Super DAISEIKAI

The power of Daisaeikai Ionizer

AIR IONIZER

By generating more than 1 million negative ions for every square centimeter of air, the Daiseikai ionizer will invite the freshness of nature into your personal place. The invigorating atmosphere of forest and waterfalls can be experience directly in your own home.

SuperDaiseikai has been designed and created with the objective to provide excellence, respecting the latest eco-evolution trends and maintaining the ultimate comfort.

Improved class A efficiency with COP value above 5 (5,36 for size 10).

New technology and advanced electronic reduced the Annual Energy Consumption of 30%*.

Dual stage compressor improve the load effi ciency in a wide range of conditions.

Fast filtration: impurities are ionized by the ion charger and absorbed by the new heat exchanger.

Self cleaning to prevent the growth of mold inside the unit.

Nordic version with heat on the base plate of outdoor unit and winter operation mode.

P K V P

SUPER DAISEIKAI

HIGH-WALL

INDOOR UNITS

RAS-07PKVP-E
RAS-10PKVP-E
RAS-13PKVP-E
RAS-16PKVP-E
RAS-18PKVP-E

RAS-07PKVP-ND
RAS-10PKVP-ND
RAS-13PKVP-ND
RAS-16PKVP-ND
RAS-18PKVP-ND

OUTDOOR UNITS

RAS-07PAVP-E
RAS-10PAVP-E
RAS-13PAVP-E
RAS-16PAVP-E
RAS-18PAVP-E

RAS-M14GAV-E
RAS-M18UAV-E
RAS-3M18SAV-E
RAS-3M26UAV-E
RAS-4M27UAV-E
RAS-5M34UAV-E1

REMOTE CONTROLS

WIRELESS

*In cooling: compared to SKV

PKVP + PAVP — Performance data

Outdoor unit			RAS-07PAVP-E	RAS-10PAVP-E	RAS-13PAVP-E	RAS-16PAVP-E	RAS-18PAVP-E
Indoor unit			RAS-07PKVP-E	RAS-10PKVP-E	RAS-13PKVP-E	RAS-16PKVP-E	RAS-18PKVP-E
Cooling capacity	kW		2	2,5	3,5	4,5	5
Cooling range (min. - max.)	kW		0,3 - 3,0	0,3 - 3,5	0,3 - 4,5	0,3 - 5,0	0,3 - 5,5
Power input (min. - rated - max.)	kW	CO	0,07 - 0,35 - 0,68	0,07 - 0,47 - 0,88	0,07 - 0,77 - 1,25	0,07 - 1,22 - 1,49	0,07 - 1,49 - 1,75
EER	W/W		5,63	5,26	4,55	3,69	3,36
Energy efficiency class		CO	A	A	A	A	A
Annual energy consumption	kWh		177	237	385	610	745
Heating capacity	kW		2,5	3	4	5,5	6
Heating range (min. - max.)	kW		0,3 - 5,0	0,3 - 5,8	0,3 - 6,1	0,3 - 6,5	0,3 - 6,7
Power input (min. - rated - max.)	kW	HP	0,07 - 0,44 - 1,30	0,07 - 0,56 - 1,60	0,07 - 0,84 - 1,60	0,07 - 1,34 - 1,70	0,07 - 1,54 - 1,75
COP	W/W		5,68	5,36	4,76	4,1	3,9
Energy efficiency class		HP	A	A	A	A	A

PKVP — Physical data Indoor unit

Indoor unit			RAS-07PKVP-E	RAS-10PKVP-E	RAS-13PKVP-E	RAS-16PKVP-E	RAS-18PKVP-E
Air Flow (h/l)	m^3/h - l/s	CO	612/288 - 170/80	624/306 - 173/85	696/318 - 193/88	744/372 - 207/103	804/408 - 223/113
Sound pressure level (h/l)	dB(A)	CO	42/26	43/27	45/27	47/30	49/31
Sound power level (h/l)	dB(A)	CO	57/41	58/42	60/42	62/45	64/46
Air Flow (h/l)	m^3/h - l/s	HP	648/348 - 180/97	666/348 - 185/97	696/348 - 193/97	744/384 - 207/107	804/420 - 223/117
Sound pressure level (h/l)	dB(A)	HP	42/26	43/27	45/27	47/30	49/31
Sound power level (h/l)	dB(A)	HP	57/41	58/42	60/42	62/45	64/46
Dimensions (HxWxD)	mm		295x790x242	295x790x242	295x790x242	295x790x242	295x790x242
Weight	kg		12	12	12	12	12

PAVP — Physical data Outdoor unit

Outdoor unit			RAS-07PAVP-E	RAS-10PAVP-E	RAS-13PAVP-E	RAS-16PAVP-E	RAS-18PAVP-E
Air Flow	m^3/h - l/s	CO	1662 - 462	1800 - 500	2232 - 620	2232 - 620	2370 - 658
Sound pressure level	dB(A)	CO	46	48	50	50	52
Sound power level	dB(A)	CO	61	63	65	65	67
Operating range	°C	CO	-10÷46	-10÷46	-10÷46	-10÷46	-10÷46
Air Flow	m^3/h - l/s	HP	1530 - 425	1662 - 462	2088 - 580	2088 - 580	2232 - 620
Sound pressure level	dB(A)	HP	46	48	50	50	52
Sound power level	dB(A)	HP	61	63	65	65	67
Operating range	°C	HP	-15÷24	-15÷24	-15÷24	-15÷24	-15÷24
Dimensions (HxWxD)	mm		550x780x290	550x780x290	550x780x290	550x780x290	550x780x290
Weight	kg		39	39	40	40	40
Compressor type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Flare connections (gas-liquid)			3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
Minimum pipe length	m		2	2	2	2	2
Maximum pipe length	m		20	20	20	20	20
Maximum height difference	m		10	10	10	10	10
Chargeless pipe length	m		15	15	15	15	15
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

CO = cooling mode
HP = heating mode