



www.asami.lt

VRF SYSTEMS & PROFESSIONAL CLIMATE EQUIPMENT



• EQUIPMENT CATALOG • TECHNICAL SPECIFICATIONS • APPLICATION EXAMPLE

VRF OUTDOOR UNITS



AMV Mini and Slim

Cooling capacity 12-33,5 kW

Heating capacity 14-35 kW

Maximum drive indoor units number 7-19

Heating: -20 °C ~ +27 °C

Cooling: -5 °C ~ +52 °C

AMV FLEX

Cooling capacity 40-246 kW

Heating capacity 45-276 kW

Maximum drive indoor units number 23-80

Heating: -30 °C ~ +24 °C

Cooling: -5 °C ~ +55 °C



AMV6 Heat Recovery

Cooling capacity 22,4-246 kW

Heating capacity 25-276 kW

Maximum drive indoor units number 13-80

Heating: -25 °C ~ +24 °C

Cooling: -10 °C ~ +55 °C

AMV6 Basic



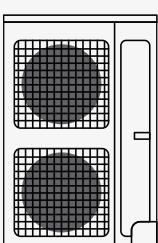
Cooling capacity 22,4-246 kW

Heating capacity 25-276 kW

Maximum drive indoor units number 13-80

Heating: -30 °C ~ +24 °C

Cooling: -5 °C ~ +55 °C

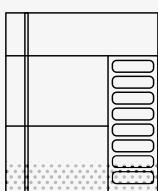


AMV MINI AND SLIM

» Easy Installation: The outdoor unit of AMV is with small size and light weight. No need forklift and crane for movement and installation. It can be carried by elevator or stairs.

AMV FLEX

» The AMV FLEX system offers a compact, modular design that allows up to 4 units to be combined for flexible performance. It delivers reliable cooling from -5°C to 55°C and heating from -30°C to 24°C, with a powerful static fan pressure of up to 80 Pa.



AMV6 BASIC

» The system does not require an oil balance pipe.
 » Operating in heating mode up to -30°C. in Cooling up to 55°C.
 » Outdoor unit condensers are coated with GoldenFin which is made of Al-Mn anti-rust alloy, and coated with golden protection layer, it consists of epoxy resin & modified acrylic, silicon free. The anti corrosive performance is more than 200 % higher than Bluefin.



AMV6 HEAT RECOVERY

» The AMV HR 3-pipe system can be used to simultaneously cool and heat rooms and provide hot water or connect to an underfloor heating circuit.
 » Operating range for heat recovery units up to -25°C in heating mode, and up to 55°C in Cooling mode.
 » Low power standby function can be achieved for more energy savings.

VRF SYSTEM INDOOR UNITS



AMV compact cassette

AMV cassette



Wall-mounted unit



Cooling capacity	1,5-5,6 kW
Heating capacity	1,8-6,6 kW
Sound pressure level	25-43 dB(A)

Cooling capacity	7,1-14 kW
Heating capacity	8-16 kW
Sound pressure level	31-43 dB(A)

Cooling capacity	1,5-9,5 kW
Heating capacity	1,8-10,5 kW
Sound pressure level	25-43 dB(A)



Duct type low ESP unit

Duct type high ESP unit



Floor-ceiling type unit



Cooling capacity	2,2-7 kW
Heating capacity	2,5-8 kW
Sound pressure level	22-37 dB(A)

Cooling capacity	9,0-28 kW
Heating capacity	10 - 31 kW
Sound pressure level	34-55 dB(A)

Cooling capacity	2,8-14 kW
Heating capacity	3,2-16 kW
Sound pressure level	29-49 dB(A)

VRF SYSTEM CONTROLLERS



● Standard Wireless controller



● Standard Wirer controller



● Central controller



● Additional WiFi module



● Dry Contacts module



● Modbus / BACnet gateway

CONDENSING COMPRESSORED UNITS

AMV MINI and SLIM Series



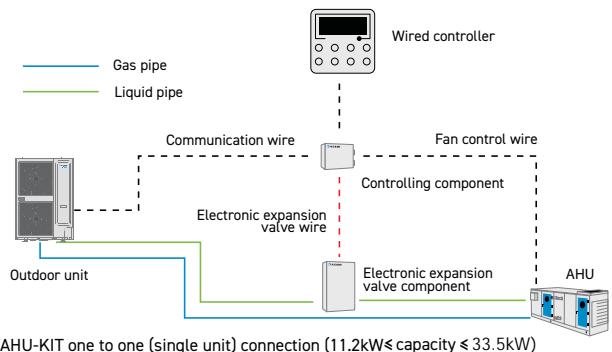
Cooling capacity 12-33,5 kW

Heating capacity 14-35 kW

Operation range:

Heating: -20 °C ~ +27 °C

Cooling: -5 °C ~ +52 °C



AMV6 and AMV FLEX Series



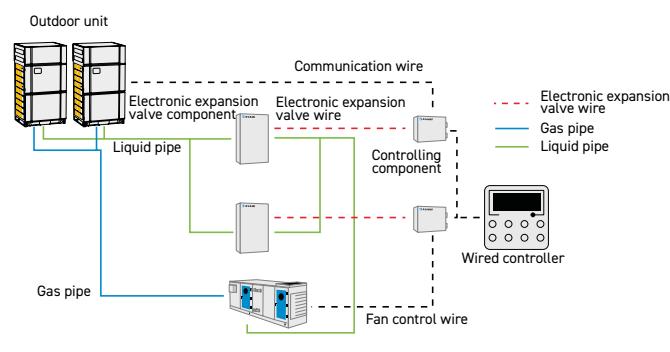
Cooling capacity 22,4-246 kW

Heating capacity 24-276 kW

Operation range:

Heating: -30 °C ~ +24 °C

Cooling: -5 °C ~ +55 °C



ACU Series Condensing units



Cooling capacity 3,5-16,0 kW

Heating capacity 4,0-17,0 kW

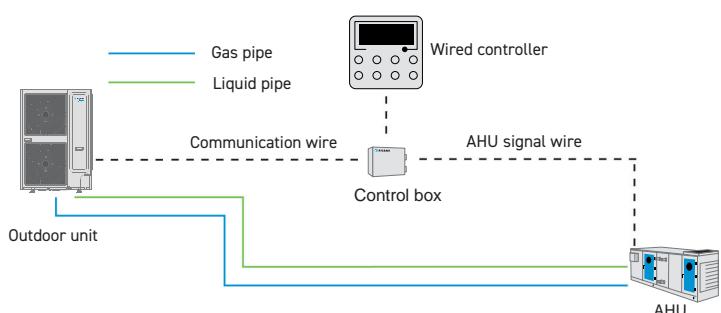
Operation range:

Heating: -20 °C ~ +24 °C

Cooling: -20 °C ~ +52 °C

Advantages

- SCOP up tp 4.5 / SEER up to 7.2
- Refrigerant R410A
- Can work in mix system with VRF indoor units
- Possibility to connect up to 4 units to cascade



Advantages

- Energy efficiency class A++/A+
- SCOP up tp 4.2 / SEER up to 6.5
- Low GWP refrigerant R32
- No need to install EEV valve



MULTISPLIT TYPE AIR CONDITIONERS

Cassette type



Wall mounted type



Cooling capacity	2,8-7,0 kW
Heating capacity	2,8-8,0 kW
Sound pressure level	30-45 dB(A)

Cooling capacity	2,2-7,1 kW
Heating capacity	2,5-7,8 kW
Sound pressure level	22-48 dB(A)

Multisplit outdoor units



Operation range:

Heating: -22 °C ~ +24 °C

Cooling: -15 °C ~ +43 °C

CASSETTE TYPE SPLIT AIR CONDITIONERS



Advantages

- Energy efficiency class A++/A+
- SCOP up to 4.2 / SEER up to 7.2
- Low GWP refrigerant R32
- DC Inverter compressor
- Standard wired or wireless controller



Operation range:

Heating: -20 °C ~ +24 °C

Cooling: -20 °C ~ +52 °C

Cassette type split

Cooling capacity	3,5-16,0 kW
Heating capacity	4,0-17,0 kW
Sound pressure level	29-44 dB(A)



Advantages

- Energy efficiency class A++/A+
- SCOP up to 4.2 / SEER up to 6.5
- Low GWP refrigerant R32
- 360° Surrounding airflow
- Standard wireless controller YAP1F

MODULAR INVERTER HEAT PUMP

with integrated circulation pump

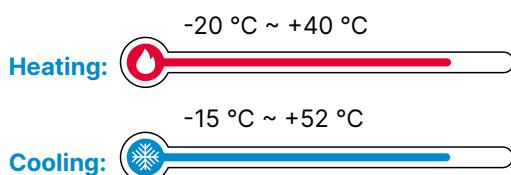


Cooling capacity	32, 60, 100, 130 kW
Heating capacity	35, 65, 105, 131 kW

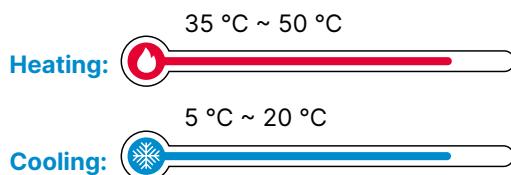
Advantages

- Rotary type inverter compressor
- SCOP up to 3.9 / SEER up to 4.6
- Low GWP refrigerant R32
- Modular combination up to 3 units in a cascade
- Continuous heating

Operation range:



Water outlet temperatures:



Environmentally Responsible Refrigerant

The Modular Inverter Heat Pump use R32 refrigerant, which has a Global Warming Potential Coefficient 675.

Modular combination design

The modular combination design allows a maximum of 3 modular units as a cascade working with the same or different cooling capacities, so the total cooling capacity range is between 33kW and 390kW.

Integrated Hydraulic Module

The units have an integrated hydraulic module, which speeds up installation work and simplifies system commissioning. It consists of circulation pump, expansion tank, filter, drain, air vent and safety valves.

Continuous Heating

In a cascade operation, modules go into defrost cycle at different time interval, ensuring Continuous Heating function.

Controller CF492

This advanced touch screen controller gives easy operation, selection of many languages, possibility to control up to 3 modules in cascade, circulation pump work, and standard Modbus RS485 communication interface.



DC inverter Rotary compressor

Adopted with inverter rotary compressor, each with adjustable capacity range is from 10% to 100%. With DC inverter technology, the compressor operation frequency is in dynamic control to satisfy load changes, thus ensure highly efficient system for customers with an optimal performance.

FAN COIL UNITS



**Skystar,
Skystar Jumbo**



**Carisma
Fly**

Fan Coil type

Cassette

Cooling capacity

1,9 – 13,6 kW

Sound pressure level

24 – 55 dB(A)

EC fan (option)

yes

Fan Coil type

Wall mounted type

1,2 – 3,8 kW

Sound pressure level

26 – 48 dB(A)

EC fan (option)



**Carisma
Whisper**

**Maestro,
Carisma CRSL**



Fan Coil type

Wall type

Cooling capacity

0,9 – 3,8 kW

Sound pressure level

22 – 46 dB(A)

EC fan (option)

yes

Fan Coil type

Duct type

2,0 – 30,6 kW

Sound pressure level

25 – 72 dB(A)

EC fan (option)



**Carisma
CRC MV**

**Carisma
CRC IO**



Fan Coil type

Floor - ceiling

Cooling capacity

1,0 – 7,4 kW

Sound pressure level

23 – 55 dB(A)

EC fan (option)

yes

Fan Coil type

Duct type

1,0 – 7,4 kW

Sound pressure level

23 – 55 dB(A)

EC fan (option)

Controllers

- Modbus, KNX, wifi module
- wired, wireless controllers
- group controllers



HEAT RECOVERY UNITS



**Energy Smart
ceiling**



**Energy
Smart vertical**



**Energy
Plus**



Air flow	150-270m3/h	Air flow	180-600 m3/h	Air flow	720-2600 m3/h
Max sound power level	36,8-44,9 dB(A)	Max sound power level	38,9-52,4 dB(A)	Max static pressure	170-250 Pa
Temperature efficiency	88-92,1%	Temperature efficiency	86,5-92,5%	Temperature efficiency	80-94%
Energy efficiency class	A, A+	Energy efficiency class	A, A+	Energy efficiency class	A, A+
Heat exchanger type	Plate PET/ Plate enthalpy	Heat exchanger type	Plate PET/ Plate enthalpy	Heat exchanger type	Plate

- **Included
wired controller**



Industrial air heaters

- For cooling and heating
- A wide range with many options included EC fans, explosion-proof motors and etc.
- Special version with stainless steel casing and coil with stainless steel pipes and aluminium fins



- For cooling and heating
- Special circular unit heater for ceiling installation only, suitable for installation up to 14 meters height
- Air flow up to 12.000 m³/h
- Heating capacity from 10 up to 90 kW
- Cooling capacity from 3 up to 24 kW



Radiant panels

- Two series - *Pulsar* and *Duck strip*
- For cooling and heating
- Several versions for different hanging on the ceiling
- The wide range of colours available
- Each element can be easily connected by pressfittings or by welding the pipe



Door curtains

- With electrical heater, water coil on fan only versions
- 1, 1.5 and 2 meters width
- AC or EC ventilator motor
- Installation height up to 4.5 meter
- Concealed installation frame is available for integration in the ceiling



Electrostatic filters

- Installation possible on existing systems Low impact on the thermal and aeraulic equilibrium of the installation
- Significant bactericide action on biological pollutants
- Very low additional energy costs
- Simple and fast maintenance
- Remote power supply that can power multiple filtering units at the same time



Evaporative coolers

- Reduces the air temperature in large volume buildings
- Is using nature's principle of water evaporation
- Supplies continuous great air changes in large volume buildings, improving the internal air quality
- 3 sizes for air flow: 10.500 m³/h, 11.000 m³/h and 21.000 m³/h



REFERENT LIST



- Pack Klaipėda, food packaging production
ASAMI condensing units, 492 kW

- VESTUM business park, Vilnius
ASAMI VRF 560 kW



- DEPO supermarket, Vilnius,
ASAMI VRF 390 kW

- Kaunas Sport hall
ASAMI condensing units 620 kW



- Liepū g. 80 Business park, Klaipėda
ASAMI VRF 285 kW, Condensing units 90 kW

- Teltonika factory, Vilnius, Lithuania
ASAMI HP 195 kW

REFERENT LIST



- Hall of the Latvian Basketball Association, Riga
ASAMI VRF 300 kW



- Marupes logistics parks, Riga
ASAMI VRF 743 kW



- Jahtclub, Riga
ASAMI Heat Pump 260 kW



- Lidostas Parks logistics park, Riga
ASAMI VRF 620 kW



- Kurbads Ice skating rink, Riga
ASAMI Condensing units 247 kW



- Valmiera glass factory, Latvia
ASAMI Condensing units 246 kW

REFERENT LIST



- Visoriai technology center, Vilnius, 2013
ASAMI VRF, more than 300 indoor units

- Riga's court, Latvia, 2012
ASAMI VRF 900 kW



- Physical Sciences and Technology center, Vilnius, 2013
ASAMI VRF, more than 300 indoor units

- Biržai camping, Lithuania
ASAMI VRF, Condensing units, Splits 280 kW



- Hospital center in Eivenių str., Kaunas, 2014 - 2024
ASAMI VRF and condensing units, more than 700 kW

- M-Lab laboratories in KTU, Kaunas
ASAMI Condensing units, 185 kW

Contacts

UAB ASAMI

Rygos str. 6-34, LT05270,
Vilnius, Lithuania
+370 5 2636152
info@asami.lt



www.asami.lt