

|                       |          |         |
|-----------------------|----------|---------|
| GRFMI 306 R5I/300 R7I | Cooling: | 11,2 kW |
|                       | Heating: | 12,5 kW |
| G MI 406 R5I/400 R7I  | Cooling: | 14 kW   |
|                       | Heating: | 16 kW   |
| G MI 506 R5I/500 R7I  | Cooling: | 15,5 kW |
|                       | Heating: | 17,6 kW |



## MINI MULTISET V.R.F. DCI

The Mini Multiset V.R.F. DC Inverter System is the new frontier of technology, specifically thought for residential and light commercial applications

**DCI** High efficiency DC Inverter Compressor, circuit DCI PAM (Dc Inverter Pulse Amplitude modulation), maximum of 9 indoor units connectable to 1 outdoor unit (model GRFMI 506). DC Inverter Fan

**V.R.F.** Variable Refrigerant Flow: continuous regulation of the refrigerant flow rate in the circuit of an air conditioning system able to give the best in term of comfort, with very high efficiency levels (E.E.R. up to 4,06 - model GRFMI 406 R5I)

**R410A** The most ecological and efficient refrigerant available for air conditioning systems of this level of thermal capacity

**COMPACT** Reduced dimensions of the outdoor unit

**WIDE RANGE** Three sizes available: 4-5-6 HP

**230/400 VOLT** Single-phase (230/1/50) and Three-phase (400/3/50) power supply

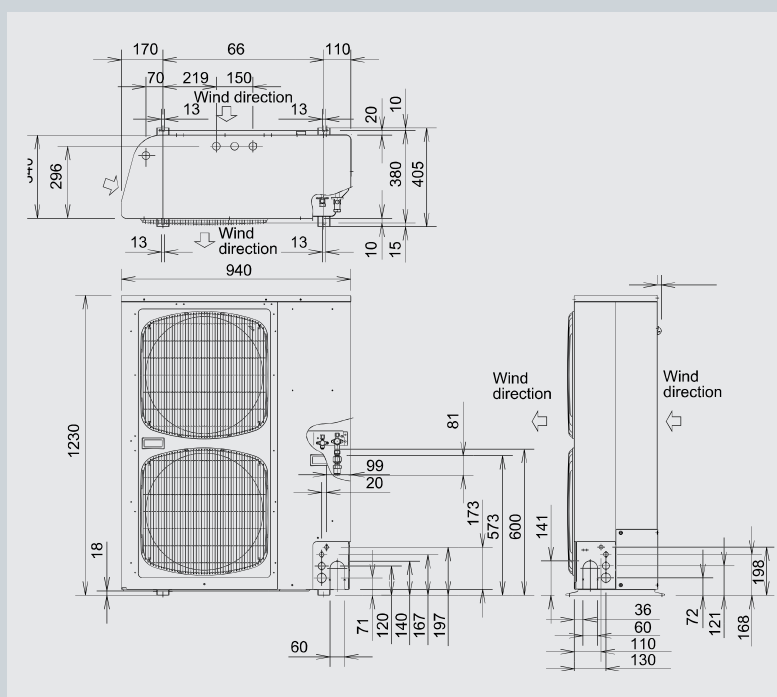
**150 m** Refrigerant circuit of a maximum length of 150 m, to be realized with a big save of time thanks to the reduced pipe dimension and to the simple tree structure that makes widening easy, not requiring any installation of expensive concentrator apparatus

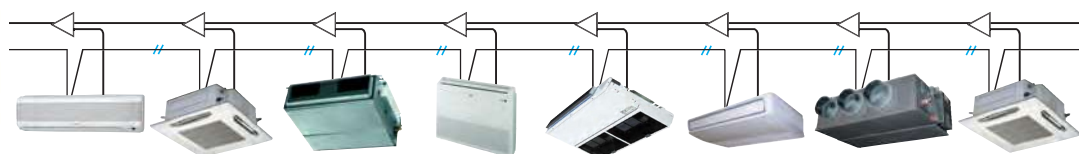
**LAN** (Local Area Network) For the interconnection of all the indoor/outdoor units and the system controls, realized with two wiring cables without polarization; the intelligent controllers are able to auto set all the units, simplifying and reducing to minimum the time-to-start

**SILENCE** Low sound levels thanks to the special fans and to the careful study of the air movements in suction

**WIDE LIMITS** The wide range of outdoor air temperature supported allows the operation even in extreme conditions:  
from -10°C to +43°C in cooling mode  
from -20°C to +15°C in heating mode

**MATCHIN & CONTROLS** Indoor units, controllers (all optional) and accessories are the same as those of 2 and 3 way Multiset V.R.F. DCI





# MINI MULTISSET V.R.F. DCI

## Limitation of refrigerant piping length

| Item                                          | 04                                                     | 05 | 06 |
|-----------------------------------------------|--------------------------------------------------------|----|----|
| Capacity ratio of indoor unit to outdoor unit | 50 - 130%                                              |    |    |
| Max. number of connectable indoor units       | 6                                                      | 8  | 9  |
| Max. actual piping length                     | 150                                                    |    |    |
| Max. total piping length                      | 200                                                    |    |    |
| Allowable elevation difference                | When outdoor unit is installed higher than indoor unit |    | 50 |
|                                               | When outdoor unit is installed lower than indoor unit  |    | 40 |
| Max. difference between indoor units          | 15                                                     |    |    |

## Main piping size after distribution

|                                   |                  |      |       |
|-----------------------------------|------------------|------|-------|
| Total capacity after distribution | less than kW     | 7.1  | 16    |
|                                   | kW and up        | —    | 7.1   |
| Piping size                       | Gas pipe (mm)    | 12.7 | 15.88 |
|                                   | Liquid pipe (mm) | 6.35 | 9.52  |

## Indoor unit connection piping

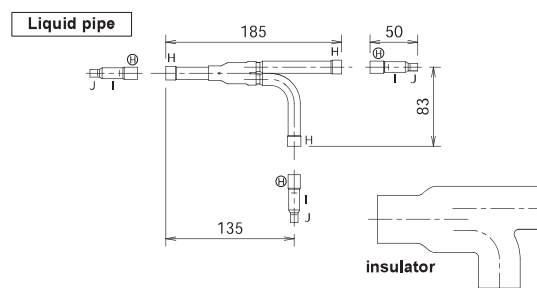
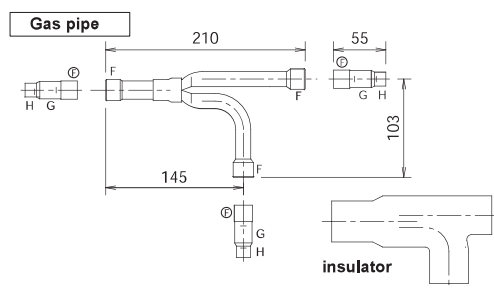
| Indoor unit | Type        | 75   | 95 | 125 | 165 | 185 | 255 | 365   | 485 |
|-------------|-------------|------|----|-----|-----|-----|-----|-------|-----|
|             | HP          | 0.8  | 1  | 1.3 | 1.6 | 2   | 2.5 | 4     | 5   |
| Piping size | Gas pipe    | 12.7 |    |     |     |     |     | 15.88 |     |
|             | Liquid pipe | 6.35 |    |     |     |     |     | 9.52  |     |

| INVERTER outdoor units                     |           | GRFMI 306 R5I/300 R7I |         | GRFMI 406 R5I/400 R7I |         | GRFMI 506 R5I/500 R7I |         |
|--------------------------------------------|-----------|-----------------------|---------|-----------------------|---------|-----------------------|---------|
| Features                                   | units     | Cooling               | Heating | Cooling               | Heating | Cooling               | Heating |
|                                            | HP        | 4                     |         | 5                     |         | 6                     |         |
| Cooling/Heating capacity                   | kW        | 11,2                  | 12,5    | 14,0                  | 16,0    | 15,5                  | 17,6    |
|                                            | BTU/h     | 38.200                | 42.700  | 47.800                | 54.600  | 52.900                | 60.000  |
|                                            | kcal/h    | 9.630                 | 10.750  | 12.040                | 13.760  | 13.330                | 15.140  |
| E.E.R. / C.O.P.                            | (kW/kW)   | 4,06                  | 4,34    | 3,66                  | 4,1     | 3,39                  | 3,84    |
| Air flowrate (h.)                          | m³/h      | 6.000                 |         | 6.000                 |         | 6.000                 |         |
| Sound pressure (normal/silent mode)        | dB(A)     | 51/48                 |         | 51/48                 |         | 52/49                 |         |
| Power supply                               | V/Ph/Hz   | 230/1/50 - 400/3/50   |         | 230/1/50 - 400/3/50   |         | 230/1/50 - 400/3/50   |         |
| Running consumption                        | kW        | 2,76                  | 2,88    | 3,83                  | 3,90    | 4,57                  | 4,58    |
| Compressor type                            |           | DC Inverter           |         | DC Inverter           |         | DC Inverter           |         |
| Refrigerant type                           |           | R410A                 |         | R410A                 |         | R410A                 |         |
| Liquid pipe diameter                       | mm(inch") | 9,52(3/8")            |         | 9,52(3/8")            |         | 9,52(3/8")            |         |
| Gas pipe diameter                          | mm(inch") | 15,88(5/8")           |         | 15,88(5/8")           |         | 19,05(3/4")           |         |
| Max. number of connectable indoor units    | no.       | 6                     |         | 8                     |         | 9                     |         |
| Max. pipe length                           | m         | 150                   |         | 150                   |         | 150                   |         |
| Gas standard charge                        | Kg        | 3,5                   |         | 3,5                   |         | 3,5                   |         |
| Max. distance between indoor units         | m         | 15                    |         | 15                    |         | 15                    |         |
| Max. height between units (Outdoor on top) | m         | 50                    |         | 50                    |         | 50                    |         |
| Max. height between units (Indoor on top)  | m         | 40                    |         | 40                    |         | 40                    |         |
| Net weight Outdoor                         | Kg        | 104                   |         | 104                   |         | 104                   |         |
| Net dimension Outdoor (H./W./D.)           | mm        | 1.200x940x340         |         | 1.200x940x340         |         | 1.200x940x341         |         |

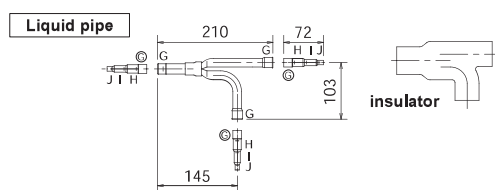
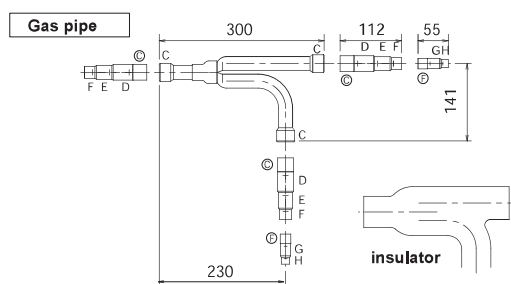
## DISTRIBUTION JOINT KITS FOR 2-WAY SYSTEMS

| Position  | part A       | part B        | part C        | part D   | part E      | part F      | part G      | part H     | part I     | part J     |
|-----------|--------------|---------------|---------------|----------|-------------|-------------|-------------|------------|------------|------------|
| Dimension | 38.1(1-1/2") | 31.75(1-1/4") | 28.58(1-1/8") | 25.4(1") | 22.22(7/8") | 19.05(3/4") | 15.88(5/8") | 12.7(1/2") | 9.52(3/8") | 6.35(1/4") |

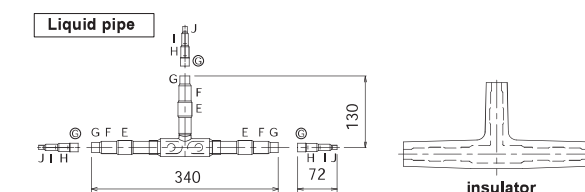
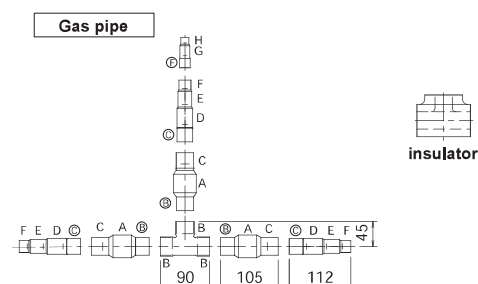
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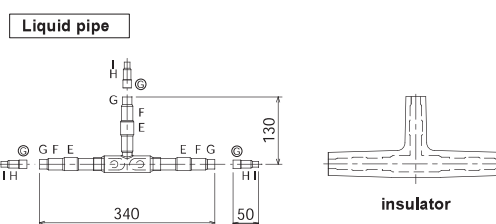
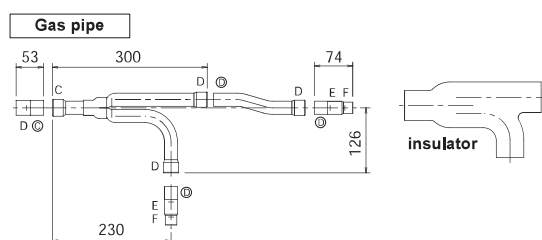
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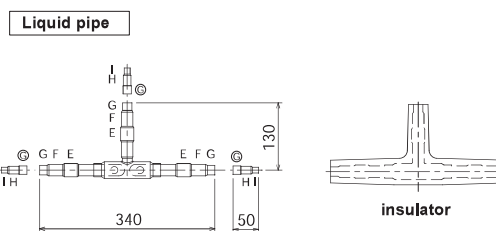
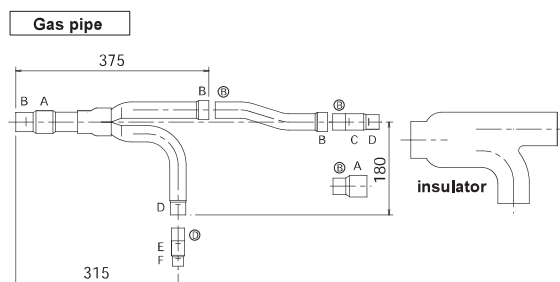
### • K70A058Z



### • K70A059Z



### • K70A060Z



### LEGENDA :

- (F) letter in circle = female side  
 F letter not in circle = male side

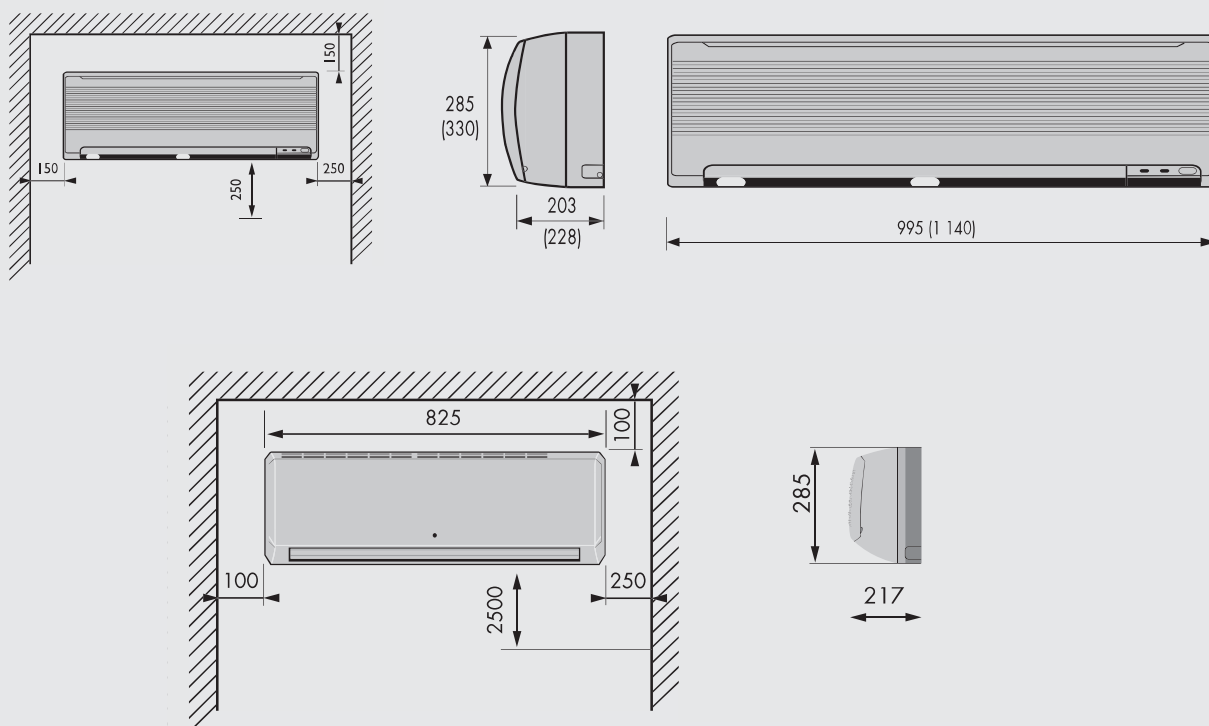


## MPAFM 78-98-128/ MAFM 185-225

- High wall indoor unit for Mini Multiset and Multiset V.R.F. DC Inverter systems
- New flat panel unit for 78-98 and 128 models: compact and elegant with its white pearl coloured panel, this new unit can be easily integrated in every type of furniture
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- New three-speed tangential fan by remote control, granting a better and low noise air diffusion
- Horizontal flap swinging or to be set to a fixed position by remote control
- Vertical flap by manual control
- Washable air filter
- Three-way condensate discharge (right, central and left)
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor

| PRODUCT NAME                    |           | MPAFM 78 R5I |         | MPAFM 98 R5I |         | MPAFM 128 R5I |         |
|---------------------------------|-----------|--------------|---------|--------------|---------|---------------|---------|
| Features                        | Units     | Cooling      | Heating | Cooling      | Heating | Cooling       | Heating |
| Cooling/Heating capacity        | kW        | 2,20         | 2,50    | 2,80         | 3,20    | 3,60          | 4,20    |
|                                 | BTU/h     | 7,500        | 8,520   | 9,550        | 10,920  | 12,280        | 14,320  |
|                                 | kcal/h    | 1,890        | 2,150   | 2,410        | 2,750   | 3,100         | 3,610   |
| Air flowrate Indoor (h.m.l.)    | m³/h      | 540-450-360  |         | 540-450-360  |         | 600-510-390   |         |
| Dehumidification                | l/h       | 1,3          |         | 1,6          |         | 2,0           |         |
| Fan speeds                      | n°        | 3 + Auto     |         | 3 + Auto     |         | 3 + Auto      |         |
| Sound pressure Indoor (h.m.l.)  | dB(A)     | 35-32-28     |         | 35-32-28     |         | 37-33-29      |         |
| Sound power Indoor (h.m.l.)     | dB(A)     | 46-43-39     |         | 46-43-39     |         | 48-44-40      |         |
| Power supply                    | V/Ph/Hz   | 230/1/50     |         | 230/1/50     |         | 230/1/50      |         |
| Running consumption             | kW        | 0,037        | 0,038   | 0,037        | 0,038   | 0,043         | 0,044   |
| Refrigerant type                |           | R410A        |         | R410A        |         | R410A         |         |
| Liquid pipe diameter            | mm(inch") | 6,35(1/4")   |         | 6,35(1/4")   |         | 6,35(1/4")    |         |
| Gas pipe diameter               | mm(inch") | 12,70(1/2")  |         | 12,70(1/2")  |         | 12,70(1/2")   |         |
| Net weight Indoor               | Kg        | 10,0         |         | 10,0         |         | 10,0          |         |
| Net dimension Indoor (H./W./D.) | mm        | 285x825x217  |         | 285x825x217  |         | 285x825x217   |         |

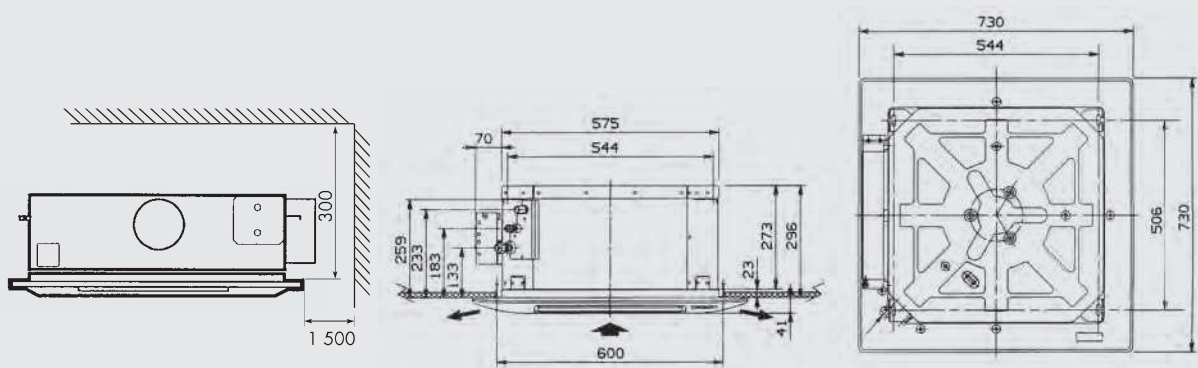
| PRODUCT NAME                    |           | MAFM 185 R5I |         | MAFM 255 R5I  |         |
|---------------------------------|-----------|--------------|---------|---------------|---------|
| Features                        | Units     | Cooling      | Heating | Cooling       | Heating |
| Cooling/Heating capacity        | kW        | 5,60         | 6,30    | 7,30          | 8,00    |
|                                 | BTU/h     | 19.100       | 21.480  | 24.890        | 27.280  |
|                                 | kcal/h    | 4.820        | 5.420   | 6.280         | 6.880   |
| Air flowrate Indoor (h.m.l.)    | m³/h      | 720-600-480  |         | 960-840-600   |         |
| Dehumidification                | l/h       | 2,3          |         | 4,0           |         |
| Fan speeds                      | n°        | 3 + Auto     |         | 3 + Auto      |         |
| Sound pressure Indoor (h.m.l.)  | dB(A)     | 36-32-28     |         | 42-38-35      |         |
| Sound power Indoor (h.m.l.)     | dB(A)     | 47-33-39     |         | 53-49-46      |         |
| Power supply                    | V/Ph/Hz   | 230/1/50     |         | 230/1/50      |         |
| Running consumption             | kW        | 0,033        | 0,033   | 0,052         | 0,052   |
| Refrigerant type                |           | R410A        |         | R410A         |         |
| Liquid pipe diameter            | mm(inch") | 6,35(1/4")   |         | 9,52(3/8")    |         |
| Gas pipe diameter               | mm(inch") | 12,70(1/2")  |         | 15,88(5/8")   |         |
| Net weight Indoor               | Kg        | 14           |         | 21            |         |
| Net dimension Indoor (H./W./D.) | mm        | 285x995x203  |         | 330x1.140x228 |         |





## CAFM 75-95-125-165-185

- Four-way cassette indoor unit to be matched with Mini Multiset and Multiset V.R.F. DC Inverter systems
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- New three-speed centrifugal fan by remote control, granting a better and low noise air diffusion
- Horizontal flap swinging or to be set on a fixed position by remote control
- Washable air filter
- Integrated pump for condensate discharge
- Special anti-dripping system on the four air outlets
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor





| PRODUCT NAME                          |                   | CAFM 75 R5I |         | CAFM 95 R5I |         |
|---------------------------------------|-------------------|-------------|---------|-------------|---------|
| Features                              | Units             | Cooling     | Heating | Cooling     | Heating |
| Cooling/Heating capacity              | kW                | 2,20        | 2,50    | 2,80        | 3,20    |
|                                       | BTU/h             | 7.500       | 8.520   | 9.550       | 10.920  |
|                                       | kcal/h            | 1.890       | 2.150   | 2.410       | 2.750   |
| Air flowrate Indoor (h.m.l.)          | m <sup>3</sup> /h | 700-600-500 |         | 700-600-500 |         |
| Dehumidification                      | l/h               | 0,9         |         | 1,0         |         |
| Fan speeds                            | n°                | 3 + Auto    |         | 3 + Auto    |         |
| Sound pressure Indoor (h.m.l.) at 2 m | dB(A)             | 43-40-37    |         | 43-40-37    |         |
| Sound power Indoor (h.m.l.)           | dB(A)             | 52-49-46    |         | 52-49-46    |         |
| Power supply                          | V/Ph/Hz           | 230/1/50    |         | 230/1/50    |         |
| Running consumption                   | kW                | 0,087       | 0,087   | 0,087       | 0,087   |
| Refrigerant type                      |                   | R410A       |         | R410A       |         |
| Liquid pipe diameter                  | mm(inch")         | 6,35(1/4")  |         | 6,35(1/4")  |         |
| Gas pipe diameter                     | mm(inch")         | 12,70(1/2") |         | 12,70(1/2") |         |
| Net weight Indoor / grille            | Kg                | 16/2,5      |         | 16/2,5      |         |
| Net dimension Indoor (H./W./D.)       | mm                | 296x575x575 |         | 296x575x575 |         |
| Net dimension grille (H./W./D.)       | mm                | 41x730x730  |         | 41x730x730  |         |

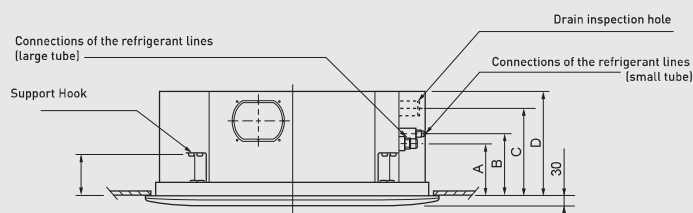
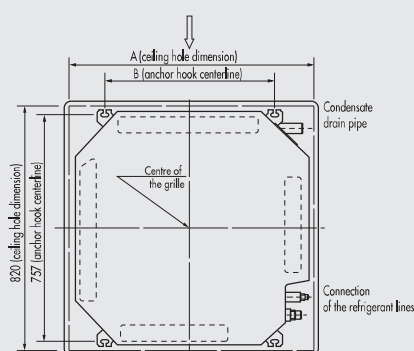
| PRODUCT NAME                          |                   | CAFM 125 R5I |         | CAFM 165 R5I |         |
|---------------------------------------|-------------------|--------------|---------|--------------|---------|
| Features                              | Units             | Cooling      | Heating | Cooling      | Heating |
| Cooling/Heating capacity              | kW                | 3,60         | 4,20    | 4,70         | 5,20    |
|                                       | BTU/h             | 12.280       | 14.320  | 16.020       | 17.740  |
|                                       | kcal/h            | 3.100        | 3.610   | 4.040        | 4.470   |
| Air flowrate Indoor (h.m.l.)          | m <sup>3</sup> /h | 700-600-500  |         | 750-630-530  |         |
| Dehumidification                      | l/h               | 1,2          |         | 2,3          |         |
| Fan speeds                            | n°                | 3 + Auto     |         | 3 + Auto     |         |
| Sound pressure Indoor (h.m.l.) at 2 m | dB(A)             | 43-40-37     |         | 44-40-37     |         |
| Sound power Indoor (h.m.l.)           | dB(A)             | 52-49-46     |         | 53-49-46     |         |
| Power supply                          | V/Ph/Hz           | 230/1/50     |         | 230/1/50     |         |
| Running consumption                   | kW                | 0,087        | 0,087   | 0,087        | 0,087   |
| Refrigerant type                      |                   | R410A        |         | R410A        |         |
| Liquid pipe diameter                  | mm(inch")         | 6,35(1/4")   |         | 6,35(1/4")   |         |
| Gas pipe diameter                     | mm(inch")         | 12,70(1/2")  |         | 12,70(1/2")  |         |
| Net weight Indoor / grille            | Kg                | 16/2,5       |         | 18/2,5       |         |
| Net dimension Indoor (H./W./D.)       | mm                | 296x575x575  |         | 296x575x575  |         |
| Net dimension grille (H./W./D.)       | mm                | 41x730x730   |         | 41x730x730   |         |

| PRODUCT NAME                          |                   | CAFM 185 R5I |         |
|---------------------------------------|-------------------|--------------|---------|
| Features                              | Units             | Cooling      | Heating |
| Cooling/Heating capacity              | kW                | 5,60         | 6,30    |
|                                       | BTU/h             | 19.100       | 21.480  |
|                                       | kcal/h            | 4.820        | 5.420   |
| Air flowrate Indoor (h.m.l.)          | m <sup>3</sup> /h | 750-630-530  |         |
| Dehumidification                      | l/h               | 2,3          |         |
| Fan speeds                            | n°                | 3 + Auto     |         |
| Sound pressure Indoor (h.m.l.) at 2 m | dB(A)             | 44-40-37     |         |
| Sound power Indoor (h.m.l.)           | dB(A)             | 53-49-46     |         |
| Power supply                          | V/Ph/Hz           | 230/1/50     |         |
| Running consumption                   | kW                | 0,087        | 0,087   |
| Refrigerant type                      |                   | R410A        |         |
| Liquid pipe diameter                  | mm(inch")         | 6,35(1/4")   |         |
| Gas pipe diameter                     | mm(inch")         | 12,70(1/2")  |         |
| Net weight Indoor / grille            | Kg                | 18/2,5       |         |
| Net dimension Indoor (H./W./D.)       | mm                | 296x575x575  |         |
| Net dimension grille (H./W./D.)       | mm                | 41x730x730   |         |



## CAFM 255-365-485

- Four-way cassette indoor unit to be matched with Mini Multiset and Multiset V.R.F. DC Inverter systems
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- “I Feel” feature and temperature sensor inside the remote control
- Dry function
- New three-speed centrifugal fan by remote control, granting a better and low noise air diffusion
- Horizontal flap swinging or to be set on a fixed position by remote control
- Special system to avoid condensate dripping from air outlet ribs
- Washable air filter
- Integrated pump for condensate discharge
- Special anti-dripping system on the four air outlets
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor





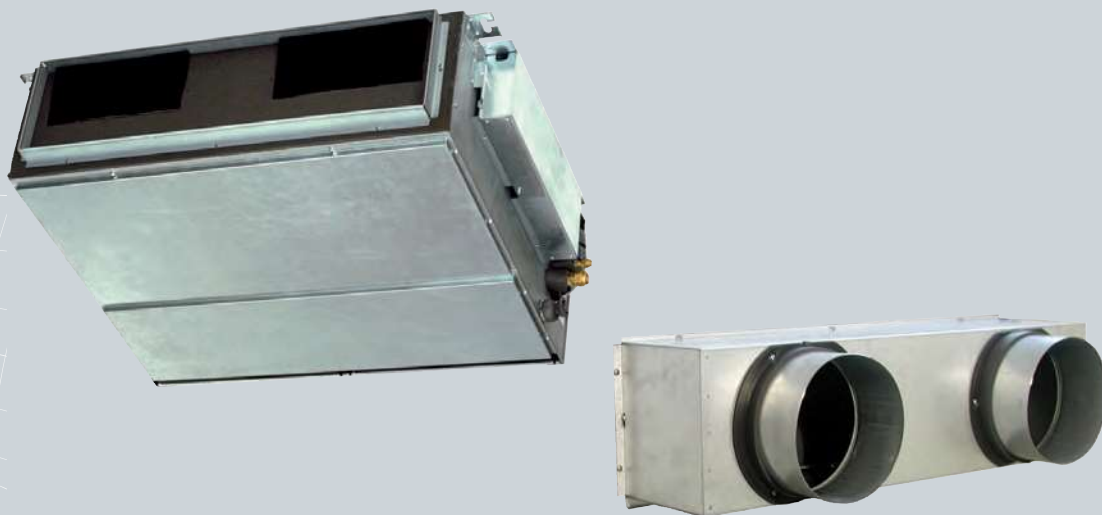
| PRODUCT NAME                          |           | CAFM 255 R5I    |         |
|---------------------------------------|-----------|-----------------|---------|
| Features                              | Units     | Cooling         | Heating |
| Cooling/Heating capacity              | kW        | 7,30            | 8,00    |
|                                       | BTU/h     | 24.890          | 27.280  |
|                                       | kcal/h    | 6.280           | 6.880   |
| Air flowrate Indoor (h.m.l.)          | m³/h      | 1.140-1.020-840 |         |
| Dehumidification                      | l/h       | 3,6             |         |
| Fan speeds                            | n°        | 3 + Auto        |         |
| Sound pressure Indoor (h.m.l.) at 2 m | dB(A)     | 47-45-41        |         |
| Sound power Indoor (h.m.l.)           | dB(A)     | 56-54-50        |         |
| Power supply                          | V/Ph/Hz   | 230/1/50        |         |
| Running consumption                   | kW        | 0,175           | 0,120   |
| Refrigerant type                      |           | R410A           |         |
| Liquid pipe diameter                  | mm(inch") | 9,52(3/8")      |         |
| Gas pipe diameter                     | mm(inch") | 15,88(5/8")     |         |
| Net weight Indoor / grille            | Kg        | 22/6            |         |
| Net dimension Indoor (H./W./D.)       | mm        | 338x860x860     |         |
| Net dimension grille (H./W./D.)       | mm        | 30x860x860      |         |

| PRODUCT NAME                          |           | CAFM 365 R5I      |         |
|---------------------------------------|-----------|-------------------|---------|
| Features                              | Units     | Cooling           | Heating |
| Cooling/Heating capacity              | kW        | 10,60             | 11,40   |
|                                       | BTU/h     | 36.150            | 38.880  |
|                                       | kcal/h    | 9.120             | 9.800   |
| Air flowrate Indoor (h.m.l.)          | m³/h      | 1.920-1.680-1.320 |         |
| Dehumidification                      | l/h       | 4,6               |         |
| Fan speeds                            | n°        | 3 + Auto          |         |
| Sound pressure Indoor (h.m.l.) at 2 m | dB(A)     | 53-50-46          |         |
| Sound power Indoor (h.m.l.)           | dB(A)     | 62-59-55          |         |
| Power supply                          | V/Ph/Hz   | 230/1/50          |         |
| Running consumption                   | kW        | 0,210             | 0,150   |
| Refrigerant type                      |           | R410A             |         |
| Liquid pipe diameter                  | mm(inch") | 9,52(3/8")        |         |
| Gas pipe diameter                     | mm(inch") | 15,88(5/8")       |         |
| Net weight Indoor / grille            | Kg        | 27/8              |         |
| Net dimension Indoor (H./W./D.)       | mm        | 338x1.150x860     |         |
| Net dimension grille (H./W./D.)       | mm        | 30x1.150x860      |         |

| PRODUCT NAME                          |           | CAFM 485 R5I      |         |
|---------------------------------------|-----------|-------------------|---------|
| Features                              | Units     | Cooling           | Heating |
| Cooling/Heating capacity              | kW        | 14,00             | 16,00   |
|                                       | BTU/h     | 47.740            | 54.560  |
|                                       | kcal/h    | 12.040            | 13.760  |
| Air flowrate Indoor (h.m.l.)          | m³/h      | 1.920-1.680-1.320 |         |
| Dehumidification                      | l/h       | 6,3               |         |
| Fan speeds                            | n°        | 3 + Auto          |         |
| Sound pressure Indoor (h.m.l.) at 2 m | dB(A)     | 53-50-46          |         |
| Sound power Indoor (h.m.l.)           | dB(A)     | 62-59-55          |         |
| Power supply                          | V/Ph/Hz   | 230/1/50          |         |
| Running consumption                   | kW        | 0,210             | 0,150   |
| Refrigerant type                      |           | R410A             |         |
| Liquid pipe diameter                  | mm(inch") | 9,52(3/8")        |         |
| Gas pipe diameter                     | mm(inch") | 15,88(5/8")       |         |
| Net weight Indoor / grille            | Kg        | 27/8              |         |
| Net dimension Indoor (H./W./D.)       | mm        | 338x1.150x860     |         |
| Net dimension grille (H./W./D.)       | mm        | 30x1.150x860      |         |

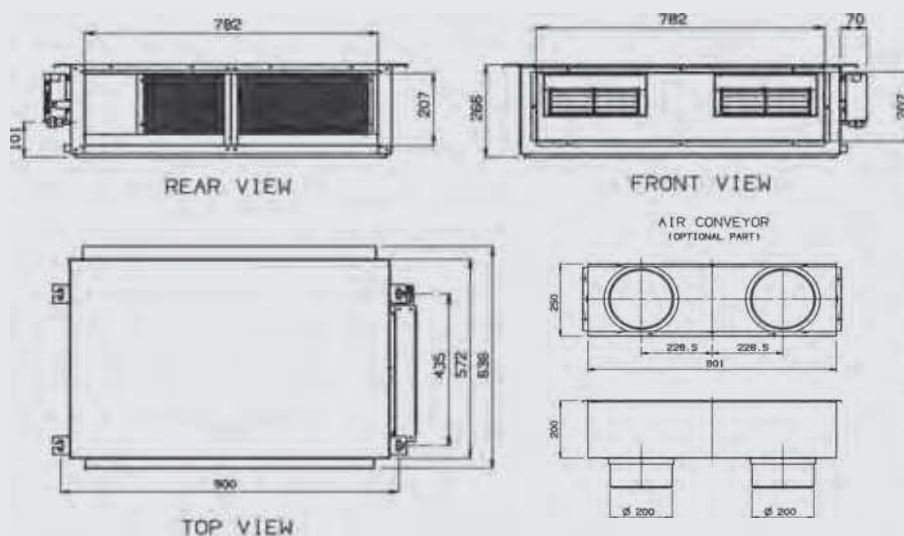
|              | A (mm) | B (mm) |
|--------------|--------|--------|
| CAFM 255     | 820    | 566    |
| CAFM 365/485 | 1 110  | 856    |

|              | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | Weight (kg) |
|--------------|--------|--------|--------|--------|--------|-------------|
| CAFM 255     | 157    | 182    | 261    | 308    | 124    | 28          |
| CAFM 365/485 | 157    | 182    | 291    | 338    | 124    | 35          |



## DSAFM 75-95-125

- Ducted indoor unit with optional two-way discharge plenum, to be matched with Mini Multiset and Multiset V.R.F. DC Inverter systems
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- Three-speed centrifugal fan by remote control and feature to increase speed/pressure (from 5 to 7 mm W.C.)
- Washable air filter
- Integrated pump for condensate discharge
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor



| PRODUCT NAME                                           |           | DSAFM 75 R5I |         |
|--------------------------------------------------------|-----------|--------------|---------|
| Features                                               | Units     | Cooling      | Heating |
| Cooling/Heating capacity                               | kW        | 2,20         | 2,50    |
|                                                        | BTU/h     | 7.500        | 8.520   |
|                                                        | kcal/h    | 1.890        | 2.150   |
| Air flowrate Indoor (h.-m.-l.)                         | m³/h      | 600-510-440  |         |
| Dehumidification                                       | l/h       | 0,8          |         |
| External static pressure (min-max)                     | mm W.G.   | 5-7          |         |
| Fan speeds                                             | n°        | 3 + Auto     |         |
| Sound power Indoor (h.m.l.)                            | dB(A)     | 54-52-49     |         |
| Sound pressure Indoor (h.-m.-l.) at plenum connection  | dB(A)     | 45-43-40     |         |
| Sound pressure Indoor at ducts exit                    | dB(A)     | < 20         |         |
| Power supply                                           | V/Ph/Hz   | 230/1/50     |         |
| Running consumption                                    | kW        | 0,110        | 0,110   |
| Refrigerant type                                       |           | R410A        |         |
| Liquid pipe diameter                                   | mm(inch") | 6,35(1/4")   |         |
| Gas pipe diameter                                      | mm(inch") | 12,7(1/2")   |         |
| Duct diameter of the 2-way discharge plenum (optional) | mm        | 200          |         |
| Net weight Indoor                                      | kg        | 30           |         |
| Net dimension Indoor (H./W./D.)                        | mm        | 266x926x571  |         |
| Net dimension Indoor with plenum (H./W./D.)            | mm        | 266x926x771  |         |

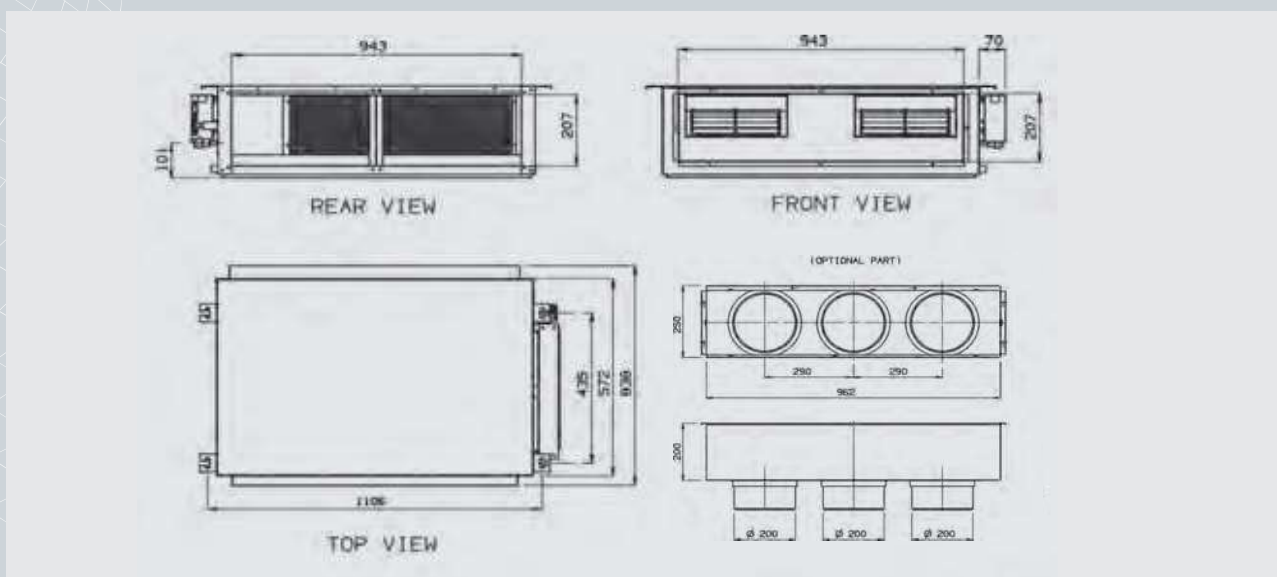
| PRODUCT NAME                                           |           | DSAFM 95 R5I |         |
|--------------------------------------------------------|-----------|--------------|---------|
| Features                                               | Units     | Cooling      | Heating |
| Cooling/Heating capacity                               | kW        | 2,80         | 3,20    |
|                                                        | BTU/h     | 9.550        | 10.920  |
|                                                        | kcal/h    | 2.410        | 2.750   |
| Air flowrate Indoor (h.-m.-l.)                         | m³/h      | 600-510-440  |         |
| Dehumidification                                       | l/h       | 0,8          |         |
| External static pressure (min-max)                     | mm W.G.   | 5-7          |         |
| Fan speeds                                             | n°        | 3 + Auto     |         |
| Sound power Indoor (h.m.l.)                            | dB(A)     | 54-52-49     |         |
| Sound pressure Indoor (h.-m.-l.) at plenum connection  | dB(A)     | 45-43-40     |         |
| Sound pressure Indoor at ducts exit                    | dB(A)     | < 20         |         |
| Power supply                                           | V/Ph/Hz   | 230/1/50     |         |
| Running consumption                                    | kW        | 0,110        | 0,110   |
| Refrigerant type                                       |           | R410A        |         |
| Liquid pipe diameter                                   | mm(inch") | 6,35(1/4")   |         |
| Gas pipe diameter                                      | mm(inch") | 12,7(1/2")   |         |
| Duct diameter of the 2-way discharge plenum (optional) | mm        | 200          |         |
| Net weight Indoor                                      | kg        | 30           |         |
| Net dimension Indoor (H./W./D.)                        | mm        | 266x926x571  |         |
| Net dimension Indoor with plenum (H./W./D.)            | mm        | 266x926x771  |         |

| PRODUCT NAME                                           |           | DSAFM 125 R5I |         |
|--------------------------------------------------------|-----------|---------------|---------|
| Features                                               | Units     | Cooling       | Heating |
| Cooling/Heating capacity                               | kW        | 3,60          | 4,20    |
|                                                        | BTU/h     | 12.280        | 14.320  |
|                                                        | kcal/h    | 3.100         | 3.610   |
| Air flowrate Indoor (h.-m.-l.)                         | m³/h      | 600-510-440   |         |
| Dehumidification                                       | l/h       | 1,5           |         |
| External static pressure (min-max)                     | mm W.G.   | 5-7           |         |
| Fan speeds                                             | n°        | 3 + Auto      |         |
| Sound power Indoor (h.m.l.)                            | dB(A)     | 54-52-49      |         |
| Sound pressure Indoor (h.-m.-l.) at plenum connection  | dB(A)     | 45-43-40      |         |
| Sound pressure Indoor at ducts exit                    | dB(A)     | < 20          |         |
| Power supply                                           | V/Ph/Hz   | 230/1/50      |         |
| Running consumption                                    | kW        | 0,110         | 0,110   |
| Refrigerant type                                       |           | R410A         |         |
| Liquid pipe diameter                                   | mm(inch") | 6,35(1/4")    |         |
| Gas pipe diameter                                      | mm(inch") | 12,7(1/2")    |         |
| Duct diameter of the 2-way discharge plenum (optional) | mm        | 200           |         |
| Net weight Indoor                                      | kg        | 30            |         |
| Net dimension Indoor (H./W./D.)                        | mm        | 266x926x571   |         |
| Net dimension Indoor with plenum (H./W./D.)            | mm        | 266x926x771   |         |



## DSAFM 165-185-225

- Ducted indoor unit with optional three-way discharge plenum, to be matched with Mini Multiset and Multiset V.R.F. DC Inverter systems
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- Three-speed centrifugal fan by remote control and feature to increase speed/pressure (from 5 to 7 mm W.C.)
- Washable air filter
- Integrated pump for condensate discharge
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor



| PRODUCT NAME                                                  |                   | DSAFM 165 R5I |         |
|---------------------------------------------------------------|-------------------|---------------|---------|
| Features                                                      | Units             | Cooling       | Heating |
| Cooling/Heating capacity                                      | kW                | 4,70          | 5,20    |
|                                                               | BTU/h             | 16.020        | 17.740  |
|                                                               | kcal/h            | 4.040         | 4.470   |
| Air flowrate Indoor (h.m.l.)                                  | m <sup>3</sup> /h | 875-600-400   |         |
| Dehumidification                                              | l/h               | 2,3           |         |
| External static pressure (min-max)                            | mm W.G.           | 5-7           |         |
| Fan speeds                                                    | n°                | 3 + Auto      |         |
| Sound power Indoor (h.m.l.)                                   | dB(A)             | 54-47-42      |         |
| Sound pressure Indoor (h.m.l.) at discharge plenum connection | dB(A)             | 45-38-33      |         |
| Sound pressure Indoor at ducts exit                           | dB(A)             | < 20          |         |
| Power supply                                                  | V/Ph/Hz           | 230/1/50      |         |
| Running consumption                                           | kW                | 0,138         | 0,138   |
| Refrigerant type                                              |                   | R410A         |         |
| Liquid pipe diameter                                          | mm(inch")         | 6,35(1/4")    |         |
| Gas pipe diameter                                             | mm(inch")         | 12,7(1/2")    |         |
| Duct diameter of the 3-way discharge plenum (optional)        | mm                | 200           |         |
| Net weight Indoor                                             | kg                | 35            |         |
| Net dimension Indoor (H./W./D.)                               | mm                | 266x1.132x571 |         |
| Net dimension Indoor with plenum (H./W./D.)                   | mm                | 266x1.132x771 |         |

| PRODUCT NAME                                           |                   | DSAFM 185 R5I |         |
|--------------------------------------------------------|-------------------|---------------|---------|
| Features                                               | Units             | Cooling       | Heating |
| Cooling/Heating capacity                               | kW                | 5,60          | 6,30    |
|                                                        | BTU/h             | 19.100        | 21.480  |
|                                                        | kcal/h            | 4.820         | 5.420   |
| Air flowrate Indoor (h.-m.-l.)                         | m <sup>3</sup> /h | 875-600-400   |         |
| Dehumidification                                       | l/h               | 2,3           |         |
| External static pressure (min-max)                     | mm W.G.           | 5-7           |         |
| Fan speeds                                             | n°                | 3 + Auto      |         |
| Sound power Indoor (h.-m.-l.)                          | dB(A)             | 54-47-42      |         |
| Sound pressure Indoor (h.-m.-l.) at plenum connection  | dB(A)             | 45-38-33      |         |
| Sound pressure Indoor at ducts exit                    | dB(A)             | < 20          |         |
| Power supply                                           | V/Ph/Hz           | 230/1/50      |         |
| Running consumption                                    | kW                | 0,138         | 0,138   |
| Refrigerant type                                       |                   | R410A         |         |
| Liquid pipe diameter                                   | mm(inch")         | 6,35(1/4")    |         |
| Gas pipe diameter                                      | mm(inch")         | 12,7(1/2")    |         |
| Duct diameter of the 3-way discharge plenum (optional) | mm                | 200           |         |
| Net weight Indoor                                      | kg                | 35            |         |
| Net dimension Indoor (H./W./D.)                        | mm                | 266x1.132x571 |         |
| Net dimension Indoor with plenum (H./W./D.)            | mm                | 266x1.132x771 |         |

| PRODUCT NAME                                           |                   | DSAFM 225 R5I |         |
|--------------------------------------------------------|-------------------|---------------|---------|
| Features                                               | Units             | Cooling       | Heating |
| Cooling/Heating capacity                               | kW                | 6,40          | 7,00    |
|                                                        | BTU/h             | 21.850        | 23.870  |
|                                                        | kcal/h            | 5.500         | 6.020   |
| Air flowrate Indoor (h.-m.-l.)                         | m <sup>3</sup> /h | 1000-700-600  |         |
| Dehumidification                                       | l/h               | 2,6           |         |
| External static pressure (min-max)                     | mm W.G.           | 5-7           |         |
| Fan speeds                                             | n°                | 3 + Auto      |         |
| Sound power Indoor (h.m.l.)                            | dB(A)             | 57-49-46      |         |
| Sound pressure Indoor (h.-m.-l.) at plenum connection  | dB(A)             | 48-40-37      |         |
| Sound pressure Indoor at ducts exit                    | dB(A)             | < 20          |         |
| Power supply                                           | V/Ph/Hz           | 230/1/50      |         |
| Running consumption                                    | kW                | 0,136         | 0,136   |
| Refrigerant type                                       |                   | R410A         |         |
| Liquid pipe diameter                                   | mm(inch")         | 9,52(3/8")    |         |
| Gas pipe diameter                                      | mm(inch")         | 15,88(5/8")   |         |
| Duct diameter of the 3-way discharge plenum (optional) | mm                | 200           |         |
| Net weight Indoor                                      | kg                | 35            |         |
| Net dimension Indoor (H./W./D.)                        | mm                | 266x1.132x571 |         |
| Net dimension Indoor with plenum (H./W./D.)            | mm                | 266x1.132x771 |         |

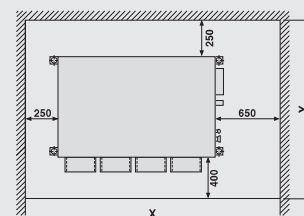
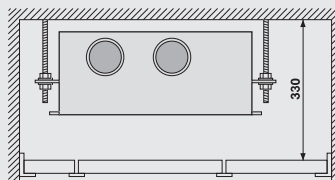
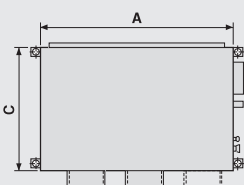
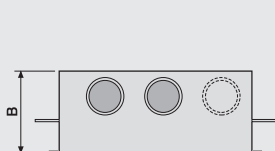
## MINI VRF &amp; VRF DCI INDOOR UNITS



## DSAFM 255-365-485

- Three/Four way Ducted indoor unit to be matched with Mini Multiset and Multiset V.R.F. DC Inverter systems
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- Three-speed centrifugal fan by remote control and feature to increase speed/pressure (from 5 to 10 mm W.C.)
- Integrated pump for condensate discharge
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor

|               | A (mm) | B (mm) | C (mm) | X (mm) | Y (mm) | Weight (kg) |
|---------------|--------|--------|--------|--------|--------|-------------|
| DSAFM 255     | 1 150  | 310    | 665    | 1 950  | 1 315  | 32          |
| DSAFM 365-485 | 1 480  | 310    | 665    | 2 380  | 1 315  | 47          |





| PRODUCT NAME                        |           | DSAFM 255 R5I |         |
|-------------------------------------|-----------|---------------|---------|
| Features                            | Units     | Cooling       | Heating |
| Cooling/Heating capacity            | kW        | 7,3           | 8,0     |
|                                     | BTU/h     | 24.890        | 27.280  |
|                                     | kcal/h    | 6.280         | 6.880   |
| Air flowrate Indoor (h.m.l.)        | m³/h      | 1.080-900-780 |         |
| Dehumidification                    | l/h       | 3,5           |         |
| External static pressure (min-max)  | mm W.G.   | 5,1-9,4       |         |
| Fan speeds                          | n°        | 3 + Auto      |         |
| Sound power Indoor (h.m.l.)         | dB(A)     | 43-39-36      |         |
| Sound pressure Indoor (h.m.l.)      | dB(A)     | 34-30-27      |         |
| Sound pressure Indoor at ducts exit | dB(A)     | < 20          |         |
| Power supply                        | V/Ph/Hz   | 230/1/50      |         |
| Running consumption                 | kW        | 0,195         | 0,183   |
| Refrigerant type                    |           | R410A         |         |
| Liquid pipe diameter                | mm(inch") | 9,52(3/8")    |         |
| Gas pipe diameter                   | mm(inch") | 15,88(5/8")   |         |
| Ducts diameter                      | mm        | 200           |         |
| Net weight Indoor                   | kg        | 32            |         |
| Net dimension Indoor (H./W./D.)     | mm        | 310x1.000x630 |         |

| PRODUCT NAME                        |           | DSAFM 365 R5I     |         |
|-------------------------------------|-----------|-------------------|---------|
| Features                            | Units     | Cooling           | Heating |
| Cooling/Heating capacity            | kW        | 10,6              | 11,4    |
|                                     | BTU/h     | 36.140            | 38.880  |
|                                     | kcal/h    | 9.120             | 9.800   |
| Air flowrate Indoor (h.m.l.)        | m³/h      | 1.800-1.560-1.260 |         |
| Dehumidification                    | l/h       | 4,2               |         |
| External static pressure (min-max)  | mm W.G.   | 8,1-12,4          |         |
| Fan speeds                          | n°        | 3 + Auto          |         |
| Sound power Indoor (h.m.l.)         | dB(A)     | 47-42-40          |         |
| Sound pressure Indoor (h.m.l.)      | dB(A)     | 38-33-31          |         |
| Sound pressure Indoor at ducts exit | dB(A)     | < 20              |         |
| Power supply                        | V/Ph/Hz   | 230/1/50          |         |
| Running consumption                 | kW        | 0,327             | 0,315   |
| Refrigerant type                    |           | R410A             |         |
| Liquid pipe diameter                | mm(inch") | 9,52(3/8")        |         |
| Gas pipe diameter                   | mm(inch") | 15,88(5/8")       |         |
| Ducts diameter                      | mm        | 200               |         |
| Net weight Indoor                   | Kg        | 47                |         |
| Net dimension Indoor (H./W./D.)     | mm        | 310x1.480x630     |         |

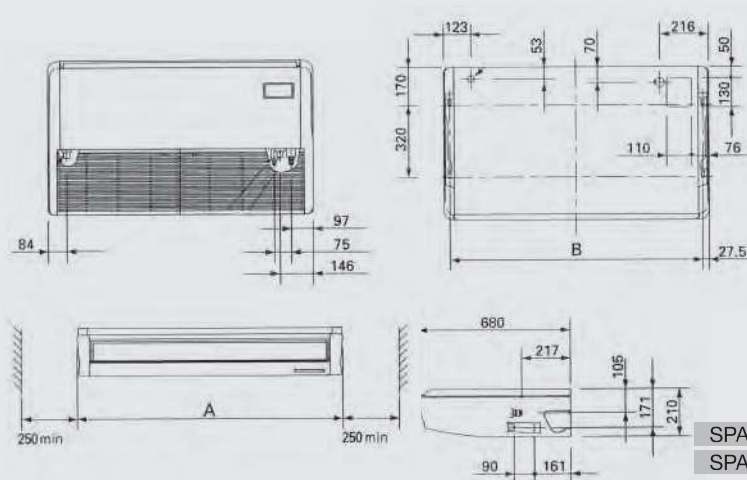
| PRODUCT NAME                        |           | DSAFM 485 R5I     |         |
|-------------------------------------|-----------|-------------------|---------|
| Features                            | Units     | Cooling           | Heating |
| Cooling/Heating capacity            | kW        | 14,00             | 16,00   |
|                                     | BTU/h     | 47.740            | 54.560  |
|                                     | kcal/h    | 12.040            | 13.760  |
| Air flowrate Indoor (h.m.l.)        | m³/h      | 1.980-1.560-1.320 |         |
| Dehumidification                    | l/h       | 6,6               |         |
| External static pressure (min-max)  | mm W.G.   | 8-11,5            |         |
| Fan speeds                          | n°        | 3 + Auto          |         |
| Sound power Indoor (h.m.l.)         | dB(A)     | 49-46-42          |         |
| Sound pressure Indoor (h.m.l.)      | dB(A)     | 40-37-33          |         |
| Sound pressure Indoor at ducts exit | dB(A)     | < 20              |         |
| Power supply                        | V/Ph/Hz   | 230/1/50          |         |
| Running consumption                 | kW        | 0,325             | 0,313   |
| Refrigerant type                    |           | R410A             |         |
| Liquid pipe diameter                | mm(inch") | 9,52(3/8")        |         |
| Gas pipe diameter                   | mm(inch") | 15,88(5/8")       |         |
| Ducts diameter                      | mm        | 200               |         |
| Net weight Indoor                   | Kg        | 47                |         |
| Net dimension Indoor (H./W./D.)     | mm        | 310x1.480x630     |         |

## MINI VRF &amp; VRF DCI INDOOR UNITS

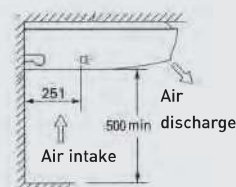


## SPAFM 255-365-485

- Underceiling indoor unit for Mini Multiset and Multiset V.R.F. DC Inverter systems
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- New three-speed centrifugal fan by remote control, granting a better and low noise air diffusion
- Horizontal flap swinging or to be set on a fixed position by remote control
- Vertical flap by manual control
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor



The back of the interior unit can be installed at right angles with the wall



|               | A (mm) | B (mm) | Weight (kg) |
|---------------|--------|--------|-------------|
| SPAFM 255     | 1 180  | 1 125  | 25          |
| SPAFM 365/485 | 1 595  | 1 540  | 33/35       |

| PRODUCT NAME                    |                   | SPA FM 255 R5I |         |
|---------------------------------|-------------------|----------------|---------|
| Features                        | Units             | Cooling        | Heating |
| Cooling/Heating capacity        | kW                | 7,3            | 8,0     |
|                                 | BTU/h             | 24.890         | 27.280  |
|                                 | kcal/h            | 6.280          | 6.880   |
| Air flowrate Indoor (h.m.l.)    | m <sup>3</sup> /h | 1.098-900-840  |         |
| Dehumidification                | l/h               | 3,0            |         |
| Fan speeds                      | n°                | 3 + Auto       |         |
| Sound pressure Indoor (h.m.l.)  | dB(A)             | 38-36-33       |         |
| Sound power Indoor (h.m.l.)     | dB(A)             | 49-47-44       |         |
| Power supply                    | V/Ph/Hz           | 230/1/50       |         |
| Running consumption             | kW                | 0,043          | 0,042   |
| Refrigerant type                |                   | R410A          |         |
| Liquid pipe diameter            | mm(inch")         | 9,52(3/8")     |         |
| Gas pipe diameter               | mm(inch")         | 15,88(5/8")    |         |
| Net weight Indoor               | Kg                | 25,0           |         |
| Net dimension Indoor (H./W./D.) | mm                | 210x1.180x680  |         |

| PRODUCT NAME                    |                   | SPA FM 365 R5I    |         |
|---------------------------------|-------------------|-------------------|---------|
| Features                        | Units             | Cooling           | Heating |
| Cooling/Heating capacity        | kW                | 10,6              | 11,4    |
|                                 | BTU/h             | 36.140            | 38.880  |
|                                 | kcal/h            | 9.120             | 9.800   |
| Air flowrate Indoor (h.m.l.)    | m <sup>3</sup> /h | 1.650-1.380-1.200 |         |
| Dehumidification                | l/h               | 3,9               |         |
| Fan speeds                      | n°                | 3 + Auto          |         |
| Sound pressure Indoor (h.m.l.)  | dB(A)             | 41-38-35          |         |
| Sound power Indoor (h.m.l.)     | dB(A)             | 52-49-46          |         |
| Power supply                    | V/Ph/Hz           | 230/1/50          |         |
| Running consumption             | kW                | 0,074             | 0,073   |
| Refrigerant type                |                   | R410A             |         |
| Liquid pipe diameter            | mm(inch")         | 9,52(3/8")        |         |
| Gas pipe diameter               | mm(inch")         | 15,88(5/8")       |         |
| Net weight Indoor               | Kg                | 33                |         |
| Net dimension Indoor (H./W./D.) | mm                | 210x1.595x680     |         |

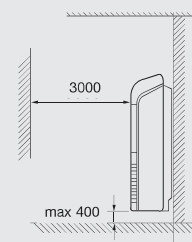
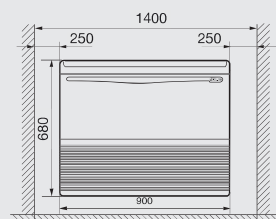
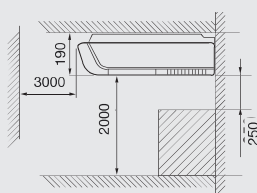
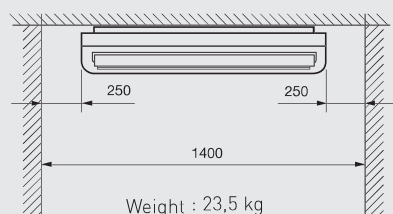
| PRODUCT NAME                    |                   | SPA FM 485 R5I    |         |
|---------------------------------|-------------------|-------------------|---------|
| Features                        | Units             | Cooling           | Heating |
| Cooling/Heating capacity        | kW                | 14,00             | 16,00   |
|                                 | BTU/h             | 47.740            | 54.560  |
|                                 | kcal/h            | 12.040            | 13.760  |
| Air flowrate Indoor (h.m.l.)    | m <sup>3</sup> /h | 1.800-1.560-1.320 |         |
| Dehumidification                | l/h               | 5,6               |         |
| Fan speeds                      | n°                | 3 + Auto          |         |
| Sound pressure Indoor (h.m.l.)  | dB(A)             | 43-40-37          |         |
| Sound power Indoor (h.m.l.)     | dB(A)             | 54-51-48          |         |
| Power supply                    | V/Ph/Hz           | 230/1/50          |         |
| Running consumption             | kW                | 0,086             | 0,085   |
| Refrigerant type                |                   | R410A             |         |
| Liquid pipe diameter            | mm(inch")         | 9,52(3/8")        |         |
| Gas pipe diameter               | mm(inch")         | 15,88(5/8")       |         |
| Net weight Indoor               | Kg                | 33,0              |         |
| Net dimension Indoor (H./W./D.) | mm                | 210x1.595x680     |         |

## MINI VRF &amp; VRF DCI INDOOR UNITS



## KPAFM 75-95-125-165-185-225

- Floor/ceiling indoor unit for Mini Multiset and Multiset V.R.F. DC Inverter systems
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- New three-speed centrifugal fan by remote control, granting a better and low noise air diffusion
- Horizontal flap swinging or to be set on a fixed position by remote control
- Vertical flap by manual control
- Washable air filter
- Optional active carbon filters
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor



dimensions in mm

| PRODUCT NAME                           |           | KPAFM75R5I  |         | KPAFM95R5I  |         |
|----------------------------------------|-----------|-------------|---------|-------------|---------|
| Features                               | Units     | Cooling     | Heating | Cooling     | Heating |
| Cooling/Heating capacity               | kW        | 2,20        | 2,50    | 2,80        | 3,20    |
|                                        | BTU/h     | 7,500       | 8,520   | 9,550       | 10,920  |
|                                        | kcal/h    | 1,890       | 2,150   | 2,410       | 2,750   |
| Air flowrate Indoor (h.m.l.)           | m³/h      | 700-590-500 |         | 700-590-500 |         |
| Dehumidification                       | l/h       | 1,0         |         | 1,2         |         |
| Fan speeds                             | n°        | 3 + Auto    |         | 3 + Auto    |         |
| Sound pressure Indoor (h.-m.-l.) at 2m | dB(A)     | 47-43-38    |         | 47-43-38    |         |
| Sound power Indoor (h.-m.-l.)          | dB(A)     | 55-51-46    |         | 55-51-46    |         |
| Power supply                           | V/Ph/Hz   | 230/1/50    |         | 230/1/50    |         |
| Running consumption                    | kW        | 0,065       | 0,065   | 0,065       | 0,065   |
| Refrigerant type                       |           | R410A       |         | R410A       |         |
| Liquid pipe diameter                   | mm(inch") | 6,35(1/4")  |         | 6,35(1/4")  |         |
| Gas pipe diameter                      | mm(inch") | 12,70(1/2") |         | 12,70(1/2") |         |
| Net weight Indoor                      | Kg        | 23,5        |         | 23,5        |         |
| Net dimension Indoor (H./W./D.)        | mm        | 680x900x190 |         | 680x900x190 |         |

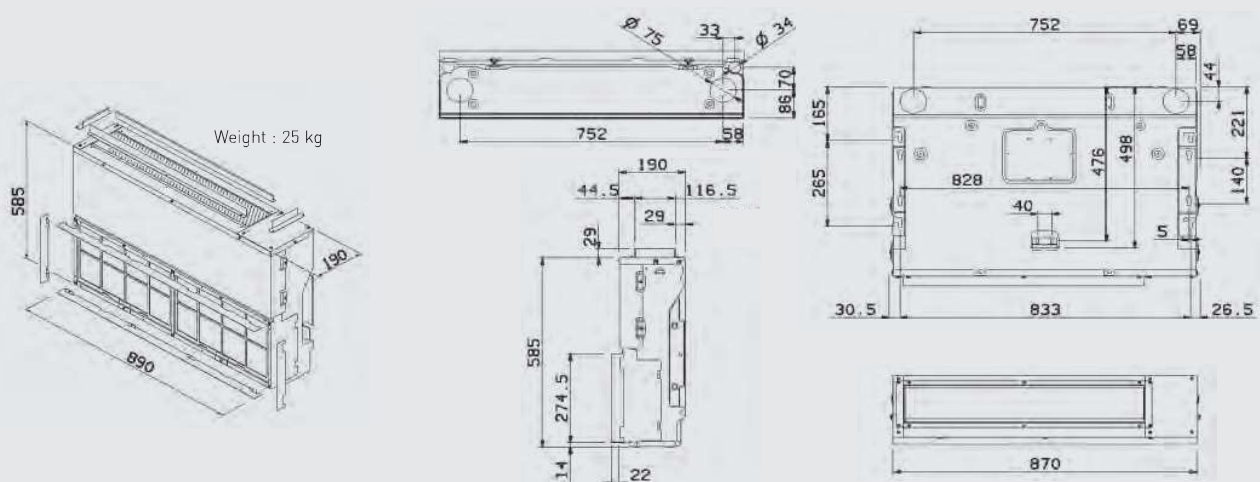
| PRODUCT NAME                           |           | KPAFM125R5I |         | KPAFM165R5I |         |
|----------------------------------------|-----------|-------------|---------|-------------|---------|
| Features                               | Units     | Cooling     | Heating | Cooling     | Heating |
| Cooling/Heating capacity               | kW        | 3,60        | 4,20    | 4,70        | 5,20    |
|                                        | BTU/h     | 12,280      | 14,320  | 16,020      | 17,740  |
|                                        | kcal/h    | 3,100       | 3,610   | 4,040       | 4,470   |
| Air flowrate Indoor (h.m.l.)           | m³/h      | 700-590-500 |         | 830-760-665 |         |
| Dehumidification                       | l/h       | 1,3         |         | 2,3         |         |
| Fan speeds                             | n°        | 3 + Auto    |         | 3 + Auto    |         |
| Sound pressure Indoor (h.-m.-l.) at 2m | dB(A)     | 47-43-38    |         | 52-49-46    |         |
| Sound power Indoor (h.-m.-l.)          | dB(A)     | 55-51-46    |         | 60-57-54    |         |
| Power supply                           | V/Ph/Hz   | 230/1/50    |         | 230/1/50    |         |
| Running consumption                    | kW        | 0,065       | 0,065   | 0,088       | 0,088   |
| Refrigerant type                       |           | R410A       |         | R410A       |         |
| Liquid pipe diameter                   | mm(inch") | 6,35(1/4")  |         | 6,35(1/4")  |         |
| Gas pipe diameter                      | mm(inch") | 12,70(1/2") |         | 12,70(1/2") |         |
| Net weight Indoor                      | Kg        | 23,5        |         | 23,5        |         |
| Net dimension Indoor (H./W./D.)        | mm        | 680x900x190 |         | 680x900x190 |         |

| PRODUCT NAME                           |           | KPAFM185R5I |         | KPAFM225R5I |         |
|----------------------------------------|-----------|-------------|---------|-------------|---------|
| Features                               | Units     | Cooling     | Heating | Cooling     | Heating |
| Cooling/Heating capacity               | kW        | 5,60        | 6,30    | 6,40        | 7,00    |
|                                        | BTU/h     | 19,100      | 21,480  | 21,850      | 23,870  |
|                                        | kcal/h    | 4,820       | 5,420   | 5,500       | 6,020   |
| Air flowrate Indoor (h.m.l.)           | m³/h      | 830-760-665 |         | 830-760-665 |         |
| Dehumidification                       | l/h       | 2,3         |         | 2,3         |         |
| Fan speeds                             | n°        | 3 + Auto    |         | 3 + Auto    |         |
| Sound pressure Indoor (h.-m.-l.) at 2m | dB(A)     | 52-49-46    |         | 52-49-46    |         |
| Sound power Indoor (h.-m.-l.)          | dB(A)     | 60-57-54    |         | 60-57-54    |         |
| Power supply                           | V/Ph/Hz   | 230/1/50    |         | 230/1/50    |         |
| Running consumption                    | kW        | 0,088       | 0,088   | 0,088       | 0,088   |
| Refrigerant type                       |           | R410A       |         | R410A       |         |
| Liquid pipe diameter                   | mm(inch") | 6,35(1/4")  |         | 9,52(3/8")  |         |
| Gas pipe diameter                      | mm(inch") | 12,70(1/2") |         | 15,88(5/8") |         |
| Net weight Indoor                      | Kg        | 23,5        |         | 23,5        |         |
| Net dimension Indoor (H./W./D.)        | mm        | 680x900x190 |         | 680x900x190 |         |



# SDAFM 76-96-126-166-186-226

- Slim ducted indoor unit, available for floor or wall or ceiling installation, to be matched with Mini Multiset and Multiset V.R.F. DC Inverter systems
- Especially projected for hotel applications
- Automatic change-over between cooling and heating modes
- Special function during heat pump start-up and defrosting cycle to avoid cool air emission in the room
- Night set back capability
- To be managed by the wired and wireless controllers of the Multiset V.R.F. DC Inverter systems (all optional)
- "I Feel" feature and temperature sensor inside the remote control
- Dry function
- New three-speed centrifugal fan by remote control, granting a better and low noise air diffusion
- Washable air filter
- Optional active carbon filters
- Dynamic refrigerant control by DC Inverter compressor and circuit, electronic valve and fuzzy logic managed by a powerful microprocessor





| PRODUCT NAME                           |           | SDAFM 76 R5I |         | SDAFM 96 R5I |         |
|----------------------------------------|-----------|--------------|---------|--------------|---------|
| Features                               | Units     | Cooling      | Heating | Cooling      | Heating |
| Cooling/Heating capacity               | kW        | 2,20         | 2,50    | 2,80         | 3,20    |
|                                        | BTU/h     | 7.500        | 8.520   | 9.550        | 10.920  |
|                                        | kcal/h    | 1.890        | 2.150   | 2.410        | 2.750   |
| Air flowrate Indoor (h.m.l.)           | m³/h      | 470-380-340  |         | 470-380-340  |         |
| Dehumidification                       | l/h       | 1,0          |         | 1,2          |         |
| Fan speeds                             | n°        | 3 + Auto     |         | 3 + Auto     |         |
| Sound pressure Indoor (h.-m.-l.) at 2m | dB(A)     | 37-30-26     |         | 37-30-26     |         |
| Sound power Indoor (h.-m.-l.)          | dB(A)     | 45-38-34     |         | 45-38-34     |         |
| Power supply                           | V/Ph/Hz   | 230/1/50     |         | 230/1/50     |         |
| Running consumption                    | kW        | 0,037        | 0,037   | 0,037        | 0,037   |
| Refrigerant type                       |           | R410A        |         | R410A        |         |
| Liquid pipe diameter                   | mm(inch") | 6,35(1/4")   |         | 6,35(1/4")   |         |
| Gas pipe diameter                      | mm(inch") | 12,70(1/2")  |         | 12,70(1/2")  |         |
| Net weight Indoor                      | Kg        | 25           |         | 25           |         |
| Net dimension Indoor (H./W./D.)        | mm        | 585x890x190  |         | 585x890x190  |         |

| PRODUCT NAME                           |           | SDAFM 126 R5I |         | SDAFM 166 R5I |         |
|----------------------------------------|-----------|---------------|---------|---------------|---------|
| Features                               | Units     | Cooling       | Heating | Cooling       | Heating |
| Cooling/Heating capacity               | kW        | 3,60          | 4,20    | 4,70          | 5,20    |
|                                        | BTU/h     | 12.280        | 14.320  | 16.020        | 17.740  |
|                                        | kcal/h    | 3.100         | 3.610   | 4.040         | 4.470   |
| Air flowrate Indoor (h.m.l.)           | m³/h      | 470-380-340   |         | 620-540-450   |         |
| Dehumidification                       | l/h       | 1,3           |         | 2,3           |         |
| Fan speeds                             | n°        | 3 + Auto      |         | 3 + Auto      |         |
| Sound pressure Indoor (h.-m.-l.) at 2m | dB(A)     | 37-30-26      |         | 45-41-33      |         |
| Sound power Indoor (h.-m.-l.)          | dB(A)     | 45-38-34      |         | 53-49-41      |         |
| Power supply                           | V/Ph/Hz   | 230/1/50      |         | 230/1/50      |         |
| Running consumption                    | kW        | 0,037         | 0,037   | 0,065         | 0,065   |
| Refrigerant type                       |           | R410A         |         | R410A         |         |
| Liquid pipe diameter                   | mm(inch") | 6,35(1/4")    |         | 6,35(1/4")    |         |
| Gas pipe diameter                      | mm(inch") | 12,70(1/2")   |         | 12,70(1/2")   |         |
| Net weight Indoor                      | Kg        | 25            |         | 25            |         |
| Net dimension Indoor (H./W./D.)        | mm        | 585x890x190   |         | 585x890x190   |         |

SDAFM 76 R5I

SDAFM 96 R5I

| PRODUCT NAME                           |           | SDAFM 186 R5I |         | SDAFM 226 R5I |         |
|----------------------------------------|-----------|---------------|---------|---------------|---------|
| Features                               | Units     | Cooling       | Heating | Cooling       | Heating |
| Cooling/Heating capacity               | kW        | 5,60          | 6,30    | 6,40          | 7,00    |
|                                        | BTU/h     | 19.100        | 21.480  | 21.850        | 23.870  |
|                                        | kcal/h    | 4.820         | 5.420   | 5.500         | 6.020   |
| Air flowrate Indoor (h.m.l.)           | m³/h      | 620-540-450   |         | 680-600-520   |         |
| Dehumidification                       | l/h       | 2,3           |         | 3,3           |         |
| Fan speeds                             | n°        | 3 + Auto      |         | 3 + Auto      |         |
| Sound pressure Indoor (h.-m.-l.) at 2m | dB(A)     | 45-41-33      |         | 49-45-40      |         |
| Sound power Indoor (h.-m.-l.)          | dB(A)     | 53-49-41      |         | 57-53-48      |         |
| Power supply                           | V/Ph/Hz   | 230/1/50      |         | 230/1/50      |         |
| Running consumption                    | kW        | 0,065         | 0,065   | 0,088         | 0,088   |
| Refrigerant type                       |           | R410A         |         | R410A         |         |
| Liquid pipe diameter                   | mm(inch") | 6,35(1/4")    |         | 9,52(3/8")    |         |
| Gas pipe diameter                      | mm(inch") | 12,70(1/2")   |         | 15,88(5/8")   |         |
| Net weight Indoor                      | Kg        | 25            |         | 25            |         |
| Net dimension Indoor (H./W./D.)        | mm        | 585x890x190   |         | 585x890x190   |         |

# CONTROLS AND ACCESSORIES

Infrared remote controller to be used with high-wall indoor units



Schedule timer able to manage up to 64 indoor units with customized programming of all features, on/off cycles, etc.



Infrared remote controller to be used with cassette and floor/ceiling indoor units



System controller to be used to manage only on/off cycles for a system up to 16 groups / 64 indoor units, to be used in matching with other controllers (remote controllers, system controllers, etc.)



Infrared remote controller to be used with underceiling indoor units



System controller to be used to manage and program a system up to 16 groups / 64 indoor units, with or without remote controllers; it can be matched with schedule timer and intelligent controller



Infrared remote controller to be used, in matching with a special infrared receiver, with the full range of indoor units; it shows the operation status of the air-conditioner



Interface PLC for outdoor units: can control up to 4 outdoor units. Required for "Demand" control, typical of 3-way systems



Standard wired remote controller with full features control, self-diagnostic and centralized programming capabilities



New standard wired remote controller equipped with weekly timer, characterized by full features control, selfdiagnostic and centralized programming capabilities.



Simplified wired remote controller to be used with the full range of indoor units; it controls all the main features



New Touch Screen Intelligent Controller for WEB: to be used to manage and program a system up to 256 indoor units, organized in 4 groups of 64 units each, also without wired controllers; it can be matched with the schedule timer and in case of three/four-group installations it must be connected with the communication adapter on the outdoor unit. User friendly touch screen operation. Web browser: it allows to control VRF system by its own PC at home using an Internet connection with a LAN cable.



Remote sensor to be used with the full range of indoor units to detect the room temperature when no remote controller sensor or body sensor is used: suggested for air-conditioner systems without remote controller

