

2021

SUITE 1x1

RESIDENTIAL PRODUCT RANGE



PRODIGY



PRODIGY is a KAYSUN wall unit that represents a revolution in installation and preventive maintenance. Easy installation, maintenance and fitted with Kaysun avant-garde TECHNOLOGY.



GENERAL CHARACTERISTICS



- SCOP 4.6, over European Directive ErP, for a high energy efficiency.
- Louvers position memory.
- Leakage detection system.
- Drainage pipe connection from left or right option.
- Self-locking option for Heating-Only function.
- Optional MULTIFUNCTION BOARD, we can control the unit with a wall controller or even connect it with a centralized controller, BMS, or external compatible controllers (Airzone...)
- Display and buzzer switch-off to improve ambient comfort.
- Its white translucent smart display provides user with information on the equipment and alarm systems status.
- KID-05.1 S controller included to control unit's work parameters and change its configuration.
- Mono-Multi compatible.
- Optional WIFI control adding FRIWF-USB-02.
- K-Ion Technology: Active bipolar ionization included, we can actively help neutralize particles, bacteria, virus cells, odorous gases, aerosols and volatile organic compounds (VOCs).

OTHER CONTROLLERS

Individuals	WiFi	Multifunction board	Optional WiFi
KC-03.2 SPS	K01-WIFI	KMB-01	FRIWF-USB-02

To use KC-03.2 SPS: Multifunction board is needed



→ Technical Specifications

SET			AKAY-26 DR9	AKAY-35 DR9	AKAY-52 DR9	AKAY-71 DR9
Indoor unit			KAY-26 DR9	KAY-35 DR9	KAY-52 DR9	KAY-71 DR9
Outdoor unit			KAE-26 DR9	KAE-35 DR9	KAE-52 DR9	KAE-71 DR9
Capacity	Cooling rated (min./max.)	kW	2.64 (1.03 / 3.22)	3.52 (1.38 / 4.31)	5.28 (3.4 / 5.91)	7.03 (2.11 / 8.21)
	Heating rated (min./max.)	kW	2.93 (0.82 / 3.37)	3.81 (1.07 / 4.38)	5.57 (3.11 / 5.87)	7.33 (1.55 / 8.21)
	Heating rated at -7°C	kW	TBD	TBD	TBD	TBD
Cooling input rated (min./max.)		W	628 (90 / 1140)	1034 (130 / 1650)	1550 (560 / 2050)	1500 (780 / 2000)
Heating input rated (min./max.)		W	666 (110 / 1080)	1027 (160 / 1560)	2340 (420 / 3200)	2130 (300 / 3100)
Heating input rated at -7°C		W	TBD	TBD	TBD	TBD
Energy efficiency	SEER - Energy class		8.8 - A+++	8.5 - A+++	7.5 - A++	6.5 - A++
	SCOP - Energy class		4.6 - A++	4.6 - A++	4 - A+	4 - A+
Working range	Outdoor ambient temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor ambient temperature for heating min./max.	°C	-15°C / 30°C	-15°C / 30°C	-15°C / 30°C	-15°C / 30°C
	Indoor ambient temperature for cooling min./max.	°C	17°C / 32°C	17°C / 32°C	17°C / 32°C	17°C / 32°C
	Indoor ambient temperature for heating min./max.	°C	0°C / 30°C	0°C / 30°C	0°C / 30°C	0°C / 30°C

INDOOR UNIT			KAY-26 DR9	KAY-35 DR9	KAY-52 DR9	KAY-71 DR9
Indoor unit	Air flow low/medium/high	m³/h	305 / 365 / 480	327 / 414 / 531	540 / 710 / 800	640 / 860 / 980
	Sound pressure low/medium/high	dB(A)	24 / 29 / 36.5	25 / 33 / 39	32 / 39 / 43.5	33 / 42 / 46
	Sound power level	dB(A)	53	53	56.5	62
	Width/height/depth	mm	805 / 302 / 193	805 / 302 / 193	964 / 325 / 222	1106 / 342 / 232
	Net weight	kg	8.7	8.7	11.3	14.2

OUTDOOR UNIT			KAE-26 DR9	KAE-35 DR9	KAE-52 DR9	KAE-71 DR9
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Air flow	m³/h	2150	2200	2100	3500
	Sound pressure	dB(A)	54.5	55	56	60.5
	Sound power level	dB(A)	59	61	64	69
	Width/height/depth	mm	765 / 555 / 303	765 / 555 / 303	805 / 554 / 330	890 / 673 / 342
	Net weight	kg	26.7	26.7	33.5	43.9
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Communication wiring		mm²	(2+T)x1.5	(2+T)x1.5	(2+T)x1.5	(2+T)x2.5
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	0.62	0.62	1.1	1.45
	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
	Piping height difference	m	10	10	20	25
	Piping max. length	m	25	25	30	50

Supplementary charge: Factory pre-charge for 5 m of installation. Additional charge per metre added after 5 m.

NOTE: Before installing these units, please check the standards in force in your country regarding the use of refrigerant gases.