

Daikin air conditioners
for your home

FLEXI TYPE UNIT

R-410A



www.daikineurope.com

FLKS/FLXS-B



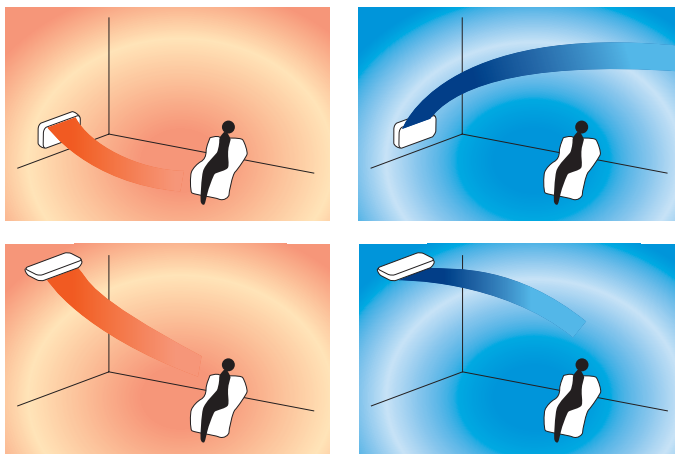


This Flexi type unit allows both ceiling suspended and floor level installation. The rounded design of this slim and lightweight unit makes the perfect choice for rooms without a false ceiling. Ceiling suspended installation frees up wall and floor space, while floor level installation is possible without loss of warm air.



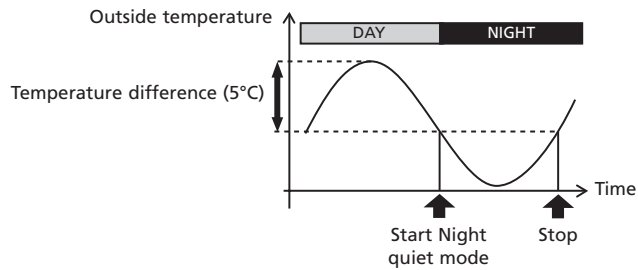
COMFORT

- **Vertical auto swing and wide angle louvers** ensure that comfortable air flow is spread throughout a large room. A result of these functions, the whole room can be evenly air conditioned for both floor level and ceiling suspended installation. The wide angle louvers can be manually adjusted.



- You have the choice of **5 fan speeds** to select: from high to super low.
- Daikin's special **dry programme** reduces humidity in the room without variations in room temperature.
- The **powerful operation** function boosts the air flow to a maximum volume for a 20-minute period, (e.g. when you come home on a hot day, rapid cooling is required). After this, the unit returns automatically to its previous settings.

- The **night set mode** is automatically selected by pushing the 'off' timer button. This function prevents any sudden change in room temperature by gently raising/lowering the temperature before the air conditioner stops, so you can sleep more comfortably.
- The indoor unit is **very quiet in operation**. The sound levels are as low as 28dB(A), comparable to rustling leaves.
- The **outdoor unit silent operation** function increases comfort by automatically lowering the operating sound of the outdoor unit by 3dB(A).
- The **night quiet mode** reduces the operation sound of the outdoor unit by another 3 dB(A) at night (in combination with Multi models only).



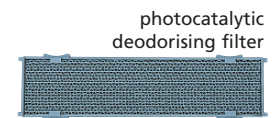
FILTER

- This floor standing unit is equipped with a **separate air purification filter and a photocatalytic deodorising filter**.

The air purification filter traps mildew, mites, tobacco smoke, dust and pollen as fine as 0.01 micron metres.



The photocatalytic deodorising filter decomposes odours and even deactivates bacteria and viruses. This capability is maintained simply by exposing the filter to sunlight once every 6 months. This filter does not need any replacement.

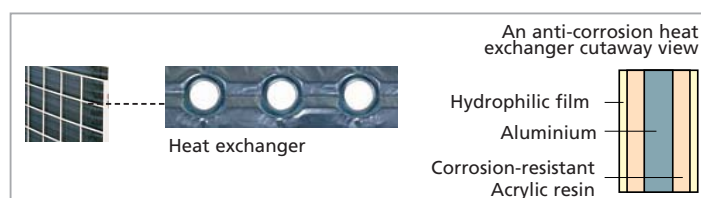


FLEXIBLE INSTALLATION AND EASY TO USE AND MAINTAIN

- The outdoor unit can be installed on a roof or terrace or placed against an outside wall.
- Daikin remote controls give you **easy control at your fingertips**.
- Malfunction codes are shown on the digital display panel of the infrared remote control for **fast and easy maintenance**.
- Special **anti-corrosion treatment** of the outdoor unit's heat exchanger fin, gives **great resistance against acid rain and salt corrosion**. Additional resistance is provided by a rust proof steel sheet on the underside of the unit.

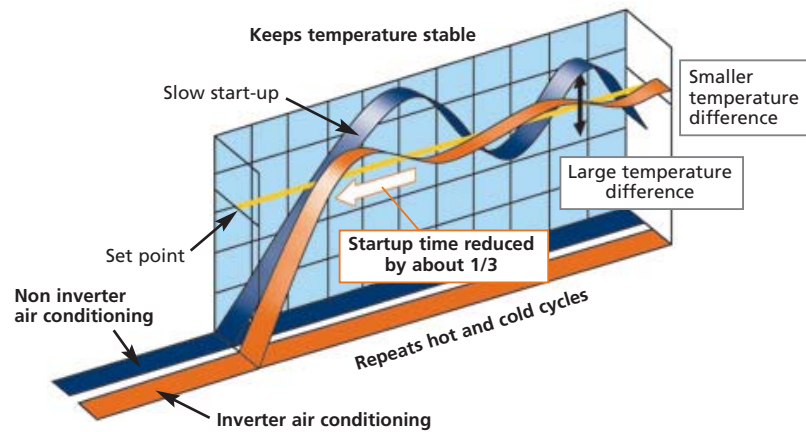


Infrared remote control (Standard)

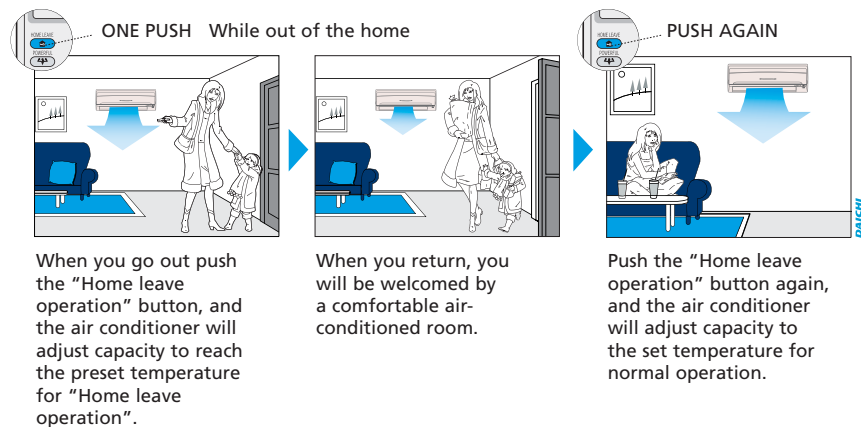


ENERGY EFFICIENT

- Energy label: up to class A
- **Inverter technology :**
Improved energy efficiency:
The use of integrated inverter control ensures maximum **energy efficiency** by supplying only the required heating or cooling load where a standard non inverter unit would supply maximum load in an on/off regime.



- **Improved comfort:**
The rapid start up time provided by the inverter increases the **comfort** by reducing the lead time in obtaining the required indoor temperature. Once the required temperature is reached, the inverter unit continuously scans the room for small changes and adjusts the room temperature in seconds. There by increasing comfort once again.
- The **home leave operation** button prevents large temperature differences by continuously operating at a minimum (heating mode) or maximum (cooling mode) preset level while you're out or sleeping. It also allows the indoor temperature to return quickly to your favourite comfort level.



APPLICATION OPTIONS

- This model can be used for cooling only or heating.
- It is possible to use the indoor unit in pair (connecting one indoor to one outdoor) and multi applications (connecting up to 9 units in several rooms to 1 outdoor unit).

Capacity and power input

COOLING ONLY - INVERTER/NON INVERTER CONTROLLED (air cooled)				FLKS25B RKS25D	FLKS35B RKS35D	FLKS50B RKS50E	FLKS60B 4MKS75E/5MKS90E	FLKS50B RNS50E
Cooling capacity	min~nom~max		kW	1.3~2.5~3.0	1.4~3.5~3.8	0.90~4.90~5.30	For more detailed information about capacities, power input, EER, Energy label and annual energy consumption, please refer to our Multi Model catalogue/combination tables or check with your local dealer.	4.90 (nom)
Nominal input	min~nom~max		kW	0.30~0.78~0.96	0.30~1.16~1.27	0.45~1.72~1.95		1.72 (nom)
EER				3.21	3.02	2.85		2.85
Energy label				A	B	C		C
Annual energy consumption	cooling		kWh	390	580	860		860
HEAT PUMP - INVERTER CONTROLLED (air cooled)				FLXS25B RXS25D	FLXS35B RXS35D	FLXS50B RXS50E	FLXS60B 4MXS68,80E/5MXS90E	
Cooling capacity	min~nom~max		kW	1.3~2.5~3.0	1.4~3.5~3.8	0.90~4.90~5.30	For more detailed information about capacities, power input, EER/COP, Energy label and annual energy consumption, please refer to our Multi Model catalogue/combination tables or check with your local dealer.	
Heating capacity	min~nom~max		kW	1.3~3.4~4.5	1.4~4.0~5.0	0.90~6.10~7.50		
Nominal input	cooling	min~nom~max	kW	0.30~0.78~0.96	0.30~1.16~1.27	0.45~1.72~1.95		
	heating	min~nom~max	kW	0.29~0.995~1.50	0.31~1.245~1.86	0.31~1.82~3.54		
EER				3.21	3.02	2.85		
COP				3.42	3.21	3.35		
Energy label	cooling			A	B	C		
	heating			B	C	C		
Annual energy consumption	cooling		kWh	390	580	860		

1) Energy label: scale from A (most efficient) to G (less efficient).

2) Annual energy consumption: based on average use of 500 running hours per year at full load (=nominal conditions)



POSSIBLE COMBINATIONS		2MKS40D (1)	3MKS50E (1)	4MKS58E(2)	4MKS75E(2)	5MKS90E(2)	2MXS40D*(1)	2MXS52E*(2)	3MXS52E*(2)	4MXS68E*(2)	4MXS80E*(2)	5MXS90E*(2)	RMXS112E*	RMXS140E*	RMXS160E*
Max. n° of indoor units		2	3	4	4	5	2	2	3	4	4	5	7	8	9
Cooling only	FLKS25B	•	•	•	•	•									
	FLKS35B	•	•	•	•	•									
	FLKS50B			•	•	•									
	FLKS60B				•	•									
Heat pump	FLXS25B						•	•	•	•	•	•	•	•	•
	FLXS35B						•	•	•	•	•	•	•	•	•
	FLXS50B							•	•	•	•	•	•	•	•
	FLXS60B								•	•	•	•	•	•	•
Max. cooling capacity	kW	4.20	7.07	7.30	9.28	10.50	4.20	6.92	7.30	8.68	9.60	10.50	11.2	14.0	15.5
Max. heating capacity	kW	N/A	N/A	N/A	N/A	N/A	4.70	7.98	8.30	10.64	11.00	11.50	12.5	16.0	17.5
Max. PI cooling	kW	1.52	2.16	2.24	3.54	3.98	1.52	2.25	2.25	3.69	3.56	4.01	3.50	5.09	5.40
Max PI heating	kW	N/A	N/A	N/A	N/A	N/A	1.87	2.51	2.51	3.41	3.11	3.46	3.93	5.21	5.43

Notes:

- For more detailed information, please consult our multi model/combination tables catalogue or your local dealer.
- (1) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted D (25,35 class) series
(2) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted D (25,35 class) /E (50, 60 class) series
- N/A means not applicable since this unit is a cooling only unit
- *At least two indoor units should be connected to these multi outdoor units

Specifications indoor units

COOLING ONLY				FLKS25B	FLKS35B	FLKS50B	FLKS60B
Dimensions	HxWxD		mm	490x1,050x200			
Weight			kg	16	16	17	17
Front panel colour				almond white			
Air flow rate	H/L/SL		m³/min	7.6/6.0/5.2	8.6/6.6/5.6	11.4/8.5/7.5	12.0/9.3/8.3
Fan speed			steps	5 steps, silent and auto			
Sound pressure level	H/L/SL		dB(A)	37/31/28	38/32/29	47/39/36	48/41/39
Sound power level	H		dB(A)	53	54	63	64
Piping connections	liquid		mm	ø6.4			
	gas		mm	ø9.5		ø12.7	
	drain		mm	ø18.0			
Heat insulation				both liquid and gas pipes			
HEAT PUMP				FLXS25B	FLXS35B	FLXS50B	FLXS60B
Dimensions	HxWxD		mm	490x1,050x200			
Weight			kg	16	16	17	17
Front panel colour				almond white			
Air flow rate	cooling	H/L/SL	m³/min	7.6/6.0/5.2	8.6/6.6/5.6	11.4/8.5/7.5	12.0/9.3/8.3
	heating	H/L/SL	m³/min	9.2/7.4/6.6	9.8/8.0/7.2	12.1/7.5/6.8	12.8/8.4/7.5
Fan speed			steps	5 steps, silent and auto			
Sound pressure level	cooling	H/L/SL	dB(A)	37/31/28	38/32/29	47/39/36	48/41/39
	heating	H/L/SL	dB(A)	37/31/29	39/33/30	46/35/33	47/37/34
Sound power level	cooling	H	dB(A)	53	54	63	64
Piping connections	liquid		mm	ø6.4			
	gas		mm	ø9.5		ø12.7	
	drain		mm	ø18.0			
Heat insulation				both liquid and gas pipes			

Indoor units: FLKS/FLXS-B



FLK/XS25,35,50,60B



FLK/XS25,35,50,60B

Specifications outdoor units

COOLING ONLY - INVERTER/NON INVERTER CONTROLLED				RKS25D	RKS35D	RKS50E	RN50E
Dimensions	HxWxD		mm	550x765x285		735x825x300	735x825x300
Weight			kg	30	32	47	47
Casing colour				Ivory white		Ivory white	Ivory white
Sound pressure level	H/L		dB(A)	46/43	47/44	47/44	47/*
Sound power level	H		dB(A)	61	62	61	61
Compressor				hermetically sealed swing type		hermetically sealed swing type	hermetically sealed swing type
Refrigerant type				R-410A		R-410A	R-410A
Refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		0.02 (for piping length exceeding 10m)	0.02 (for piping length exceeding 10m)
Maximum piping length			m	20		30	30
Maximum level difference			m	15		20	20
Operation range	from ~ to		°CDB	-10~46		-10(-15**)~46	+10~46
HEAT PUMP - INVERTER CONTROLLED				RXS25D	RXS35D	RXS50E	
Dimensions	HxWxD		mm	550x765x285		735x825x300	
Weight			kg	30	32	47	
Casing colour				Ivory white		Ivory white	
Sound pressure level	cooling	H/L	dB(A)	46/43	47/44	47/44	
	heating	H/L	dB(A)	47/44	48/45	48/45	
Sound power level	cooling	H	dB(A)	61	62	61	
Compressor				hermetically sealed swing type		herm. seal. swing type	
Refrigerant type				R-410A		R-410A	
Refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		0.02 (for piping length exceeding 10m)	
Maximum piping length			m	20		30	
Maximum level difference			m	15		20	
Operation range	cooling	from ~ to	°CDB	-10~46		-10~46	
	heating	from ~ to	°CWB	-15~20		-15~20	

* This information was not available at the time of publication.

** Possibility to extend the operation range down to -15°C by turning ON the switch on the outdoor unit PCB. In this case, the unit will stop operation at -20°C or lower and will recover when temperature rises again.



Accessories: control systems

INDOOR UNITS		FLK/XS25B	FLK/XS35B	FLK/XS50B	FLK/XS60B
Wiring adapter for time clock/ remote control (1)	normal open contact			KRP413A1S	
	normal open pulse contact			KRP413A1S	
Centralised control board	up to 5 rooms (2)			KRC72	
Central remote control				DCS302C51	
Unified ON/OFF control				DCS301B51	
Schedule timer				DST301B51	
Interface adapter (3)				KRP928A2S	

(1) Wiring adapter is supplied by Daikin. Timer and other devices: field supply.

(2) Wiring adapter is also required for each indoor unit.

(3) For DIII-NET adapter

Accessories

INDOOR UNITS		FLK/XS25B	FLK/XS35B	FLK/XS50B	FLK/XS60B
Photocatalytic deodorising filter, with frame				KAZ917B41	
Photocatalytic deodorising filter, without frame				KAZ917B42	
Air purification filter, with frame				KAF925B41	
Air purification filter, without frame				KAF925B42	
Anti-theft protection for remote control				KKF917AA4	

Accessories

OUTDOOR UNITS		RK/XS25D	RK/XS35D	RK/XS50E/RN50E
Air direction adjustment grille		KPW937A4		KPW945A4

Note: 1) VM = 1~, 220-240/220-230V, 50/60Hz / V1 = 1~, 220-240V, 50Hz

2) Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB • refrigerant piping length 7.5m • level difference 0m.

3) Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 7.5m • level difference 0m.

4) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

5) Units should be selected on nominal capacity. Max. capacity is limited to peak periods.

6) The sound pressure level is measured via a microphone at a certain distance from the unit (for measuring conditions: please refer to the technical databooks).

7) The sound power is an absolute value indicating the "power" which a sound source generates.

In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of environmental friendly products. This challenge demands the eco design and development of a wide range of products and an energy management system; which involves energy conservation and reduction of waste.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard.

ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



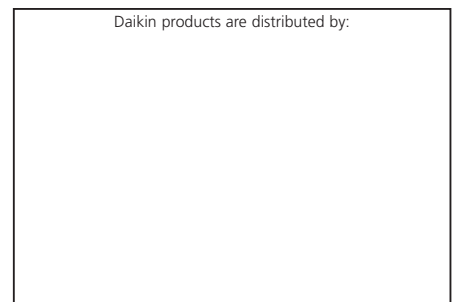
Daikin units comply with the European regulations that guarantee the safety of the product.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

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