

2019

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 A⁺⁺⁺_{SEER}

- SCOP 4.0, over European Directive ERP, for a high energy efficiency.
- Louvres position memory.
- Leakage detection system.
- Compatible with wired controllers.
- Drainage pipe connection from left or right option.
- Self-locking option for Heating-Only function.
- 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-02 S controller included to control unit's work parameters and change its configuration.
- Mono-Multi compatible.
- Optional WIFI control adding K03 WIFI USB.

CONTROLLERS

INDIVIDUAL



KC-01 S



KC-02.1 H



KCT-02.1 SR

BMS AND SOFTWARE



K01-WIFI

TECHNICAL SPECIFICATIONS

R-32 MODEL

KAY-26 DR8

KAY-35 DR8

KAY-52 DR8

KAY-71 DR8

Indoor unit			KAY-26 DR8	KAY-35 DR8	KAY-52 DR8	KAY-71 DR8
Outdoor unit			KAE-26 DR8	KAE-35 DR8	KAE-52 DR7	KAE-71 DR7
Capacity	Cooling min./ rated. / max.	<i>kW</i>	1,17/2,64/3,43	1,41/3,52/4,57	1,96/5,28/6,21	3,05/7,33/8,44
		<i>kcal/h</i>	1032/2270/2950	1213/3027/3930	1686/4541/5341	2623/6304/7258
	Heating min./ rated. / max.	<i>kW</i>	0,82/2,93/3,87	0,88/4,1/5,13	1,29/5,57/6,98	2,08/7,62/9,44
		<i>kcal/h</i>	705/2520/3328	757/3526/4412	1109/4790/6003	1789/6553/8118
Power consumption	Cooling min./ rated. / max.	<i>W</i>	100/700/1320	110/1250/1740	150/1500/2220	230/2260/3010
	Heating min./ rated. / max.	<i>W</i>	140/780/1380	150/1170/1830	220/1390/2330	330/2110/3150
Energy coefficient	SEER - Energ. Class.		6,8 - A++	6,3 - A++	6,7 - A++	6,4 - A++
	SCOP - Energ. Class. (warm areas)		5,1 - A+++	5,2 - A+++	5,1 - A+++	5,1 - A+++
	SCOP - Energ. Class.		4,0 - A+	4,0 - A+	4,0 - A+	4,0 - A+
Indoor unit	Airflow (Bj/Me/Al)	<i>m³/h</i>	329/433/486	360/490/550	550/720/810	650/970/1050
	Sound pressure (silence)	<i>dB(A)</i>	21	23	24	27
	Width / Height / Depth	<i>mm</i>	717/302/193	805/302/193	964/325/222	1106/342/232
	Net weight	<i>kg</i>	7,5	8,2	10,8	14,3
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Outdoor airflow	<i>m³/h</i>	2000	2000	2100	2700
	Sound pressure	<i>dB(A)</i>	55	55	57	59
	Width / Height / Depth	<i>mm</i>	770/555/300	770/555/300	800/554/333	845/702/363
	Weight	<i>kg</i>	26,4	26,5	37	48
	Refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge / Supplementary charge	<i>g</i>	700/12	800/12	1250/12	1600/24
Liquid / Gas pipe diameter	<i>mm (pulg)</i>	Ø6,35(1/4")/Ø9,52(3/8")	Ø6,35(1/4")/Ø9,52(3/8")	Ø6,35(1/4")/Ø12,7(1/2")	Ø9,52(3/8")/Ø15,9(5/8")	
Total / Vertical piping max. length	<i>m</i>	25/10	25/10	30/20	30/20	
Power supply (outdoor unit)	<i>V/F/Hz</i>	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Power wiring (Outdoor unit)	<i>mm²</i>	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	
Communication wiring (outdoor to indoor unit)		(4+T)x2,5	(4+T)x2,5	(4+T)x2,5	(4+T)x2,5	
Operation range	Working cooling temperature range	<i>°C</i>	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C
	Working heating temperature range	<i>°C</i>	-15°C to 30°C	-15°C to 30°C	-15°C to 30°C	-15°C to 30°C

R-410A MODEL

KAY-26 DN8

KAY-35 DN8

KAY-52 DN8

KAY-71 DN8

Indoor unit			KAY-26 DR8	KAY-35 DR8	KAY-52 DR8	KAY-71 DR8
Outdoor unit			KAE-26 DN7	KAE-35 DN7	KAE-52 DN7	KAE-71 DN7
Capacity	Cooling min./ rated. / max.	<i>kW</i>	1,17/2,64/3,31	1,26/3,52/4,45	1,90/5,28/6,13	2,67/7,03/7,88
		<i>kcal/h</i>	1008/2268/2848	1084/3024/3830	1638/4536/5267	2293/6048/6779
	Heating min./ rated. / max.	<i>kW</i>	0,82/2,93/3,72	1,07/3,81/4,86	1,43/5,57/6,74	2,08/7,62/9,14
		<i>kcal/h</i>	706/2520/3200	917/3276/4183	1227/4788/5796	1789/6552/7862
Power consumption	Cooling min./ rated. / max.	<i>W</i>	100/816/1270	110/1153/1720	150/1643/2350	230/2306/3030
	Heating min./ rated. / max.	<i>W</i>	140/811/1330	170/1056/1740	230/1586/2400	310/2302/3270
Energy coefficient	SEER - Energ. Class.		6,7 - A++	6,7 - A++	6,8 - A++	6,4 - A++
	SCOP - Energ. Class. (warm areas)		5,1 - A+++	5,2 - A+++	5,5 - A+++	5,2 - A+++
	SCOP - Energ. Class.		4,1 - A+	4,2 - A+	4,1 - A+	4,0 - A+
Indoor unit	Airflow (Bj/Me/Al)	<i>m³/h</i>	329/433/486	360/490/550	550/720/810	650/970/1050
	Sound pressure (silence)	<i>dB(A)</i>	21	23	24	27
	Width / Height / Depth	<i>mm</i>	717/302/193	805/302/193	964/325/222	1106/342/232
	Net weight	<i>kg</i>	7,5	8,2	10,8	14,3
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Outdoor airflow	<i>m³/h</i>	1900	2000	2200	2700
	Sound pressure	<i>dB(A)</i>	55	56	56	61
	Width / Height / Depth	<i>mm</i>	770/555/300	800/554/333	800/554/333	845/702/363
	Weight	<i>kg</i>	26,4	29,1	35,1	48,4
	Refrigerant		R-410A	R-410A	R-410A	R-410A
	Refrigerant charge / Supplementary charge	<i>g</i>	800/15	950/15	1350/15	2000/30
Liquid / Gas pipe diameter	<i>mm (pulg)</i>	Ø6,35(1/4")/Ø9,52(3/8")	Ø6,35(1/4")/Ø9,52(3/8")	Ø6,35(1/4")/Ø12,7(1/2")	Ø9,52(3/8")/Ø15,9(5/8")	
Total / Vertical piping max. length	<i>m</i>	25/10	25/10	30/20	30/20	
Power supply (outdoor unit)	<i>V/F/Hz</i>	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Power wiring (Outdoor unit)	<i>mm²</i>	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	
Communication wiring (outdoor to indoor unit)		(4+T)x2,5	(4+T)x2,5	(4+T)x2,5	(4+T)x2,5	
Operation range	Working cooling temperature range	<i>°C</i>	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C
	Working heating temperature range	<i>°C</i>	-15°C to 30°C	-15°C to 30°C	-15°C to 30°C	-15°C to 30°C