BU MODULE / BRANCH JOINT



The module is an independent BU. It installation is between the indoor and outdoor units. This module has different refrigerant volume is developed to meet the specific needs of the cooler refrigeration or heating in a room. It optimize the cooling system doing the installation and purification easier.

Intelligent change of the cooling air volume

The module have the control and measure of the demand for cooling / heating of each room in real time. You can vary the exact volume of refrigerant in each room.

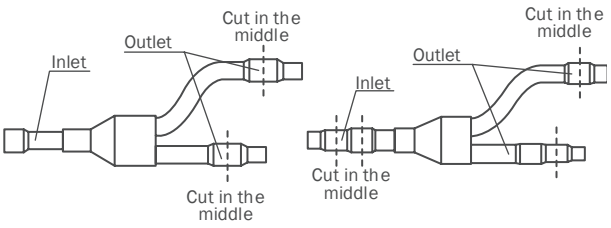
Compact chassis and easy installation

The module is used to coordinate the flow of refrigerant from indoor units, it can reduce the space required for installation.

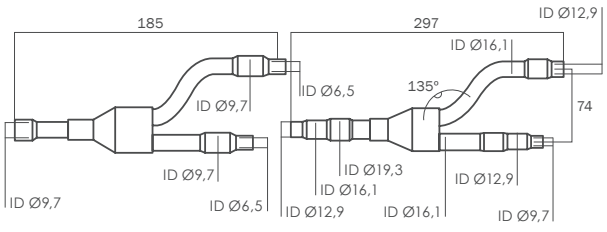
Extremely silent

Electronic expansion valves are included in the module. The module can be placed on the ceiling of the living room, hallway, balcony, storeroom, etc., isolates the noise that inevitably generates the valve outside the bedroom and work room, allowing a comfortable silence to prevail.

When using 2 or 3 taps, a FQ-0020A distributor will be chosen.
The distributor is equipped with auxiliary tubes to adjust the diameter of the different pipes. If the selected pipe dimension is different from the distributor joint dimension, cut the copper pipe through the middle with a pipe cutter and clean the burrs. Please note the following figure.



The distributor must be installed vertically or horizontally. At the distributor inlet, leave at least 500 mm of straight pipe.



Líquido **Gas**

*measures en mm

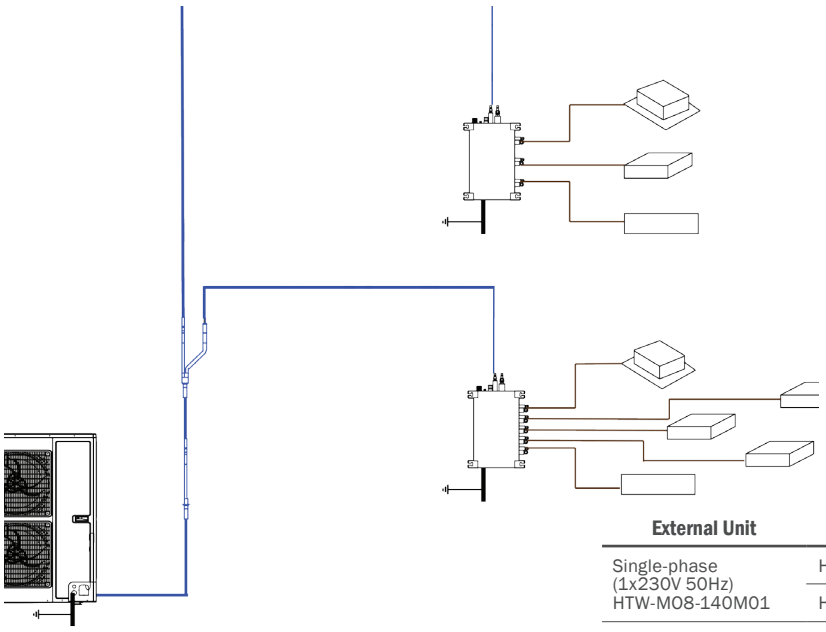
MODELS (Bu modules)

			HTW-MBP-S02M01	HHTW-MBP-S03M01	HTW-MBP-03M01	HTW-MBP-05M01
Maximum number of indoor units connectable			2	3	3	5
Power supply		V,F,HZ	220-240V (1 Fase ~ 50Hz)			
Outdoor unit connection port	Gas	mm	Ø 15,9	Ø 15,9	Ø 15,9	Ø 15,9
	Liquid	mm	Ø 9,5	Ø 9,5	Ø 9,5	Ø 9,5
	Connection method		Roscado	Roscado	Roscado	Roscado
Indoor unit connection port	Gas	mm	Ø 9,5	Ø 9,5	Ø 9,5	Ø 9,5
	Liquid	mm	Ø 6,3	Ø 6,3	Ø 6,3	Ø 6,3
	Connection method		Roscado	Roscado	Roscado	Roscado
Drainage pipe	External diameter	mm	Ø 31	Ø 31	Ø 31	Ø 31
	Thickness	mm	3	3	3	3
Dimensions (An x Al x Pr)	Net	mm	532x313x182	532x313x182	532x313x182	532x313x182
	Gross	mm	683x392x270	683x392x270	683x392x270	683x392x270
Weight net/gross		Kg	5,5/7,5	5,5/7,5	6/8	6/8
EAN CODE			**8436553747024**	**8436553747031**	**8436553743262**	**8436553743279**

MODEL (Distributor)

	Type of pipe	FQ-0020A	
		Gas (mm)	Liquid (mm)
Indoor Unit Capacity (Btu/h)	7.000, 9.000, 12.000	Ø 9,5	Ø 6,3
	18.000	Ø 12,7	Ø 6,3
	21.000, 24.000	Ø 15,9	Ø 9,5
Outdoor unit	HTW-M08T3-140M01	Ø 15,9	Ø 9,5
	HTW-M09T3-160M01	Ø 15,9	Ø 9,5
Between outdoor unit and the first distributor (Length)	≥5 meters	Ø 19,0	Ø 9,5
Between the first and the second distributor (Length)	≥5 meters	Ø 15,9	Ø 9,5
EAN CODE		**8436553750338**	

Wiring diagram of the derivative and distributor modules



Example

We want to install a three-phase **HTW-M09T3-160M01** unit with 9 indoor units. In this case we will have 2 possible solutions that we will choose depending on the installation:

1. Install 3 modules of **HTW-MBP-03M01** of 3 outputs each one: 3x3 outlet=9; Necessary derivatives: (3 modules) -1 = 2 derivatives **FQ-0020A.**
2. Install 2 modules of **HTW-MBP-05M01** of 5 outputs each one: 2x5 outlet=10; we'd have 1 exit left without connecting. Necessary derivatives: (2 modules) -1 = 1 derivatives **FQ-0020A.**

External Unit	Modules derivative	Nº max. In. Units conectables	Distributor
Single-phase (1x230V 50Hz) HTW-M08-140M01	HTW-MBP-S02M01	Up to 2 Ud. Int.	**FQ-0020A**
	HTW-MBP-S03M01	Up to 3 Ud. Int.	Distributors are necessary is equal in number modular minus 1 Unit
Three-phase (3x380V 50Hz) HTW-M09T3-160M01	HTW-MBP-03M01	Up to 3 Ud. Int.	
	HTW-MBP-05M01	Up to 5 Ud. Int.	