	45 / 48 / 51.5	45 / 47.5 / 51
Sound power level	dB(A)	59	55	65	65
Power wiring	mm ²	With communication	With communication	With communication	With communication
> Outdoor unit					
		KUE-52 DVR13	KUE-71 DVR14	KUE-105 DVR13	KUE-105 DTR13
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50
Power wiring	mm ²	(2+T)x1,5	(2+T)x2,5	(4+T)x2,5	(2+T)x4
Circuit breaker		D20	D20	D20	D30
Width / Height / Depth	mm	805 / 554 / 330	890 / 673 / 342	946 / 810 / 410	946 / 810 / 410
Net weight	kg	32.5	41.9	80.5	66.9
Air flow	m ³ /h	2100	3500	4000	4000
Sound pressure	dB(A)	56	60	63	62
Sound power level	dB(A)	65	68	70	70
> Refrigerant					
Type refrigerant		R-32	R-32	R-32	R-32
GWP		675	675	675	675
Refrigerant charge	kg	1.15	1.5	2.4	2
t CO ₂ eq	tCO ₂	0.78	1.01	1.62	1.35
Pre-charge meters	m	5	5	5	5
Supplementary charge	kg/m	0.012	0.024	0.024	0.024
Liquid / Gas pipe diameter	inch	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	30	50	75	50
Vertical piping max. length	m	20	25	30	25
> Working range					
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24	-15 / 24
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50	-15 / 50

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Set Model		KPCA-140 DVR15	KPCA-140 DTR15	KPCA-160 DTR15
> Set				
Cooling capacity rated	kW	14.07	14.07	15.24
Cooling capacity min. / max.	kW	3.52 / 15.83	3.52 / 15.24	4.10 / 16.12
Heating capacity rated	kW	16.12	16.12	18.17
Heating capacity min. / max.	kW	4.10 / 17.30	4.10 / 17.59	4.40 / 19.35
Heating capacity rated at -7°C	kW	12.51	12.35	12.41
Cooling input rated	W	5000	5000	5900
Cooling input min. / max.	W	810 / 6350	910 / 6200	1100 / 6500
Heating input rated	W	4750	4800	5950
Heating input min. / max.	W	910 / 6050	950 / 5950	1120 / 6350
Heating input rated at -7°C	W	5764.98	5744.19	5799.07
EER		2.83	2.83	2.76
COP		3.07	3.07	3
COP at -7°C		2.17	2.15	2.14
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
> Indoor unit				
		KPC-140 DR14	KPC-140 DR14	KPC-160 DR14
Power supply	V/ph/Hz	With communication	With communication	With communication
Communication wiring	mm ²	4x1	4x1	4x1
Width / Height / Depth	mm	1650 / 235 / 675	1650 / 235 / 675	1650 / 235 / 675
Net weight	kg	41.7	41.7	42.3
Air flow low / medium / high	m ³ /h	1600 / 1850 / 2200	1600 / 1850 / 2200	1650 / 1950 / 2200
Sound pressure	dB(A)	46 / 50 / 53	46 / 50 / 53	48 / 52 / 55
Sound power level	dB(A)	67	67	67
Power wiring	mm ²	With communication	With communication	With communication
> Outdoor unit				
		KUE-140 DVR14	KUE-140 DTR14	KUE-160 DTR14
Power supply	V/ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50
Power wiring	mm ²	(2+T)x4	(4+T)x2.5	(4+T)x4
Circuit breaker		D40	D25	D25
Width / Height / Depth	mm	980 / 975 / 375	980 / 975 / 375	980 / 975 / 375
Net weight	kg	82.5	90.0	92.0
Air flow	m ³ /h	5600	5600	5600
Sound pressure	dB(A)	64	64	65
Sound power level	dB(A)	73	73	75
> Refrigerant				
Type refrigerant		R-32	R-32	R-32
GWP		675	675	675
Refrigerant charge	kg	2.4	2.4	2.8
t CO ₂ eq	tCO ₂	1.62	1.62	1.89
Pre-charge meters	m	5	5	5
Supplementary charge	kg/m	0.024	0.024	0.024
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 heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50

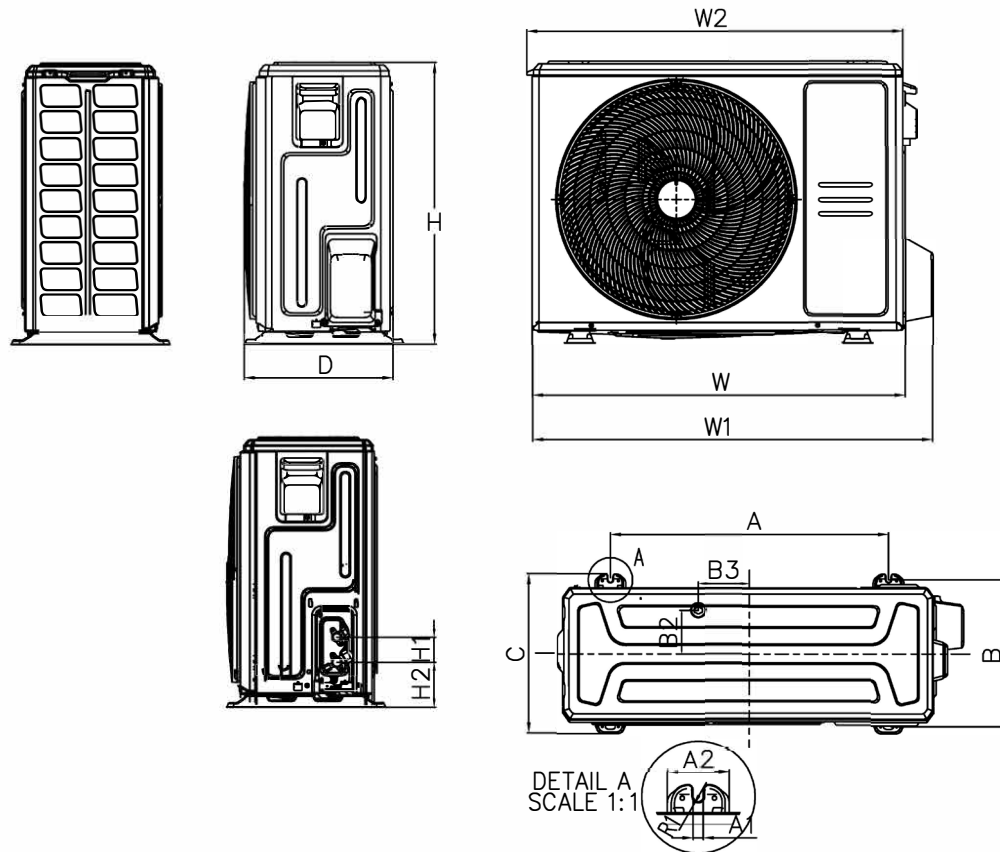
Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it. **Sound pressure:** Measurement of the sound pressure is taken using a semi-anechoic 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.

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Unit:mm				
Model	A	B	C	D
18K~24K	1068	675	235	983
36K~60K	1650	675	235	1565

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Platform	W	W1	W2	D	H	A	B	C	H1	H2	A1	A2	R1	B2	B3
X1	720	790	727	270	495	452	255	281	60	87	11.7	49	6	76.5	33
X2	765	835	784	303	555	452	286	314	60	93	10	62	5	76	18
X3	805	874	815	330	554	511	317	346	60	95	10	58	6.5	105	49
X4	890	955	895	342	673	663	354	380	60	108	12	74	6	52	61
X6	980	1073	/	415	975	616	397	440	60	114	12	76	6	111	95
D	946	1030	/	410	810	673	403	455	60	108	24	73	6	95	10

	2,6kW (09) 3,5kW (12)	5,2kW (18)	7,1kW (24)	9kW (30) 10,5kW (36) 12,5kW (42)	14kW (48) 16kW (55)
ODUs	X2	X3	X4	D	X6