DAIKIN

ΤΡΙΚ-ΤΡΑΚ ΧΑΤΖΗΑΓΓΕΛΙΔΗΣ

Air conditioners

Heating & Cooling

Wall mounted unit

www.daikin.eu

- » **Energy saving stand by operation**
- » **Draught-free**
- » **As silent as rustling leaves**
- » **Special air filter improves indoor air quality**

INVERTER

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

Inverter technology

Daikin's inverter technology is a true innovation in the field 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 thus improving comfort levels. The inverter reduces system start-up time enabling the required room temperature to be reached more quickly. As soon as the correct temperature is reached, the inverter ensures that it is constantly maintained.

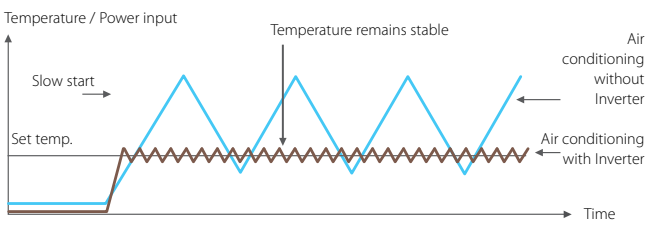
Energy efficient

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

Did you know that ...

Air-to-air heat pumps obtain 75% of their output energy from a renewable source: the ambient air, which is both renewable and inexhaustible. Of course, heat pumps also require 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 SCOP (Seasonal Coefficient Of Performance) for heating and SEER (Seasonal Energy Efficiency Ratio) for cooling.

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: current consumption is reduced by about 80% when operating on standby. (for classes 20,25,35).

Night set mode: ensuring a good night sleep and saving energy, by preventing overheating or overcooling during night time.

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

A source of pure air

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

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!).

Europe's new energy label:
raising the bar on energy efficiency

SEASONAL EFFICIENCY
Smart use of energy

To realise its challenging 20-20-20 environmental goals, Europe is imposing minimum efficiency requirements for energy related projects. These minimum requirements come into effect on 1 January 2013, and will be revised upward in subsequent years.

Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. The new seasonal performance rating provides a much more accurate picture of actual expected energy efficiency over an entire heating or cooling season.

Completing the picture is a new energy label for EU. The present label, introduced in 1992 and modified in the meantime, allows consumers to compare and make purchasing decisions based on uniform labelling criteria. The new label includes multiple classifications from A+++ to G reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the new label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels. It will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner or heat pump efficiency over an entire season.

Heating & Cooling

INDOOR UNIT					FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV
Cooling capacity	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 capacity	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
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+				A	B
		Pdesign		kW	2.00	2.50	3.30	5.00	6.00	7.10
		SEER			5.63		5.66	5.63	5.10	4.93
		Annual energy consumption		kWh	124	155	204	311	412	504
	Heating (Average climate)	Energy label			A++	A+			A	
		Pdesign		kW	2.20	2.40	2.80	4.60	4.80	6.50
		SCOP			4.67	4.50	4.14	4.08	3.74	3.45
		Annual energy consumption		kWh	659	746	945	1,577	1,795	2,634
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.64	3.42	3.37	3.23	3.02	
	COP				4.24	4.06	3.76	3.63	3.43	3.22
	Annual energy consumption			kWh	275	365	490	775	995	1,175
	Energy label	Cooling/Heating			A/A				B/B	B/C
Casing	Colour				White					
Dimensions	Unit	HeightxWidthxDepth		mm	283x770x198			290x1,050x238		
Weight	Unit			kg	7			12		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/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	High/Nom./Low/Silent operation		m^3/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 power level	Cooling	High		dBA	55	56	57	59	61	62
	Heating	High		dBA	55	56	57	58	60	62
Sound pressure level	Cooling	High/Nom./Low/Silent operation		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	High/Nom./Low/Silent operation		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
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52			12.7		15.9
	Drain	OD		mm	18					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240					

OUTDOOR UNIT					RX20JV	RX25JV	RX35JV	RX50GV	RX60GV	RX71GV
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x275	550x658x275	550x658x275	735x825x300	735x825x300	770x900x320
Weight	Unit			kg	28	28	30	48	48	71
Fan - Air flow rate	Cooling	High/Low		m^3/min	29.2/-	29.2/-	27.60/-	48.9/41.7	50.9/42.4	54.5/46.0
	Heating	High/Low		m^3/min	26.2/-	26.2/-	24.5/-	45.0/41.7	46.3/42.4	46.0/46.0
Sound power level	Cooling	Nom.		dBA	60	60	62	63	63	65
Sound pressure level	Cooling	High/Low		dBA	46/-	46/-	48/-	47/44	49/46	52/49
	Heating	High/Low		dBA	47/-	47/-	48/-	48/45	49/46	52/49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46	10~46	10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20	-15~18	-15~18	-15~18
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	15	15	15	30	30	30
	Level difference	IU - OU	Max.	m	12	12	12	20	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	16	20	20	20

(1) EER/COP according to Eurovent 2012

Indoor unit
FTX20,25,35JV

Infrared remote control
ARC433B70

Outdoor unit
RX71GV

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 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.

Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

FSC

ECPEN13-007

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