



Air conditioners

# Heating & Cooling

Multi model application

- » **Up to five indoor units on one outdoor unit**
- » **Individual control per room**
- » **Combination of different indoor models**
- » **Inverter controlled**



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AMX-G



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



### Did you know that ...

Air conditioners, also known as heat pumps, obtain 75% of their output energy from renewable sources: 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 COP (Coefficient Of Performance) for heating and EER (Energy Efficiency Ratio) for cooling.

\* EU objective COM (2008)/30

## 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:

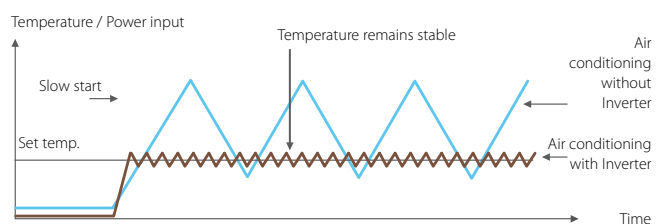
### ► Comfort

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).

### Heating operation:





Multi inverter controlled outdoor units can operate up to two indoor units

## The Benefits of a Multi system

### › **Air conditioning in every room**

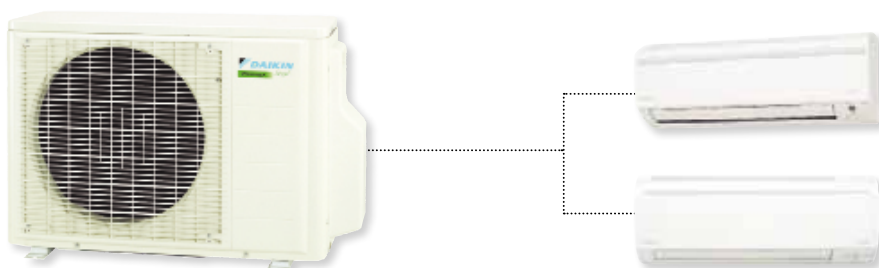
A Multi system allows up to five indoor units to operate from a single outdoor unit, thereby reducing installation space and costs. All indoor units can be individually controlled and do not need to be installed in the same room or at the same time.

### › **The widest choice**

Wall mounted indoor units in different capacities can be mixed together in multi system applications. Thus the ideal indoor unit can be selected for your bedroom, living room, office or wherever, according to the installation surface or personal requirements.

### › **An ideal indoor climate**

A single outdoor unit can heat up or cool down a complete house, office or small shop at different times. A pleasant climate can be enjoyed whilst working at the desk in the afternoon, as well as a constant temperature in the living room and cool bedrooms in the evening.



# Heating & Cooling

| CONNECTABLE INDOOR UNITS |                                    |                                |                     | ATX20JV                | ATX25JV         | ATX35JV          |
|--------------------------|------------------------------------|--------------------------------|---------------------|------------------------|-----------------|------------------|
| Casing                   | colour                             |                                |                     | White                  |                 |                  |
| Dimensions               | unit                               | heightxwidthxdepth             | mm                  | 283x770x198            |                 |                  |
| Weight                   | unit                               |                                |                     | kg                     |                 |                  |
| Fan - Air flow rate      | cooling                            | high/nom./low/silent operation | m <sup>3</sup> /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  |
|                          | heating                            | high/nom./low/silent operation | m <sup>3</sup> /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 |
| Sound power level        | cooling                            | nom.                           | dB(A)               | 55                     | 56              | 57               |
|                          | heating                            | nom.                           | dB(A)               | 55                     | 56              | 57               |
| Sound pressure level     | cooling                            | high/nom./low/silent operation | dB(A)               | 39/33/25/22            | 40/33/26/22     | 41/34/27/23      |
|                          | heating                            | high/nom./low/silent operation | dB(A)               | 39/34/28/25            | 40/34/28/25     | 41/35/29/26      |
| Power supply             | name / phase / frequency / voltage |                                |                     | Hz / V                 |                 |                  |
|                          |                                    |                                |                     | V1 / 1~ / 50 / 220-240 |                 |                  |

| CONNECTABLE INDOOR UNITS |                                    |                                |                     | ATXS20G                    | ATXS25G         | ATXS35G          | ATXS50G          |
|--------------------------|------------------------------------|--------------------------------|---------------------|----------------------------|-----------------|------------------|------------------|
| Casing                   | colour                             |                                |                     | White                      |                 |                  |                  |
| Dimensions               | unit                               | heightxwidthxdepth             | mm                  | 295x800x215                |                 |                  |                  |
| Weight                   | unit                               |                                |                     | kg                         |                 | kg               |                  |
| Fan - Air flow rate      | cooling                            | high/nom./low/silent operation | m <sup>3</sup> /min | 9.4/7.4/5.5/4.0            | 9.1/7.1/5.2/3.7 | 10.4/7.7/4.8/3.5 | 10.2/8.6/7.0/6.0 |
|                          | heating                            | high/nom./low/silent operation | m <sup>3</sup> /min | 9.9/8.2/6.5/5.5            | 9.8/7.9/6.2/5.2 | 10.6/8.5/6.4/5.4 | 11.0/9.3/7.6/6.7 |
| Sound power level        | cooling                            | nom.                           | dB(A)               | 54                         |                 | 58               | 59               |
|                          | heating                            | nom.                           | dB(A)               | 54                         | 55              | 58               | 60               |
| Sound pressure level     | cooling                            | high/nom./low/silent operation | dB(A)               | 38/32/25/22                |                 | 42/34/26/23      | 43/39/34/31      |
|                          | heating                            | high/nom./low/silent operation | dB(A)               | 38/33/28/25                | 39/34/28/25     | 42/36/29/26      | 44/39/34/31      |
| Power supply             | name / phase / frequency / voltage |                                |                     | Hz / V                     |                 |                  |                  |
|                          |                                    |                                |                     | V1 / 1~ / 50 / 220-230-240 |                 |                  |                  |

| CONNECTABLE OUTDOOR UNITS |                             |                    |                     | 2AMX40G               | 2AMX50G                   | 3AMX52E     |  |
|---------------------------|-----------------------------|--------------------|---------------------|-----------------------|---------------------------|-------------|--|
| Dimensions                | unit                        | heightxwidthxdepth | mm                  | 550x765x285           |                           | 735x936x300 |  |
| Weight                    | unit                        |                    |                     | kg                    |                           | kg          |  |
| Fan - Air flow rate       | cooling                     | high/nom./low      | m <sup>3</sup> /min | 36/33/30              | 37/34/34                  | 45/45       |  |
|                           | heating                     | high/nom./low      | m <sup>3</sup> /min | 32/32/32              | 34/34/34                  | 45/41       |  |
| Sound power level         | cooling                     | nom.               | dB(A)               | 62                    | 63                        | 59          |  |
| Sound pressure level      | cooling                     | nom.               | dB(A)               | 47                    | 48                        | 46          |  |
|                           | heating                     | nom.               | dB(A)               | 48                    | 50                        | 47          |  |
| Operation range           | cooling                     | ambient            | min.-max. °CDB      | 10~46                 |                           |             |  |
|                           | heating                     | ambient            | min.-max. °CWB      | -15~-15.5             |                           |             |  |
| Refrigerant               | type                        |                    |                     | R-410A                |                           |             |  |
| Piping connections        | liquid                      | OD                 | mm                  | 6.35                  |                           |             |  |
|                           | gas                         | OD                 | mm                  | 9.52                  |                           |             |  |
|                           | drain                       | OD                 | mm                  | 18                    |                           |             |  |
|                           | level difference            | IU - OU            | max.                | m                     | 15                        |             |  |
|                           |                             | IU - IU            | max.                | m                     | 7.5                       |             |  |
|                           | heat insulation             |                    |                     |                       | Both liquid and gas pipes |             |  |
|                           | total piping length         | system             | actual              | 30                    |                           | 50          |  |
| Power supply              | phase / frequency / voltage |                    |                     | Hz / V                |                           |             |  |
|                           |                             |                    |                     | 1~ / 50 / 220-230-240 |                           |             |  |



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](http://www.eurovent-certification.com) or using: [www.certiflash.com](http://www.certiflash.com)

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