

**AIR CONDITIONING**

**Range**

**INDUSTRIAL**

# ROOFTOP

## Units

 Cooling only

 Heat pump

 Electric Heating  
(accessory)



**Airwell**  
**Air Conditioning**

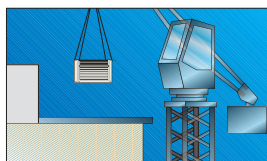
# ROOFTOP Units



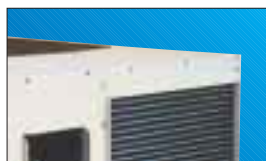
**HA/HARC MODELS**

These rooftop units feature a compact size, making them fast and easy to install. They are available in six cooling only models and six heat pump models. These units are specially designed for cost-effective air conditioning and heating. The installation can be extended later for a moderate cost.

**SIMPLE AND EASY TO INSTALL BY CRANE.**



**CLADDING AND PROTECTION DESIGNED FOR OUTDOOR INSTALLATION WITHOUT ADDITIONAL REQUIREMENTS.**



**FOR INSTALLATION OUTDOORS ON THE GROUND OR ROOF WITHOUT REQUIRING A TECHNICAL ROOM.**



**APPLICATIONS**



Cooling Only



Heat Pump

Electric Heating



## ADVANTAGES

1

These one-piece appliances are very easy to install outdoors on the roof or ground without requiring a technical room. It is however recommended to install air distribution ducts.

2

The appliances are supplied completely equipped and ready to operate, with refrigerant charge. They ensure cooling and the heat pump models also provide heating.

Six cooling only and six heat pump models are available to cover all the needs of service, trade and industry applications at the lowest cost. Electric heaters and filtration are available in accessories.

3

The low fan speed and soundproofing of these appliances guarantees silent operation.

4

**THE ENTIRE UNIT IS CONTROLLED BY AN ELECTRONIC CIRCUIT BOARD WHICH PROVIDES SYSTEM OPERATION AND MANAGEMENT.**

**WIRED REMOTE CONTROL WITH LIQUID CRYSTAL DISPLAY:**

- HEATING - COOLING AND AUTOMATIC OPERATION SWITCH.
- ROOM TEMPERATURE SETTING.
- LOCAL OR REMOTE NIGHT SLOW-DOWN SETTING.
- AUTOMATIC RESTARTING AFTER POWER CUTS.



WALL MOUNTED REMOTE CONTROL AVAILABLE AS AN ACCESSORY: HARD WIRED. POSSIBILITY OF CONTROLLING 4 INDOOR UNITS.

## Dimensions (in mm) and weight

Net weight:

HA 35 : 137 kg  
HA 35 RC : 140 kg



Net weight:

HA 43 : 197 kg  
HA 43 RC : 200 kg  
HA 50 : 207 kg  
HA 50 RC : 210 kg  
HA 60 : 213 kg  
HA 60 RC : 216 kg



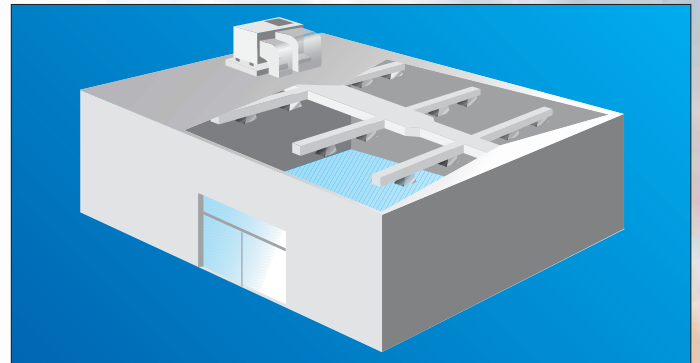
Net weight:

HA 85 : 262 kg  
HA 85 RC : 265 kg  
HA 95 : 307 kg  
HA 95 RC : 310 kg



## TYPICAL CONFIGURATION

THESE UNITS ARE ENTIRELY ASSEMBLED, CONNECTED AND TESTED IN THE FACTORY AND ARE SUPPLIED READY TO OPERATE AFTER MAKING THE ELECTRICAL AND REFRIGERANT LINE CONNECTIONS ON SITE.



## PRINCIPAL CHARACTERISTICS

- **INTELLIGENT MICROPROCESSOR CONTROL** FOR ALL COMMERCIAL AND INDUSTRIAL APPLICATIONS.
- **4 DIGIT DISPLAY** - EASY ACCESS TO ALL SYSTEM STATUS, ALARM AND SENSOR INFORMATION.
- **COMPRESSOR CONTROL** - OPTIMISED COMFORT LEVELS VIA A CONTROL ALGORITHM.
- **ENERGY SAVINGS** - ELECTRICAL HEATING ONLY USED WHEN NECESSARY (COMPRESSOR PRIORITY).
- **INTELLIGENT DEFROSTING** - ADJUSTS THE DURATION OF DEFROSTING IN ORDER TO IMPROVE COMFORT AND OPTIMISE PERFORMANCE IN ALL CIRCUMSTANCES.
- **OPEN CONTROL INPUTS** - DIFFERENT INPUTS ENABLE THE MAJORITY OF CONTROL SYSTEMS TO OPERATE THE UNIT AS WELL AS COMMUNICATION THERMOSTATS.
- **ALARMS LOG** - MEMORISES THE LAST 10 ALARMS, EVEN AFTER POWER FAILURE, FOR EASIER DIAGNOSIS AND MAINTENANCE.
- **RANDOM STARTING** - AVOIDS SIMULTANEOUS START UP OF SEVERAL UNITS AFTER AN INTERRUPTION IN THE POWER SUPPLY.
- **TEST MODE** - SIMPLE, ONE TOUCH CONTROL FOR TESTING ALL OPERATING MODES.
- **ALARM OUTPUT** - DRY CONTACT FOR REMOTE SUPERVISION.



# TECHNICAL SPECIFICATIONS

## HA SERIES



Cooling only models		HA 35	HA 43	HA 50	HA 60	HA 85	HA 95
<b>Cooling capacity R407C (1)</b>	<b>kW</b>	<b>10,1</b>	<b>13,5</b>	<b>16,5</b>	<b>18,9</b>	<b>22</b>	<b>27,8</b>
Power input	kW	3,75	5,8	6,6	8,4	9,6	12,1
<b>Cooling capacity R22 (1)</b>	<b>kW</b>	<b>10,1</b>	<b>13</b>	<b>14,5</b>	<b>18,3</b>	<b>23,2</b>	<b>27,9</b>
Power input	kW	3,7	5,1	6,01	7,5	9,05	10,7
<b>Air flows</b>							
Nominal	m³/h	1980	2520	3060	3600	4680	5760
Minimum / Maximum	m³/h	1585/2375	2020/3020	2450/3675	2880/4320	3745/5615	4610/6915
<b>Available static pressure</b>							
Minimum / Maximum	daPa	10/15	0/28	15/26	13/22	12/23	10/12
<b>Acoustic pressure</b>							
Indoor	dB(A)	68	70	78	71	71	72
Outdoor	dB(A)	80	82	87	83	83	83
<b>Power supply</b>							
<b>3N~400V - 50Hz</b>							
Fuse (3N~400V)	A	20	25	25	32	32	32
Compressor type		Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating
Electric heating	kW	6	9	9	12	12	12
(in duct) (3)		-	-	12	-	-	-

## HA RC SERIES



Heat pump models		HA 35 RC	HA 43 RC	HA 50 RC	HA 60 RC	HA 85 RC	HA 95 RC
<b>Heating capacity R407C (2)</b>	<b>kW</b>	<b>10,1</b>	<b>13,6</b>	<b>14,5</b>	<b>17,5</b>	<b>22,1</b>	<b>26,5</b>
Power input	kW	3,3	5,1	5,5	6,6	8,1	9,3
<b>Heating capacity R22 (2)</b>	<b>kW</b>	<b>10,4</b>	<b>12,8</b>	<b>14,8</b>	<b>18,4</b>	<b>22,2</b>	<b>28,5</b>
Power input	kW	3,3	4,2	4,3	5,9	7,6	8,5
<b>Air flows</b>							
Nominal	m³/h	1980	2520	3060	3600	4680	5760
Minimum / Maximum	m³/h	1585/2375	2020/3020	2450/3675	2880/4320	3745/5615	4610/6915
<b>Available static pressure</b>							
Minimum / Maximum	daPa	10/15	0/28	15/26	13/22	12/23	10/12
<b>Acoustic pressure</b>							
Indoor	dB(A)	68	70	78	71	71	72
Outdoor	dB(A)	80	82	87	83	83	83
<b>Power supply</b>							
<b>3N~400V - 50Hz</b>							
Fuse (3N~400V)	A	20	25	25	32	32	32
Compressor type		Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating
Electric heating	kW	6	9	9	12	12	12
(in duct) (3)		-	-	12	-	-	-

All values are specified for a 3N~400V supply voltage. Refrigerant R407C and R22 (R22 datas in yellow).

(1) Nominal cooling capacity: International conditions: 27°C/19°C (wet bulb) - outside air temperature 35°C/24°C (wet bulb) (Standards NF EN 255.2 - NF EN 814.2).

(2) Nominal heating capacity: International conditions: 20°C/12°C (wet bulb) - outside air temperature 7°C/6°C (wet bulb) (Standards NF EN 255.2 - NF EN 814.2).

(3) The electric heaters should necessarily have installed inside premises.



**ACE**  
Marketing

ACE - I bis, av. du 8 mai 1945 - Saint-Quentin-en-Yvelines  
F - 78284 Guyancourt Cedex  
Fax : +33 (0) 1 39 44 11 55 - Tel. : +33 (0) 1 39 44 78 00  
[www.airwell.com](http://www.airwell.com)



Your distributor **Airwell**

