



Air Conditioners

Heating & Cooling

Wall Mounted Unit

- » **Energy label:**
up to class A
- » **Heat pump system**
- » **Inverter technology**
- » **Movement sensor**
- » **As silent**
as rustling leaves



www.daikin.eu



FTX-JV / FTX-GV





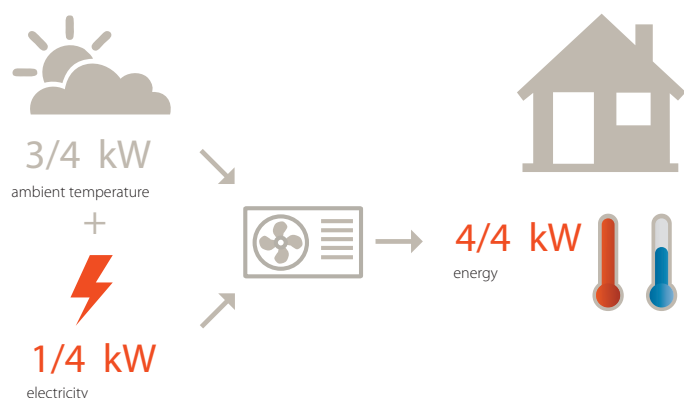
Integrates perfectly in your home

Daikin's wall mounted units are an ideal solution when refurbishing your room. They have a modern design and look, are extremely quiet in operation, are energy efficient and they create a very comfortable living room, kitchen or bedroom climate, day or night, the whole year round.

Furthermore, the high-quality air conditioning equipment of Daikin not only offers the possibility of cooling, it can also provide warmth. That way you can adjust the indoor temperature perfectly to your own personal needs, the whole year through.

The indoor unit can be used in pair application, with one indoor unit connected to one outdoor unit.

Combining highest efficiency and year-round comfort with a heat pump system



Did you know that ...

Air to air heat pumps use 3/4th of energy from renewable sources: the ambient air. This energy source is renewable and inexhaustible*. Of course, heat pumps also use 1/4th of electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass). A heat pump's efficiency is measured in COP (Coefficient Of Performance) for heating and EER (Energy Efficiency Ratio) for cooling. FTX20JV units achieve a COP of up to 4.24!

* EU objective COM (2008)/30

Inverter technology

The inverter technology, developed by Daikin is a true innovation in the area of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement. No more, no less. This technology provides you with two concrete benefits:

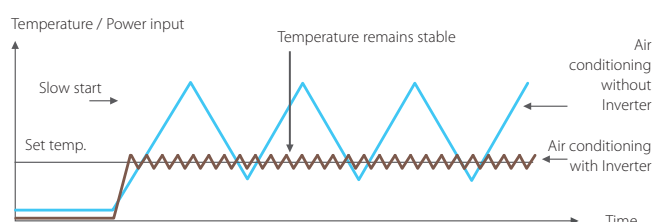
► Comfort

The inverter repays its investment many times over by improving comfort. An air conditioning system with an inverter continuously adjusts its cooling and heating output to suit the temperature in the room. The inverter shortens system start-up time enabling the required room temperature to be reached more quickly. As soon as that temperature is reached, the inverter ensures that it is constantly maintained.

► Energy efficient

Because an inverter monitors and adjusts ambient temperature whenever needed, energy consumption drops by 30% compared to a traditional on/off system! (non inverter)

Heating operation:



► Combining a comfortable feeling and energy saving solutions



When selecting the energy saving function **ECONO mode** the power consumption decreases so that other appliances that need large power consumption can be used. (for classes 20,25,35).



Energy saving during standby operation: if the room is empty for 20 minutes, the system will automatically decrease the set temperature by ± 2 degrees to reduce energy consumption in empty rooms (for classes 20,25,35).



If no people are detected in the room, the unit switches to its **energy-efficient** setting (for classes 50, 60, 71).



Saving energy by preventing overheating or overcooling during night time by using the **night set mode**.



The **comfort mode** guarantees draught-free operation. In heating mode, the warm air is directed to the floor. In cooling mode, the cold air is directed to the ceiling (for classes 20,25,35).



Vertical auto swing: this unit supports the selection of vertical auto swing, which ensures the even distribution of air and a homogeneous room temperature.

Infrared remote control (Standard)
ARC433B70



► Built-in intelligence



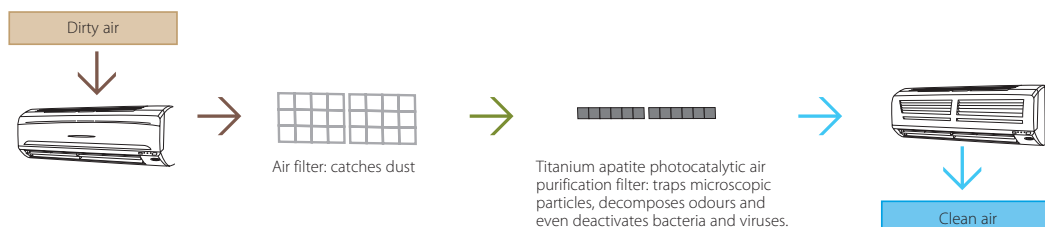
Rapidly heat up or cool down the room in 20 minutes with **powerful operation**. After this period, the unit returns to its original setting.



Whisper quiet operation: the sound of the indoor units is so low it can be compared to rustling leaves. It's possible to lower the sound of the wall mounted unit by an additional 3dBA, by engaging indoor silent operation on the remote control (down to 22dBA for FTX20,25JV!).

► A source of pure air

Dust and odours are trapped by the titanium apatite photocatalytic **air purification filter**, to provide you cleaner air.



Heating & Cooling

INDOOR UNITS				FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV
Capacity	cooling	min~nom~max	kW	1.3 / 2.0 / 2.6	1.3 / 2.5 / 3.0	1.3 / 3.3 / 3.8	1.7 / 5.0 / 6.0	1.7 / 6.0 / 6.7	2.3 / 7.1 / 8.5
	heating	min~nom~max	kW	1.3 / 2.5 / 3.5	1.3 / 2.8 / 4.0	1.3 / 3.5 / 4.8	1.7 / 5.8 / 7.7	1.7 / 7.0 / 8.0	2.3 / 8.2 / 10.2
Power input	cooling	min~nom~max	kW	0.31 / 0.55 / 0.72	0.31 / 0.73 / 1.05	0.29 / 0.98 / 1.30	0.44/1.55/2.08	0.44/1.99/2.40	0.57/2.35/3.20
	heating	min~nom~max	kW	0.25 / 0.59 / 0.95	0.25 / 0.69 / 1.11	0.29 / 0.93 / 1.29	0.40/1.60/2.53	0.40/2.04/2.81	0.52/2.55/3.82
EER	cooling			3.64	3.42	3.37	3.23	3.02	3.02
COP	heating			4.24	4.06	3.76	3.63	3.43	3.22
Energy label	cooling			A			B		
	heating			A			B		C
Annual energy consumption	cooling		kWh	275	365	490	775	995	1,175
Dimensions	height x width x depth		mm	283x770x198			290x1,050x238		
Weight			kg	7			12		
Front panel colour				White					
Air flow rate	cooling	H/M/L/SL	m³/min	9.1 / 7.4 / 5.9 / 4.7	9.2 / 7.6 / 6.0 / 4.8	9.3 / 7.7 / 6.1 / 4.9	14.7/12.4/10.3/9.5	16.2/13.6/11.4/10.2	17.4/14.6/11.6/10.6
	heating	H/M/L/SL	m³/min	9.4 / 7.8 / 6.3 / 5.5	9.7 / 8.0 / 6.3 / 5.5	10.1 / 8.4 / 6.7 / 5.7	16.1/13.9/11.5/10.2	17.4/15.1/12.7/11.4	19.7/16.9/14.3/12.7
Sound pressure level	cooling	H/M/L/SL	dBA	39 / 33 / 25 / 22	40 / 33 / 26 / 22	41 / 34 / 27 / 23	43 / 39 / 34 / 31	45 / 41 / 36 / 33	46 / 42 / 37 / 34
	heating	H/M/L/SL	dBA	39 / 34 / 28 / 25	40 / 34 / 28 / 25	41 / 35 / 29 / 26	42 / 38 / 33 / 30	44 / 40 / 35 / 32	46 / 42 / 37 / 34
Sound power level	cooling		dBA	55	56	57	59	61	62
	heating		dBA	55	56	57	58	60	62
Power supply				1~/220-240V/50Hz					
Remote control	infrared			ARC433A87			ARC433B70		

OUTDOOR UNITS				RX20JV	RX25JV	RX35JV	RX50GV	RX60GV	RX71GV
Dimensions	height x width x depth		mm	550x658x275			735x825x300		770x900x320
Weight			kg	28		30	48		71
Compressor			type	Hermetically sealed swing					
Sound power	cooling		dBA	60		62	61	63	66
	heating		dBA	61		62	61	63	66
Refrigerant			type	R-410A					
Additional refrigerant charge			kg/m	0.02 (for piping lenght exceeding 10m)					
Operation range	cooling	min~max	°CDB	-10~46					
	heating	min~max	°CWB	-15~20					
Piping connections	liquid		mm	ø 6.35					
	gas		mm	ø 9.52			ø 12.7		ø 15.9
	drain		ID mm	ø 18.0					
Sound pressure	cooling	H/L	dBA	46/-	46/-	48/-	47/44	49/46	52/49
	heating	H/L	dBA	47/-	47/-	48/-	48/45	49/46	52/49
Maximum piping length			m	15			30		
Maximum level difference			m	12			20		
Power supply				1~/220-240V/50Hz					

Notes: 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). 3) V1 = 1~230V/50Hz - 4) Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB/24°CWB • refrigerant piping length 5m - 5) Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 5m • level difference 0m. - 6) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat - 7) Units should be selected on nominal capacity. Max. capacity is limited to peak periods - 8) 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) - 9) The sound power is an absolute value indicating the "power" which a sound source generates.



Indoor unit
FTX20,25,35JV



Infrared remote control
ARC433B70



Outdoor unit
RX71GV



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 products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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