



Exceptional comfort, ideal in bedrooms

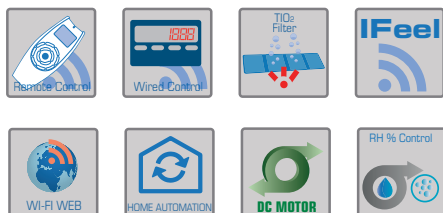
K2

Model:

K2FAFIA

K2FAFIB

A refined console for low wall installation, at just a few centimetres from the floor and with two-way air flow, up and down, for maximum comfort in summer and winter.



Dimensions: HxLxD 600x750x220 mm
Weight: 18 kg

5 in 1
Air Conditioner
Heat pump
Dehumidifier
Purifier
Fan



INFRARED+WIRE
included wired option

Humidity sensor

It consumes as a LED lamp and save over 70% than traditional units

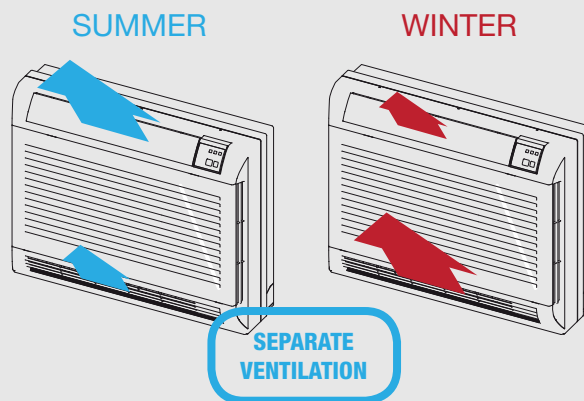


K2

		K2FAFIA	K2FAFIB
Air flow rate I.U. (el.-l.-m.-h.)	m³/h	450-500-590-700	615-665-760-830
Dehumidification	l/h	1,3	2,3
Fan speed	N°	Auto + 3 remote control settings	Auto + 3 remote control settings
Sound pressure I.U. (el.-l.-m.-h.)	dB(A)	22/26/30/37	28/30/37/45
Electrical power supply	V/Ph/Hz	230/1/50	230/1/50
Power input max	kW	0,012	0,019
Type of motor	-	DC Motor Inverter	DC Motor Inverter
Liquid pipe diameter	mm (")	6,35(1/4")	6,35(1/4")
Gas pipe diameter	mm (")	9,52(3/8")	12,7(1/2")
Net weight I.U.	kg	18	18
Net dimensions I.U. (H./W./D.)	mm	600x750x220	600x750x220

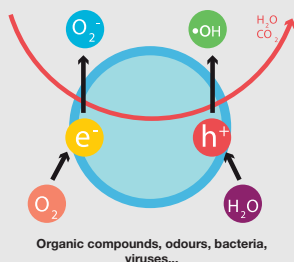


K2 is equipped with two DC motors fans managed by indoor unit control system. They can be activated in a differential mode to provide the best air distribution according to the operating cooling or heating mode.



K2 is made of a prized ABS and is well suited for installation under windows or mid-wall, occupying the smallest space possible. K2 is available in sizes A and B, whilst still maintaining the same structure and dimensions. It filters and purifies the air using a washable mesh filter and a titanium dioxide photocatalytic filter that can be activated via remote control. At 22 dB(A), the unit is extremely quiet thanks to its specially-designed structure and two tangential fans managed by inverter-controlled DC motors.

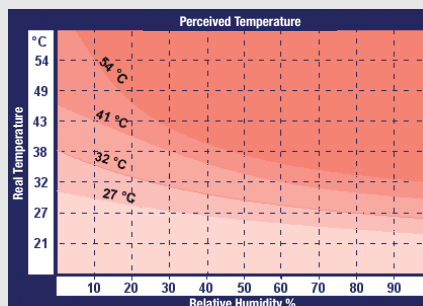
TiO₂ AIR PURIFIER



K2 is equipped with an active photocatalytic filter that is able to significantly reduce the bacterial load in the environment thanks to the titanium dioxide oxidation process activated by completely concealed special UV LEDs that are fully compliant with EU standards. This filter uses the oxidising power of Titanium Dioxide (TiO₂) to destroy bacteria and inhibit viruses. It also effectively reduces dust and dirt particles and helps to prevent unpleasant odours.

Humidex

K2 units are provided with a special humidity sensor. The humidity sensor signal is used by the logic, placing it in relation with the temperature measured by the room air and Humidex sensor, which measures the perception of the human body considering the combined effects of temperature and humidity. This function is available only in "auto heating mode" and "auto cooling mode".



AIR / AIR

ERP Ecodesign - EN14825

COOLING +35°C	Pdesignc	kW	3,6	A++
	SEER		6,2	
HEATING Average -10°C	Pdesignh	kW	3,2	A+
	SCOP		4,4	

ERP Ecodesign - EN14825 - Part Load

	35°C	30°C	25°C	20°C	12°C	7°C	2°C	-7°C	TOL
kW - kW	3,55	2,60	1,72	1,80	1,92	2,00	1,78	2,84	2,17
EER - COP	2,84	4,77	7,90	9,98	7,70	7,70	4,14	2,61	2,17

DHW ERP
See Emix

COOLING

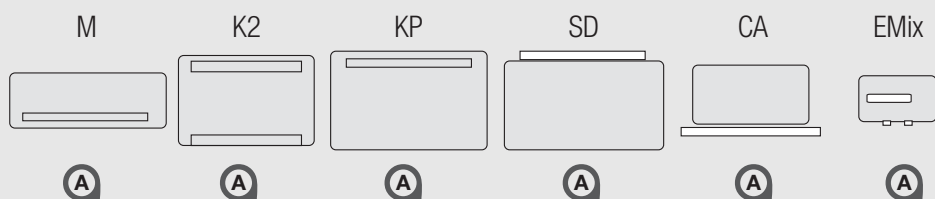
	CAPACITY kW	EER
+35°C UE / 27/19°C UI	Max 3,6	2,84

HEATING

	CAPACITY kW	COP
+12/11°C UE / +20°C UI	Max 4,5	4,1
+7/6°C UE / +20°C UI	Max 3,3	3,51
+2/1°C UE / +20°C UI	Max 2,7	2,40
-7/-8°C UE / +20°C UI	Max 2,8	2,61
-10/-11°C UE / +20°C UI	Max 2,7	2,43

UNI 11300-4 - Full load maximum power

MATCHINGS



Power supply	V/Ph/Hz	230/1/50-60
Power Input (max.)	W/A	1550/ 6,90
R410A standard refrigerant charge	kg	0.81
Compressor Type		Single Rotary
Fan speed		Auto
Sound pressure (max.)	dB(A)	40

Liquid Pipe	mm(inch)	6,35 (1/4")
Gas Pipe	mm(inch)	9,52 (3/8")
Total length of pipes (standard load)	m	7,5
Total length of pipes (additional load)	m	15
Maximum height difference (total)	m	10



eco friendly

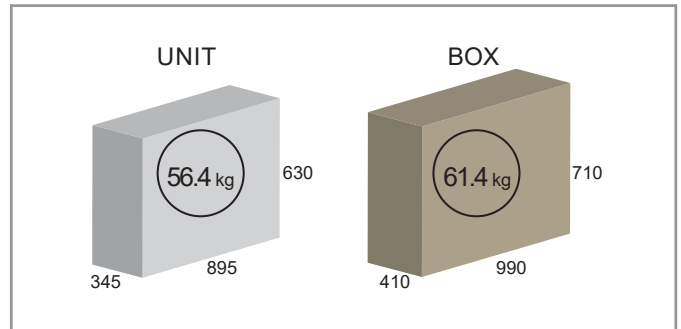
GR9FI 42 EMX

Mono or Dual Split with DHW

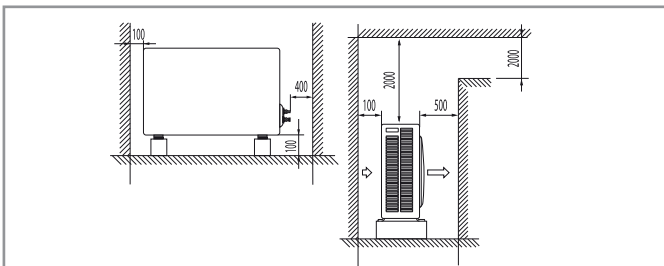
Outdoor unit that can be connected to any size A air/air indoor unit both in mono and dual configuration, or to just one size B air/air indoor unit.

It is also possible to connect an eMix or eMix tank (through the dedicated eMix port) to a size A or B indoor unit at the same time, for the production of hot water for domestic use. This means that with GR9FI42emx mono configurations with size A or B, dual with size A, mono size A or B plus eMix and dual with size A plus eMix are possible for air-conditioning and the simultaneous production of hot domestic water in both cooling and heating mode up to thermo-dynamic 80°C.

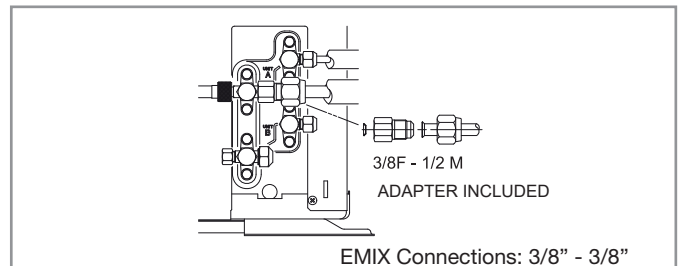
DIMENSIONS (mm)



MINIMUM OPERATION AREA (mm)



GAS CONNECTIONS



EXTENDED RANGE
-32°C | +50°C

UPDATE
FLASH MEMORY

CONNECTION
WEB CONTROL

AIR / AIR

ERP Ecodesign - EN14825

COOLING +35°C	Pdesignc	kW	4,3	A++
	SEER		6,5	
HEATING Average -10°C	Pdesignh	kW	3,4	A+
	SCOP		4,1	

ERP Ecodesign - EN14825 - Part Load

	35°C	30°C	25°C	20°C	12°C	7°C	2°C	-7°C	TOL
kW - kW	4,31	3,18	2,05	1,40	1,16	1,21	1,67	3,03	2,21
EER - COP	2,57	4,73	8,40	11,01	4,54	5,36	3,95	3,36	1,56

DHW ERP

See Emix

COOLING

CAPACITY kW

EER

+35°C UE / 27/19°C UI	Max	4,3	2,76
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HEATING

CAPACITY kW

COP

+12/11°C UE / +20°C UI	Max	5,8	3,92
+7/6°C UE / +20°C UI	Max	5,2	3,62
+2/1°C UE / +20°C UI	Max	2,8	2,44
-7/-8°C UE / +20°C UI	Max	3,0	3,36
-10/-11°C UE / +20°C UI	Max	2,9	2,12

UNI 11300-4 - Full load maximum power

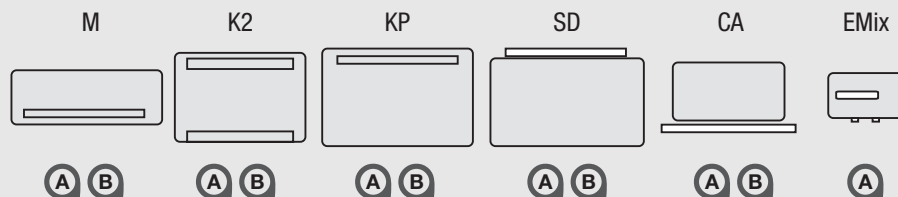
MATCHINGS

A + A

A + B

● A

B



● Ideal matching with Emix/Emix Tank

Power supply	V/Ph/Hz	230/1/50-60
Power Input (max.)	W/A	1790 / 7,80
R410A standard refrigerant charge	kg	1,3
Compressor Type		Twin Rotary
Fan speed		Auto
Sound pressure (max.)	dB(A)	41

Liquid Pipe	mm(inch")	6,35 (1/4")
Gas Pipe	mm(inch")	9,52 (3/8")
Total length of pipes (standard load)	m	Dual 15 / Mono 7,5
Total length of pipes (additional load)	m	Dual 30 / Mono 20
Pipe length per unit (standard load)	m	Dual 12
Pipe length per unit (additional load)	m	Dual 25
Maximum height difference (total)	m	10
Maximum height difference (between indoor units)	m	5



eco
friendly

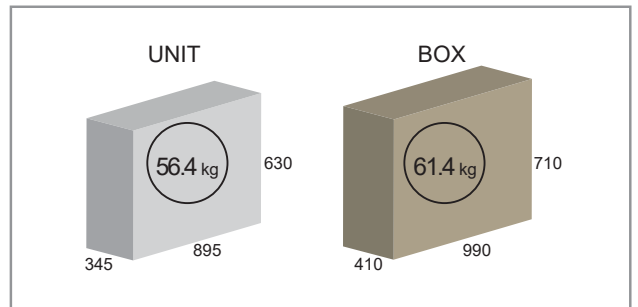
GR9FI 50 EMX

Multi function, ideal for high efficiency buildings

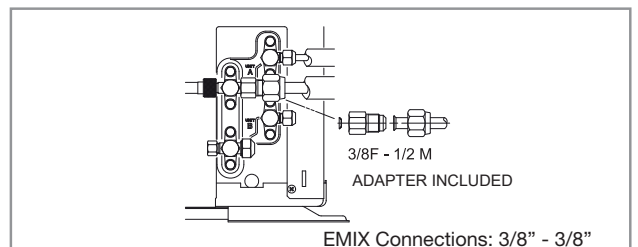
Mono/dual outdoor unit featuring great application flexibility; with GR9FI50emx is possible to connect all the indoor units of the of the air/air iSeries range, and the Hydrokit unit for underfloor heating systems in mono, multi and mixed air/air and air/water configuration. The port dedicated to eMix allows the simultaneous production of domestic hot water up to thermo-dynamic 80°C, with any combination (among those supported) of size A or B indoor units in both cooling and heating mode.

GR9FI50emx offers a range of solutions that go well beyond its mono/dual configuration; just think of a solution with a Hydrokit and a slim ducted SDIA unit, two units which can work at the same time or alternatively, for example to heat with the underfloor heating system and cool and/or de-humidify with the distribution of air through the SDIA unit. Obviously, the eMix or eMix tank module may be added to the two units to produce domestic hot water at the same time during both the heating period and the cooling period.

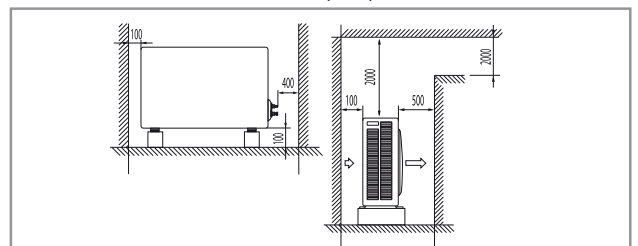
DIMENSIONS (mm)



GAS CONNECTIONS



MINIMUM OPERATION AREA (mm)



EXTENDED RANGE

-32°C | +50°C

UPDATE

FLASH MEMORY

CONNECTION

WEB CONTROL

AIR / AIR

ERP Ecodesign - EN14825

COOLING +35°C	Pdesignc	kW	5,4	A++
	SEER		6,4	
HEATING Average -10°C	Pdesignh	kW	4,3	A+
	SCOP		4,0	

ERP Ecodesign - EN14825 - Part Load

	35°C	30°C	25°C	20°C	12°C	7°C	2°C	-7°C	TOL
kW - kW	5,41	4,04	2,68	1,09	0,80	1,53	2,46	3,93	3,27
EER - COP	3,15	5,23	7,01	9,30	5,91	6,72	3,42	2,91	2,41

COOLING

	CAPACITY kW	EER
+35°C UE / 27/19°C UI	Max 5,9	3,15

HEATING

	CAPACITY kW	COP
+12/11°C UE / +20°C UI	Max 6,7	3,86
+7/6°C UE / +20°C UI	Max 6,0	3,35
+2/1°C UE / +20°C UI	Max 3,7	2,57
-7/-8°C UE / +20°C UI	Max 3,9	2,91
-10/-11°C UE / +20°C UI	Max 3,7	2,68

UNI 11300-4 - Full load maximum power

AIR / WATER

GR9FI50EMX+HKBE

EN14511

COOLING +35°C

		Max	Nom
Capacity @ 18/23°C	kW	4,5	3,3
EER @ 18/23°C		3,57	3,61
Capacity @ 7/12°C	kW	3,2	2,5
EER @ 7/12°C		1,97	1,99

ERP Ecodesign - EN14825

LOW - 35°C Average -10°C	Pdesignh	kW	5	A++
	η	%	162	
MEDIUM - 55°C Average -10°C	Pdesignh	kW	n.a.	-
	η	%	n.a.	

ERP Ecodesign - EN14825 - Part Load 35°C

	12°C	7°C	2°C	-7°C	TOL
kW	1,35	1,53	2,36	3,96	2,66
COP	7,44	5,06	4,01	2,79	1,92

DHW/Combi ERP
See Emix

UNI 11300-4 (35°C) - Full load maximum power

	12°C	7°C	2°C	-7°C
kW	5,88	5,30	3,26	3,96
COP	4,75	4,22	3,15	2,79

EN14511

	7°C	-7°C
kW	5,10	3,80
COP	4,40	2,79

MATCHINGS

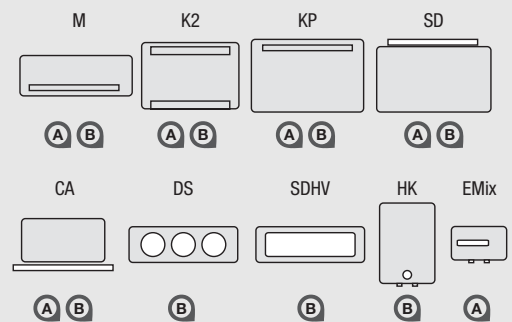
A + A

A + B

● **A**

● **B**

● Ideal matching with Emix/Emix Tank



Power supply	V/Ph/Hz	230/1/50-60
Power Input (max.)	W/A	1790 / 7,80
R410A standard refrigerant charge	kg	1,3
Compressor Type		Twin Rotary
Fan speed		Auto
Sound pressure (max.)	dB(A)	41

Liquid Pipe	mm(inch)	6,35 (1/4")
Gas Pipe	mm(inch)	9,52 (3/8")
Total length of pipes (standard load)	m	Dual 15 / Mono 7,5
Total length of pipes (additional load)	m	Dual 30 / Mono 20
Pipe length per unit (standard load)	m	Dual 12
Pipe length per unit (additional load)	m	Dual 25
Maximum height difference (total)	m	10
Maximum height difference (between indoor units)	m	5