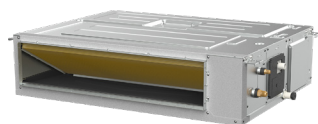


Ducts



KCT-04.1 SPSWF
Standard

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



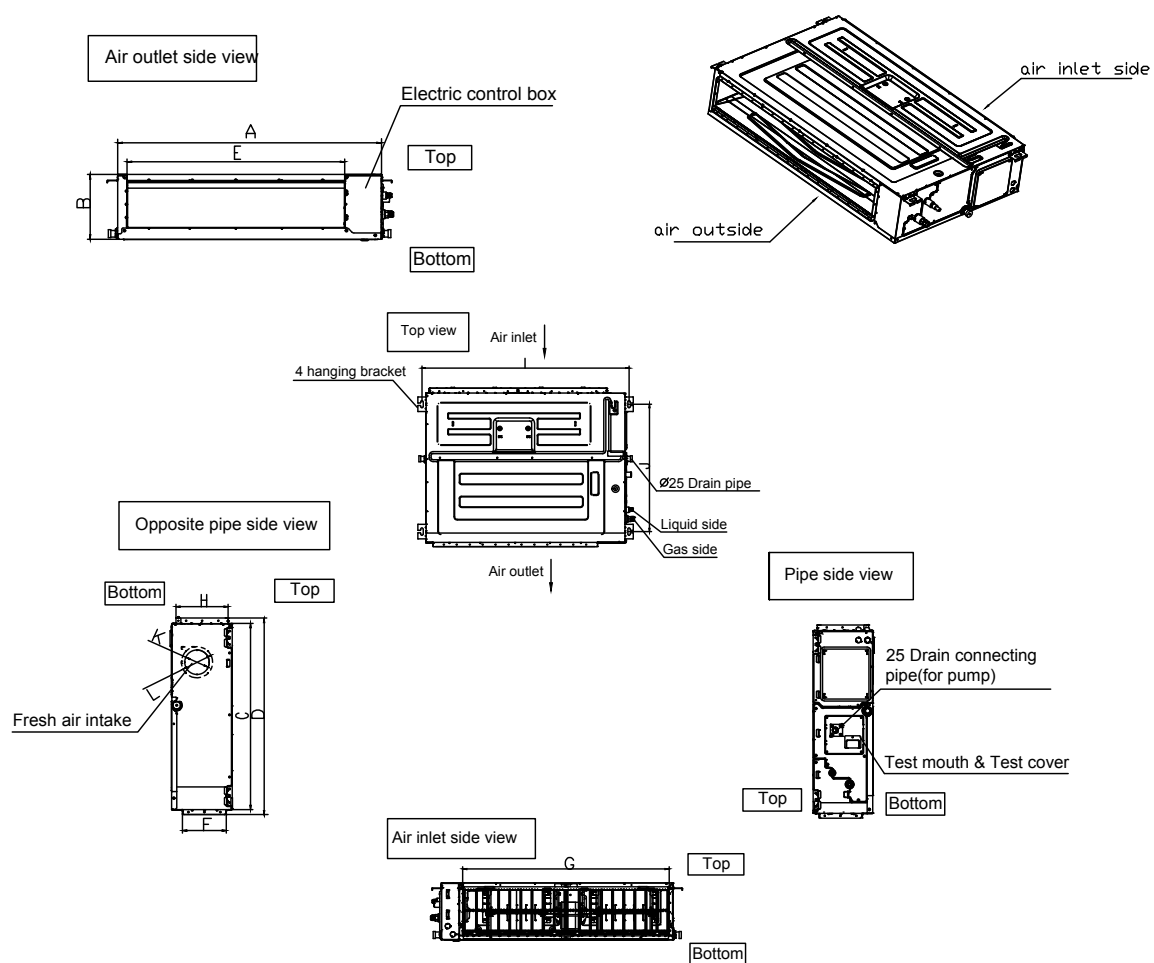
Set Model		KPDA-26 DVR15	KPDA-35 DVR15	KPDA-52 DVR15	KPDA-71 DVR15	KPDA-90 DVR15
> Set						
Cooling capacity rated	kW	2.63	3.52	5.28	7.03	8.79
Cooling capacity min. / max.	kW	0.35 / 3.07	0.52 / 3.99	1.31 / 6.15	3.22 / 7.91	2.22 / 9.50
Heating capacity rated	kW	3.07	3.81	6.01	7.62	9.38
Heating capacity min. / max.	kW	0.90 / 3.51	0.99 / 4.39	1.49 / 6.30	2.78 / 8.56	2.69 / 9.79
Heating capacity rated at -7°C	kW	2.50	2.84	4.12	6.41	6.88
Cooling input rated	W	800	1080	1590	2280	2800
Cooling input min. / max.	W	145 / 1100	155 / 1373	360 / 2130	750 / 2860	190 / 3400
Heating input rated	W	1000	1038	1615	2000	2400
Heating input min. / max.	W	300 / 1300	302 / 1390	500 / 1850	640 / 2500	430 / 2600
Heating input rated at -7°C	W	1077.59	1371.98	1709.54	2836.28	2991.3
EER		3.29	3.26	3.32	3.08	3.14
COP		3.07	3.67	3.72	3.81	3.91
COP at -7°C		2.32	2.07	2.41	2.26	2.30
SEER		6.3 - A++	6.3 - A++	6.5 - A++	6.5 - A++	6.3 - A++
SCOP		4.1 - A+	4.1 - A+	4.1 - A+	4.2 - A+	4.1 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1	4x1	4x1
> Indoor unit						
Power supply	V/ph/Hz	With communication	With communication	With communication	With communication	With communication
Communication wiring	mm ²	4x1	4x1	4x1	4x1	4x1
Width / Height / Depth	mm	700 / 200 / 506	700 / 200 / 506	700 / 245 / 750	1000 / 245 / 750	1000 / 245 / 750
Net weight	kg	18	18	24.4	31.8	32.7
Air flow low / medium / high	m ³ /h	450 / 540 / 620	470 / 570 / 660	650 / 780 / 900	700 / 1000 / 1200	900 / 1200 / 1500
Sound pressure	dB(A)	29 / 31/ 34	30 / 32/ 34	34 / 31/ 36.5	31 / 32.5/ 33.5	35 / 37/ 39
Sound power level	dB(A)	55	56	53	56	58
Max. pressure available	Pa	80	100	160	160	160
Possibility of vertical installation		No	No	Si	Si	Si
Air outlet width/height	mm	537/152	537/152	527/178	827/178	827/178
> Outdoor unit						
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Power wiring	mm ²	(2+T)x1.5	(2+T)x1.5	(2+T)x1.5	(2+T)x2.5	(2+T)x2.5
Circuit breaker		D20	D20	D20	D20	D30
Width / Height / Depth	mm	765 / 555 / 303	765 / 555 / 303	805 / 554 / 330	890 / 673 / 342	946 / 810 / 410
Net weight	kg	24.6	26.6	32.5	41.9	51
Air flow	m ³ /h	2000	2000	2100	3500	3800
Sound pressure	dB(A)	54	54	59	60	63
Sound power level	dB(A)	61	61	62	69	70
> Refrigerant						
Type refrigerant		R-32	R-32	R-32	R-32	R-32
GWP		675	675	675	675	675
Refrigerant charge	kg	0.65	0.71	1.15	1.4	1.8
t CO ₂ eq	tCO ₂	0.44	0.48	0.78	0.95	1.22
Pre-charge meters	m	5	5	5	5	5
Supplementary charge	kg/m	0.012	0.012	0.012	0.024	0.024
Liquid / Gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	25	25	30	50	50
Vertical piping max. length	m	10	10	20	25	25
> Working range						
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24	-15 / 24	-15 / 24
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50	-15 / 50	-15 / 50

Ducts

Set Model		KPDA-105 DVR15	KPDA-105 DTR15	KPDA-125 DVR15	KPDA-140 DVR15	KPDA-140 DTR15	KPDA-160 DTR15
> Set							
Cooling capacity rated	kW	10.55	10.55	12.02	14.07	14.07	15.24
Cooling capacity min. / max.	kW	2.75 / 11.14	2.75 / 11.14	2.93 / 12.31	3.51 / 15.83	3.51 / 15.83	4.10 / 17.30
Heating capacity rated	kW	11.73	11.73	13.48	16.12	16.12	17.59
Heating capacity min. / max.	kW	2.78 / 12.78	2.78 / 12.84	3.37 / 14.07	4.10 / 17.59	4.10 / 17.59	4.39 / 20.52
Heating capacity rated at -7°C	kW	8.86	8.51	9.14	12.51	12.91	13.26
Cooling input rated	W	3950	4000	4200	4800	4800	5250
Cooling input min. / max.	W	900 / 4150	890 / 4200	680 / 4500	810 / 6450	810 / 6450	1030 / 6650
Heating input rated	W	3250	3250	3450	4600	4600	5150
Heating input min. / max.	W	800 / 3950	780 / 4000	750 / 4100	950 / 5800	950 / 5800	950 / 6600
Heating input rated at -7°C	W	3973.09	3868.18	4080.36	5738.53	5662.28	5618.64
EER		2.67	2.64	2.86	2.93	2.93	2.90
COP		3.61	3.61	3.91	3.50	3.50	3.42
COP at -7°C		2.23	2.20	2.24	2.18	2.28	2.36
SEER		6.2 - A++	6.1 - A++	6.1 - A++	6.1 - A++	6.1 - A++	6.1 - A++
SCOP		4.1 - A+	4.1 - A+	4.0 - A+	4.0 - A+	4.0 - A+	4.0 - A+
Shielded communication wiring	mm ²	4x1	4x1	4x1	4x1	4x1	4x1
> Indoor unit							
Power supply	V/ph/Hz	With communication	With communication	With communication	With communication	With communication	With communication
Communication wiring	mm ²	4x1	4x1	4x1	4x1	4x1	4x1
Width / Height / Depth	mm	1200 / 245 / 750	1200 / 245 / 750	1200 / 245 / 750	1200 / 245 / 750	1200 / 245 / 750	1200 / 300 / 750
Net weight	kg	38.4	38.4	40.4	40.4	40.4	47.4
Air flow low / medium / high	m ³ /h	1100 / 1400 / 1700	1100 / 1400 / 1700	1300 / 1700 / 2000	1300 / 1700 / 2000	1300 / 1700 / 2000	1500 / 1900 / 2200
Sound pressure	dB(A)	33 / 36 / 38	34 / 37 / 40	36 / 37.5 / 39	40 / 42 / 44	40 / 42 / 44	41.5 / 43 / 44.5
Sound power level	dB(A)	60	60	65	65	65	66
Max. pressure available	Pa	160	160	160	200	200	200
Possibility of vertical installation		Si	Si	Si	Si	Si	Si
Air outlet width/height	mm	1027/178	1027/178	1027/178	1027/233	1027/233	1223/320
> Outdoor unit							
Power supply	V/ph/Hz	220-240/1/50	380-415/3/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Power wiring	mm ²	(2+T)x4	(4+T)x2.5	(2+T)x4	(2+T)x4	(4+T)x2.5	(4+T)x4
Circuit breaker		D30	D20	D40	D40	D25	D25
Width / Height / Depth	mm	946 / 810 / 410	946 / 810 / 410	946 / 810 / 410	980 / 975 / 375	980 / 975 / 375	980 / 975 / 375
Net weight	kg	66.9	80.5	71.0	82.5	90.0	92.0
Air flow	m ³ /h	4000	4000	4000	5600	5600	5600
Sound pressure	dB(A)	63	63	63	64.5	64.5	65
Sound power level	dB(A)	70	70	73	73	73	74
> Refrigerant							
Type refrigerant		R-32	R-32	R-32	R-32	R-32	R-32
GWP		675	675	675	675	675	675
Refrigerant charge	kg	2.4	2.4	2.8	2.9	2.9	3.2
t CO ₂ eq	tCO ₂	1.62	1.62	1.89	1.96	1.96	2.16
Pre-charge meters	m	5	5	5	5	5	5
Supplementary charge	kg/m	0.024	0.024	0.024	0.024	0.024	0.024
Liquid / Gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Piping total length	m	75	75	75	75	75	75
Vertical piping max. length	m	30	30	30	30	30	30
> Working range							
Outdoor ambient temperature for heating min. / max.	°C	-15 / 24	-15 / 24	-15 / 24	-15 / 24	-15 / 24	-15 / 24
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 50	-15 / 50	-15 / 50	-15 / 50	-15 / 50	-15 / 50
R.R.P; Outdoor unit		1850	2050	2255	2450	2585	2615

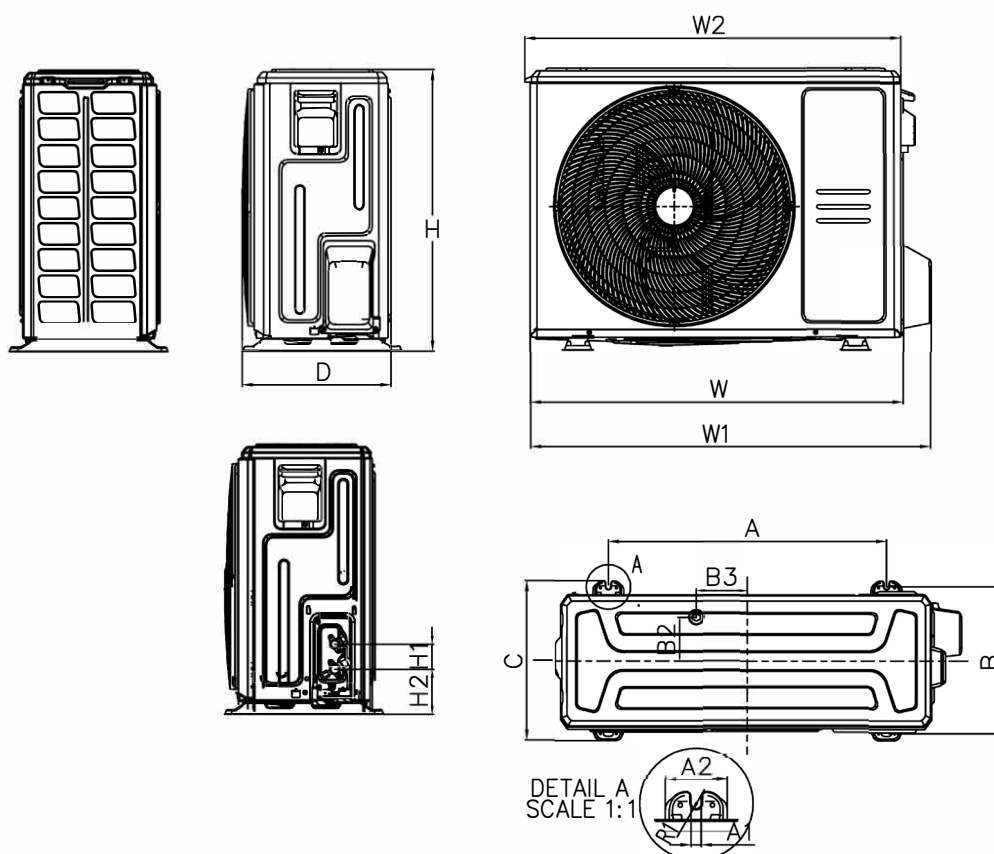
Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it. **Sound pressure:** Measurement of the sound pressure is taken using a semi-anechoic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

Ducts



MODEL	OUTLINE DIMENSION				AIR OUTLET OPENING SIZE		AIR RETURN OPENING SIZE		SIZE OF MOUNTED LUG		FRESH AIR INTAKE OPENING SIZE	
	A	B	C	D	E	F	G	H	I	J	K	L
7K~12K	700	200	450	506	537	152	599	186	741	360	92	113
12K~18K	700	245	750	795	527	178	592	212	740	640	100	126
18K~36K	1000	245	750	795	827	178	892	212	1040	640	100	126
36K~48K	1200	245	750	795	1027	178	1092	212	1240	640	100	126
48K~55K	1200	300	750	795	1027	233	1092	267	1240	640	125	160
48K~60K	1400	380	800	845	1223	320	1272	330	1440	668	125	160

Ducts



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