



Hot air

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- 100 | **DYNAPAC** heat-pump fan coil **NEW**

Recommended use and operating limits available in the technical datasheets on our Internet site

MH HELICAL HOT AIR GAS UNIT HEATER

COMPACT AND AESTHETIC HEATING
SOLUTION BY DIRECT BLOWING
SUITABLE FOR BUILDINGS:

- of low height
- industrial
- shops
- tertiary
- well insulated
- new or for renovation



Technical data can be consulted on www.edibatec.com

"For over 6 years, we have been offering and installing this product for our industrial and tertiary customers. Simple in design and with high quality of manufacture, it offers a better quality/price/performance ratio. The small size of the appliances make them easy to install. "

Bruno LEPIOUFFE, S.T.I.N.C. Managing Director - Evreux



91%
combustion
efficiency

70 000
appliances sold
throughout the world

55 W/m/K
thermal conductivity
exchanger

1 050 rpm
blowing fan speed

HIGH COMBUSTION EFFICIENCY 91%
Weldless exchanger in 2 mm thick aluminised steel
LOW HEIGHT APPLIANCES
SIMPLE TO USE AND MAINTAIN

Compact and aesthetic **LOW TEMPERATURE BLOWING**
DOUBLE DEFLECTION GRILLE **SILENT RUNNING**
Respects the environment with its low **NOx level**
Time-saving installation using "bus" pilot wire for regulation

8 models from 16 to 95 kW

Multi-torch burner

4-channel horizontal tubular exchanger

2 mm thick weldless tubular exchanger in aluminised steel

Motorised fan unit 900 rpm with crescent-shaped blades
(mounted on anti-vibration pads)

Aluminium tinted front diffuser with adjustable vertical
and horizontal vents

Double gas solenoid

Automatic ignition by electrode

Ionisation probe flame control

Case in sheet steel with oven-baked epoxy paint RAL 9010

Remote resetting with control unit

APPLICATIONS

Industrial buildings | Production shop floors | Car dealers |
Storage warehouses | Sales outlets | Garden centres |
Greenhouses | Sports hall | General-purpose rooms |
Car garages

REFERENCES

Agrati | ArcelorMittal | Coca-Cola | Colas Rail | Conforama
| Dhollandia | French blood agency | Intermarché | Iveco |
Leclerc Drive | Peugeot | Wabco



MAIN COMPONENTS



- 1 Double deflection grille
- 2 Flue gas extractors
- 3 Multi-torch burner
- 4 Tubular exchanger
- 5 Blowing fan

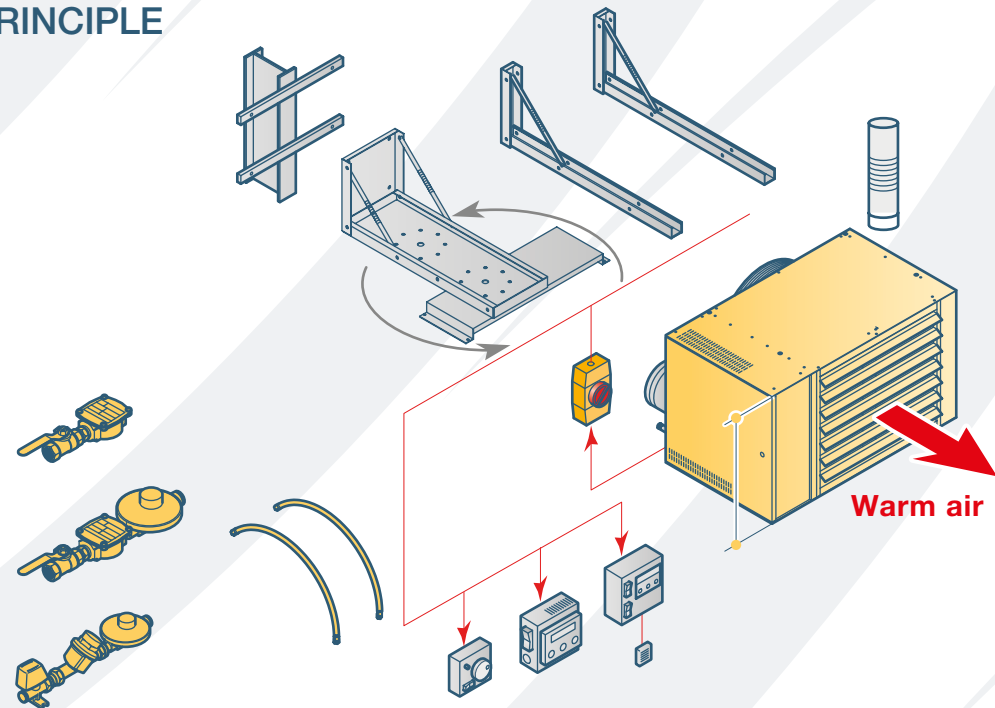


Front face view



Rear face view

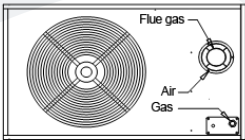
INSTALLATION PRINCIPLE



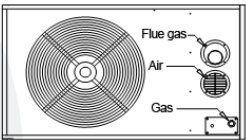
TECHNICAL SPECIFICATIONS

		MH16	MH21	MH28	MH35	MH45	MH55	MH75	MH95
Heating value LHV	kW	16	21	28	35	45	55	71	92
Output power	kW	14.5	19.5	25.5	31.5	40.5	50	64.4	84
Efficiency	%	> 91	> 91	> 91	> 91	> 91	> 91	> 91	> 91
Rotation speed	tr/mn	1 350	920	900	1 050	1 150	1 350	910	900
Air flow rate at 15°C	m³/h	1 350	1 450	2 000	2 900	4 000	4 800	5 700	8 000
Air flow rate at 50 °C	m³/h	1 500	1 625	2 250	3 250	4 450	5 400	6 400	8 950
Air delta T	°C	32	40	36	32	30	30	32	31
Air jet range	m	12	12	16	23	26	28	30	30
G20 gas flow rate	m³/h	1.69	2.22	2.96	3.7	4.76	5.82	7.4	10
G25 gas flow rate	m³/h	1.88	2.46	3.29	4.11	5.28	6.43	8.22	11.1
G31 gas flow rate	kg/h	1.25	1.64	2.18	2.73	3.51	4.3	5.46	7.4
Flue gas evacuation/air suction	mm	Concentric 80 / 125				Twin tube 100 / 150	Twin tube 130 / 200		
Electrical supply		1 x 230 V + N - 50 Hz							
Electrical power	VA	290	300	310	320	350	500	580	750
Sound level at 5 m in open space	dB _A	37	39	40	41	46	51	52	49

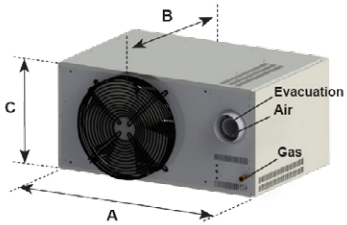
DIMENSIONS



Connection for
16/21/28/35

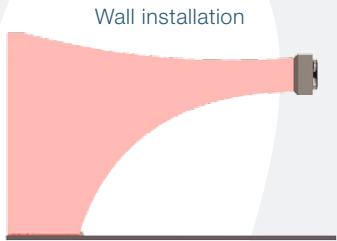


Connection for
45/55/75/95



		MH16	MH21	MH28	MH35	MH45	MH55	MH75	MH95
Width A	mm	820	1 040	1 040	1 040	1 040	1 040	1 120	1 120
Depth B	mm	790	800	820	820	820	840	840	840
Height C	mm	355	460	460	510	570	700	820	1 075
Gas diameter		1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Mass	kg	54	81	82	90	111	127	153	194

RECOMMENDED FIXING HEIGHT



		MH16	MH21	MH28	MH35	MH45	MH55	MH75	MH95
Installation		wall	wall	wall	wall	wall	wall	wall	wall
Maximum installation height	m	3 - 4	3 - 6	3 - 6	4 - 8	4 - 8	4 - 9	4 - 10	4 - 10



For more information on the **MH helical hot air gas unit heater**, scan this QR code with your smartphone or see our Internet site

MC CENTRIFUGAL HOT AIR GAS UNIT HEATER

SOLUTION FOR ALL TYPES OF BUILDING FOR:

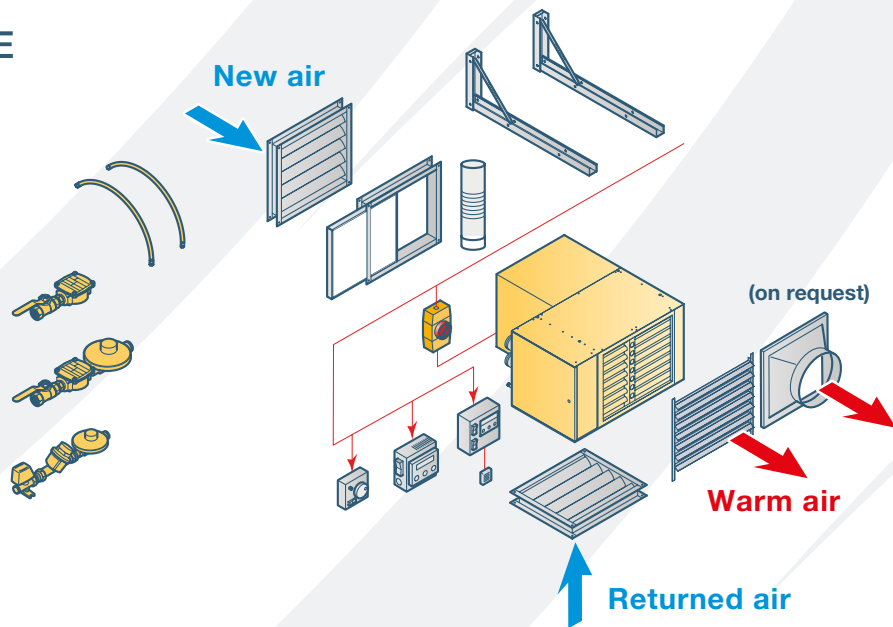
- Heating with duct network (return and/or blowing)
- New air compensation



Technical data can be consulted on www.edibatec.com



INSTALLATION PRINCIPLE



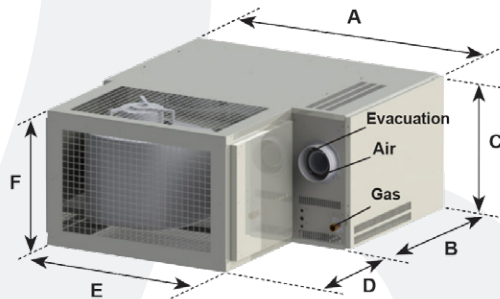
TECHNICAL SPECIFICATIONS

6 models from 19.5 to 64.4 kW
Heating elements identical to MH hot air heater
Centrifugal fan with air return box
Delivered with duct outlet frame and return box
On option: double deflection blowing grille, mixing dampers, bracket and filter



		MC21	MC28	MC35	MC45	MC55	MC75
Heating value LHV	kW	21	28	35	45	55	71
Output power	kW	19.5	25.5	31.5	40.5	50	64.4
Efficiency	%	> 91	> 91	> 91	> 91	> 91	> 91
G20 gas flow rate	m³/h	2.22	2.96	3.7	4.76	5.82	7.4
G25 gas flow rate	m³/h	2.46	3.29	4.11	5.28	6.43	8.22
G31 gas flow rate	kg/h	1.64	2.18	2.73	3.51	4.3	5.46
Air flow rate at 15°C	m³/h	1 700	2 050	2 800	3 900	4 400	5 400
Flue gas evacuation/air suction	mm	Concentric 80/125			Twin tube 100/150		Twin tube 130/200
Available pressure	Pa	120	90	135	110	135	130
Electrical supply		1 x 230 V + N - 50 Hz					
Electrical power	VA	860	900	920	1 250	1 350	1 700
Motor mechanical power	kW	0.25	0.37	0.37	0.75	0.75	1.1

DIMENSIONS



		MC21	MC28	MC35	MC45	MC55	MC75
Width A	mm	1 040	1 040	1 040	1 040	1 040	1 120
Depth B	mm	677	677	677	677	677	677
Height C & F	mm	460	460	510	570	700	820
Depth D	mm	480	480	480	580	580	580
Width E	mm	750	750	750	750	750	750
Gas diameter		1/2"	1/2"	1/2"	1/2"	1/2"	3/4"
Mass	kg	110	117	125	140	186	200



For more information on the **MC centrifugal hot air gas unit heater**, scan this QR code with your smartphone or see our Internet site

MV VERTICAL HOT AIR GAS UNIT HEATER

HEATING SOLUTION FOR ALL TYPES OF BUILDING:

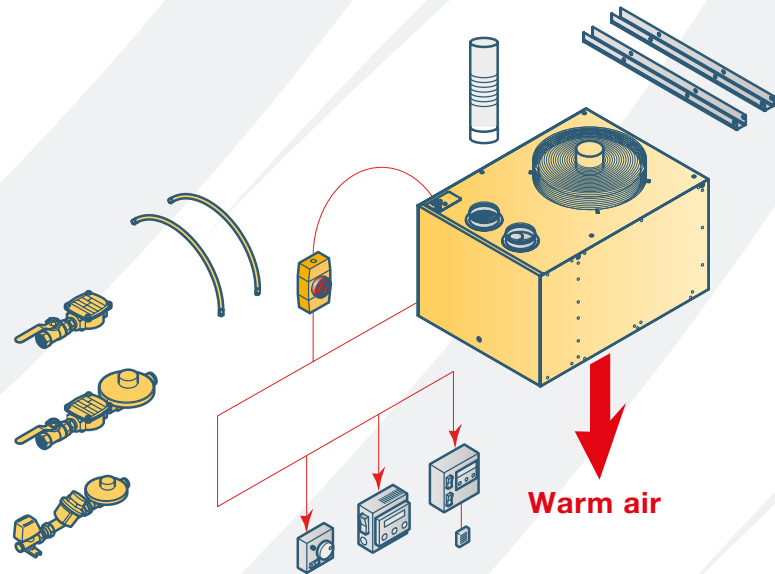
- With direct blowing in aisles
- By combining heating and destratification



Technical data can be consulted on www.edibatec.com



INSTALLATION PRINCIPLE



TECHNICAL SPECIFICATIONS

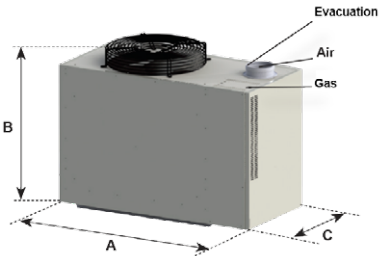
4 models from 32.5 to 84 kW
Heating elements identical to MH hot air heater
Direct blowing by vortex air flow
Power variation according to air return temperature (modulating valve from 70% to 100%)



		MV36	MV55	MV75	MV95
Heating value LHV	kW	36	55	71	92
Output power	kW	32.5	50	64.4	84
Efficiency	%	> 91	> 91	> 91	> 91
G20 gas flow rate	m³/h	3.81	5.82	7.40	10.00
G25 gas flow rate	m³/h	4.23	6.43	8.22	11.10
G31 gas flow rate	kg/h	2.81	4.30	5.46	7.40
Air flow rate at 15°C	m³/h	2 900	4 900	5 800	8 000
Air delta T	°C	33	30	32	31
Flue gas evacuation/air suction	mm	Concentric 80/125 Twin tube 130/200			
Electrical supply		1 x 230 V + N - 50 Hz			
Electrical power	VA	320	500	580	750
Sound level at 5 m in open space	dB _A	41	51	52	49

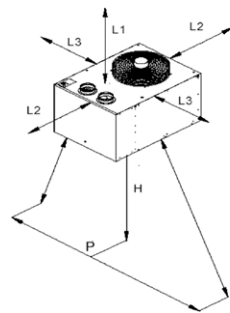
DIMENSIONS

		MV36	MV55	MV75	MV95
Width A	mm	810	1 040	1 120	1 120
Height B	mm	820	840	840	840
Depth C	mm	570	700	820	1 075
Gas diameter		1/2"	1/2"	3/4"	3/4"
Mass	kg	90	127	145	185



RECOMMENDED FIXING HEIGHT

		MV36	MV55	MV75	MV95
Reservation L1 (min)	m	0.45	0.45	0.50	0.60
Reservation L2 (min)	m	1	1	1	1
Reservation L3 (min)	m	1	1	1	1
Recommended minimum height (H)	m	4	5	6	6
Recommended maximum height (H)	m	6	8	12	12
Air jet range (P)	m	P = 20 - H	P = 25 - H	P = 28 - H	P = 30 - H



For more information on the **MV vertical hot air gas unit heater**, scan this QR code with your smartphone or see our Internet site

OPTIMUM SOLUTION FOR HEATING BUILDINGS BY DIRECT BLOWING:

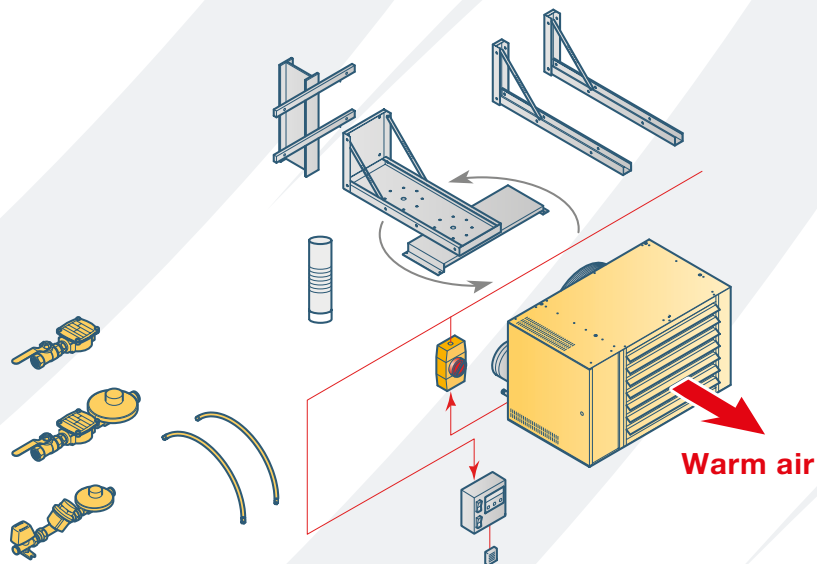
- of low height
 - industrial
 - shops
- tertiary
 - well insulated
 - new or for renovation



Technical data can be consulted on www.edibatec.com



INSTALLATION PRINCIPLE



TECHNICAL SPECIFICATIONS

7 models from 13.1 to 73.6 kW

High performance gas hot air heater composed of a multi-burner ramp, an offset exchanger and a wide-blade fan

Wide range of power modulation (30% to 100%)

High air flow rate gives excellent temperature homogeneity

Blowing temperature permanently adapted to the difference between ambient temperature/set temperature

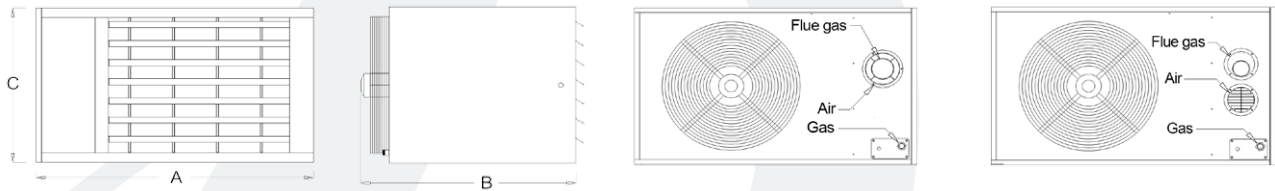
Fan runs regularly, reducing losses caused by stratification

Regulation by external and internal sensors



		AR1H	AR2H	AR3H	AR4H	AR5H	AR6H	AR8H
Heating value LHV	kW	14.2	20	27	34	50	60	80
Output power	kW	13.1	18.4	24.8	31.3	46	55.2	73.6
Efficiency	%	> 92	> 92	> 92	> 92	> 92	> 92	> 92
Rotation speed	tr/mn	1 350	920	900	1 050	1 350	910	1 350
Air flow rate at 15°C	m³/h	1 350	1 450	2 000	2 900	4 800	5 700	8 000
Air flow rate at 50 °C	m³/h	1 500	1 650	2 300	3 250	5 300	6 500	8 800
Maximum air delta T	°C	28	36	36	31	28	28	28
Air jet range	m	12	12	16	23	28	30	30
G20 gas flow rate	m³/h	1.50	2.12	2.86	3.60	5.29	6.35	8.47
G25 gas flow rate	m³/h	1.67	2.35	3.18	4.00	5.88	7.06	9.41
G31 gas flow rate	kg/h	1.11	1.56	2.11	2.66	3.91	4.69	6.25
Flue gas evacuation/air suction	mm	Concentric 80 / 125				Twin tube 130 / 200		
Power supply voltage	V	1 x 230 V + N - 50 Hz						
Electrical power	VA	290	300	310	320	500	580	750
Sound level at 5 m in open space	dB _A	37	39	40	41	51	52	49

DIMENSIONS



		AR1H	AR2H	AR3H	AR4H	AR5H	AR6H	AR8H
Width A	mm	820	1 040	1 040	1 040	1 040	1 120	1 120
Depth B	mm	790	800	820	820	840	840	840
Height C	mm	355	460	460	510	700	820	1 075
Gas diameter		1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Mass	kg	54	81	82	90	127	153	194



For more information on the **ARH helical modulating gas unit heater**, scan this QR code with your smartphone or see our Internet site

OPTIMUM SOLUTION FOR ALL TYPES OF BUILDING FOR

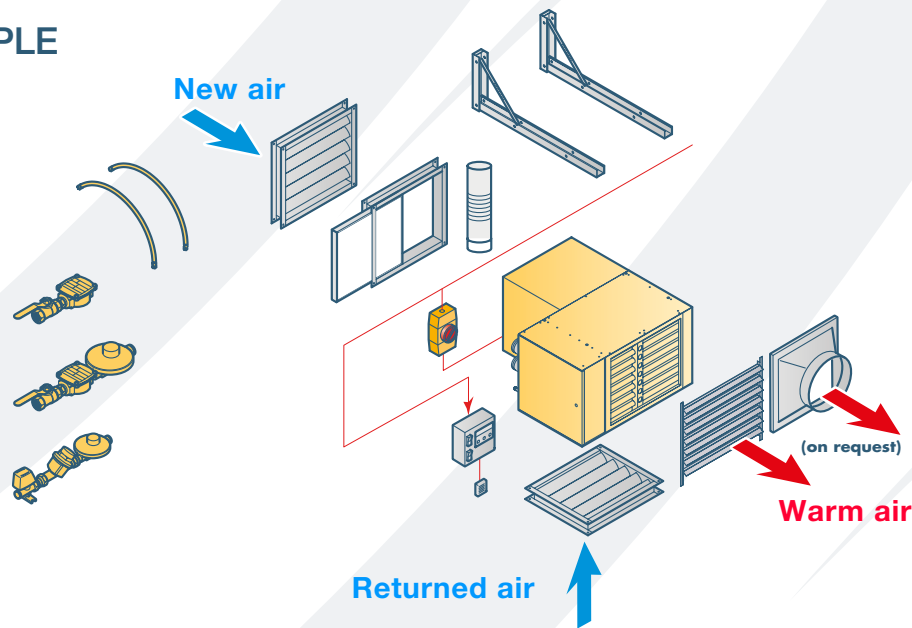
- Heating by duct network (return and/or blowing)
- New air compensation



Technical data can be consulted on www.edibatec.com



INSTALLATION PRINCIPLE



TECHNICAL SPECIFICATIONS

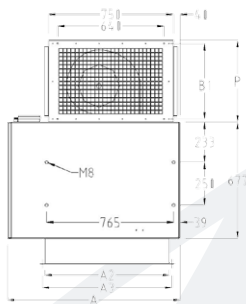
- 5 models from 18.4 to 55.2 kW
- High performance gas unit heater fitted with a centrifugal fan with return box
- Wide range of power modulation (30% to 100%)
- High air flow rate gives excellent temperature homogeneity
- Blowing temperature permanently adapted to the difference between ambient temperature/set temperature
- Fan runs regularly, reducing losses caused by stratification
- Regulation by external and internal sensors



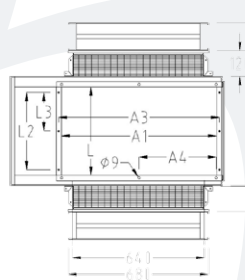
		AR2C	AR3C	AR4C	AR5C	AR6C
Heating value LHV	kW	20	27	34	50	60
Output power	kW	18.4	24.8	31.3	46	55.2
Efficiency	%	> 92	> 92	> 92	> 92	> 92
G20 gas flow rate	m³/h	2.12	2.86	3.60	5.29	6.35
G25 gas flow rate	m³/h	2.35	3.18	4.00	5.88	7.06
G31 gas flow rate	kg/h	1.56	2.11	2.66	3.91	4.69
Flue gas evacuation/air suction	mm	Concentric 80/125			Twin tube 130/200	
Electrical supply		1 x 230 V + N - 50 Hz				
Electrical power	VA	860	900	920	1 350	1 700

DIMENSIONS

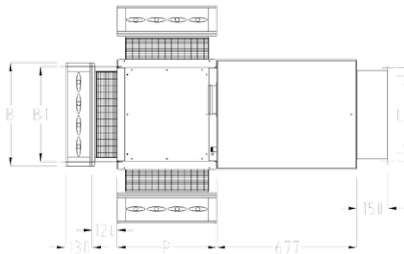
View of top



View of face



View of side



		AR2C	AR3C	AR4C	AR5C	AR6C
Width	mm	1 040	1 040	1 040	1 040	1 120
Depth	mm	1 157	1 157	1 157	1 257	1 257
Height	mm	460	460	510	700	820
Gas diameter		1/2"	1/2"	1/2"	1/2"	3/4"
Mass	kg	110	117	125	165	180



For more information on the **ARC centrifugal modulating gas unit heater**, scan the QR code with your smartphone or visit our Internet site

AC-H CONDENSING GAS UNIT HEATER

SOLUTION PARTICULARLY SUITED TO HEATING BUILDINGS:

- of low height
- industrial
- shops
- tertiary
- well insulated
- new or for renovation



Technical data can be consulted on www.edibatec.com

"My first criterion when making my choice was the quality/price ratio, since the appliance was well made with an innovatory design, and I naturally turned to the SOLARONICS AC-H. Installation was quick and easy. As soon as it was put into operation, the product's performance became evident. Our customer was reassured by the fast and silent warm-up. "

Ludovic EHRMANN, Manager of Clim & Chauff

98%

efficiency at full load

45%

gain on consumption and renovation

20 mg/kWh

NOx emission

90°C

maximum flue gas temperature

GAS SAVINGS BETWEEN 15% AND 45% RECORD combustion efficiency of 107%

CONTINUOUS MODULATION FROM 30% TO 100%

ULTRA-FAST WARM-UP TIME REDUCTION IN STRATIFICATION

No flue calculations required

ABSOLUTE SAFETY (NO FLAMES OR COMBUSTION GASES IN THE AIR FLOW)

BLOWING TEMPERATURE ADAPTED TO THE REQUIREMENTS OF THE BUILDING

Corrosion-resistant components

Shut-down on full power tolerated by damp combustion chamber and hot water heat exchanger

Size identical to MH hot air gas unit heaters

FLUE CONNECTION FROM ABOVE: IDEAL SOLUTION WHEN REPLACING APPLIANCES



*Class 5: < 50 mg/kWh

Complete pre-adjusted mini-boiler

Stainless heating body with cold door (guaranteed lifetime)

Pre-mixing modulating burner (power modulation from 30% to 100%)

Automatic air / flue gas adaptation

Permanent optimisation of power level with ECO-TEC electronic card

Aerodynamically profiled crescent-shaped fan blades

Single deflection blower grille (RAL 9006)

Case in sheet steel with oven-baked epoxy paint RAL 9003

Flue pipes in high density polypropylene (maximum flue gas temperature 90°C)

Condensate removal from the rear (1 single siphon diameter 32)

Regulation settings: Weekly timer - 2 levels of temperature setting (day and night) - Function select (Off / Automatic running / Ventilation / Forced) - burner reset

APPLICATIONS

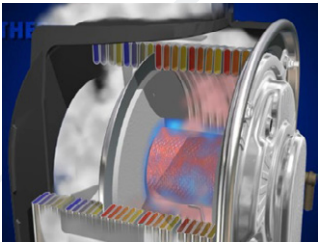
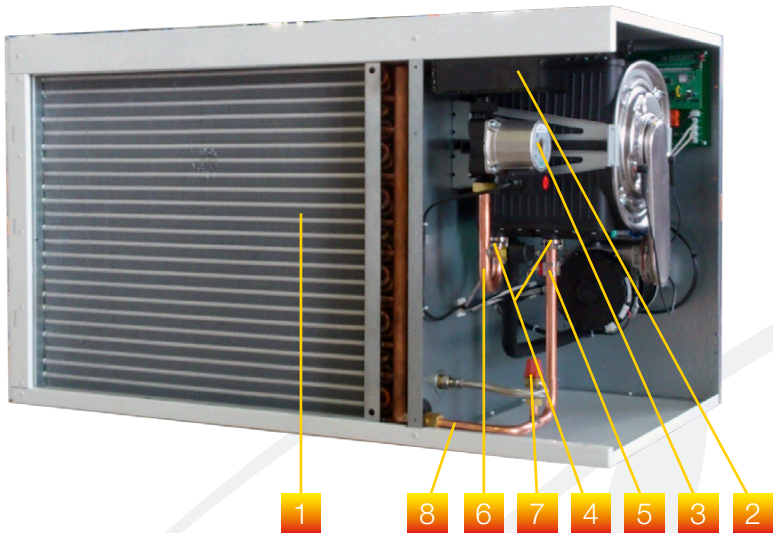
Industrial buildings | Garden centres | Greenhouses |
Sports hall | Car garages | Production shop floors |
Car dealers | Storage warehouses | Sales outlets

REFERENCES

Boa Flex | Casino | Charade motor-racing track |
Leclerc garden centre | Kent International | Metro

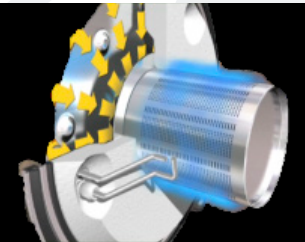


MAIN COMPONENTS



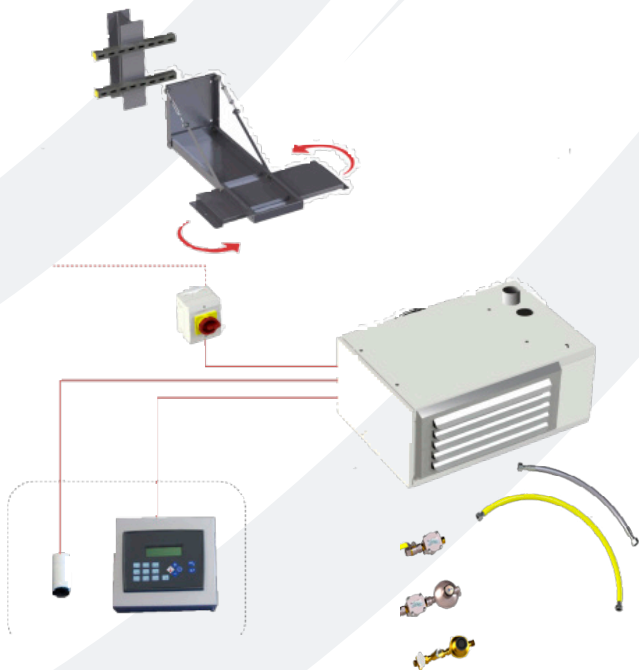
Heating body detail

- 1 Copper tube heat exchanger / aluminium fins:
 - Max. water temperature 120°C
 - Test pressure 8 bars
- 2 Expansion vessels: water with glycol -15°C
- 3 ErP circulators
- 4 Water outlet / return temperature probes
- 5 Pressure sensors
- 6 Return water
- 7 Safety valve 3 bars
- 8 Water outlet



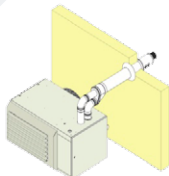
Premix burner detail

INSTALLATION PRINCIPLE

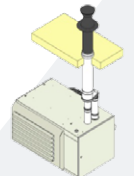


NEW FEATURES:

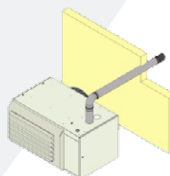
- Flue / air inlet connection from above
- Regulation connection with cable and RJ45 connectors
- Flue / air inlet in PPs:



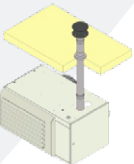
Wall vent C13



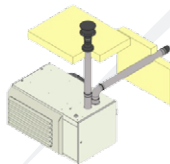
Roof vent C33



Flue gas forced flow wall B23



Flue gas forced flow roof B23

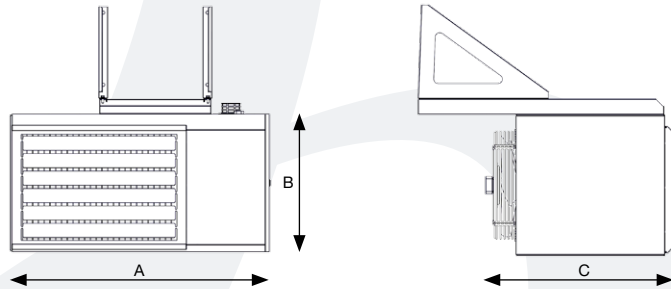


Flue gas roof / air wall C53

TECHNICAL SPECIFICATIONS

		ERP & INDUSTRY		INDUSTRY	
		AC-H30	AC-H40	AC-H50	AC-H70
Heating value LHV	kW	27	36	45	63
Rated power	kW	26.2	34.9	44.1	61.7
Efficiency at full load	%	98			
Efficiency at minimum load	%	108			
Air flow rate at 15°C	m³/h	2 700	3 450	4 600	5 500
ΔT air ranges	°C	9 - 29	10 - 30	9 - 28	10 - 33
NOx		Class 5			
G20 gas flow rate	m³/h	2.86	3.82	4.77	6.68
G25 gas flow rate	m³/h	3.18	4.21	5.26	7.37
G31 propane flow rate	kg/h	2.11	2.81	3.51	4.91
Gas diameter		1/2"			
Flue gas temperature	°C	50 - 90	50 - 90	50 - 90	50 - 90
Condensate flow rate	l	1.8	2.4	2.9	5.2
Condensate connection diameter	mm	32			
Electrical supply		1 x 230 V + N - 50 Hz			
Electrical power	W	310	310	640	730
Volume of circuit (water with glycol - 15°C)	l	6.6	7.2	9.2	11.2

DIMENSIONS



		AC-H30	AC-H40	AC-H50	AC-H70
Width A	mm	1 080	1 080	1 192	1 277
Height B	mm	570	624	674	774
Depth C	mm	765	765	842	842
Mass	kg	88	99	110	135



For more information on the **AC-H condensing gas unit heater**, scan this QR code with your smartphone or see our Internet site

GAS HEATING AND COOLING SOLUTION FOR BUILDINGS:

- industrial
- shops
- tertiary
- new or for renovation



"With the old heating system, there was not the same feeling of warmth everywhere; we were looking for better heating performance. We also wanted a summer cooling system: temperatures could reach up to 45°C on the shop floor, affecting personnel and machine-tools.

Originally, we planned on having two electric heat pumps with ducted air distribution, but with their installation complexity and for budgetary reasons, we decided on the Hot-Cold Minigas. At first I opposed a blower system, but the air flow is less perceptible here than in the old systems and the system runs more quietly. For the first time, the year went well, both in terms of the comfort of the personnel and on production, and a limited investment was needed. "

Yves Duc, Industrial Manager of Samputensili France



35 kW
heating power

17 kW
cooling power

5 400 m³/h
air flow rate

94%
combustion
efficiency

ALTERNATIVE TO ROOF TOPS AND TO SPLITS **DUAL ENERGY**

COMBINATION OF THE BEST DECENTRALISED TECHNIQUES

ENERGY SAVING EASY, TROUBLE-FREE INSTALLATION

Weldless tubular exchanger

COMBUSTION EFFICIENCY GREATER THAN 94%

High air flow rate (homogeneous temperature)

Long life time through the alternate use of 2 appliances



Innovatory adaptation of direct expansion air conditioning on a hot air gas unit heater

Heating module composed of a helical hot air gas unit heater

Cooling module composed of an evaporator mounted behind the hot air heater and an air condensation unit installed outside the building

Compact indoor unit (can be installed under ceiling)

Heating power adapted to ERP regulations (35 kW)

Direct blowing with 2 helical fans

Regulation by pilot wire

Sanyo Scroll type hermetic compressor

Refrigeration fluid R410A



APPLICATIONS

Production shop floors | Car dealers | Sales outlets |
Reception halls | General purpose rooms | Exhibition rooms

REFERENCES

ALPOL Cosmetics | BMW | Chauss'expo | ErDF |
Ford | KIA | Peugeot | Renault | Samputensili | Styl'eco

MAIN COMPONENTS

1

2

3

4

5

1

2

3

4

5

1 Direct expansion exchanger (evaporator)

2 Outdoor cooling only units

3 Helical hot air gas unit heater

4 Natural gas or propane connection

5 Refrigeration connection (gas R410A)

Front view of the indoor unit
(Gas hot air heater + direct expansion exchanger)

Rear view of the indoor unit

Rear view of the hot air gas heater
(without exchanger)

INSTALLATION PRINCIPLE

	Heating	Air conditioning	Heating & Air conditioning
Indoor unit	 + Helical hot air gas unit heater	 - Evaporator	 Reversible gas unit + -
Outdoor unit		 Air condensation unit	
Energy	Natural gas / Propane	Electricity	Gas/Electricity
	<ul style="list-style-type: none">• Heating 35 kW• Flow rate 5 400 m³/h• Mass 138 kg	<ul style="list-style-type: none">• Cooling 17 kW• Fluid R410A• Mass 112 kg	

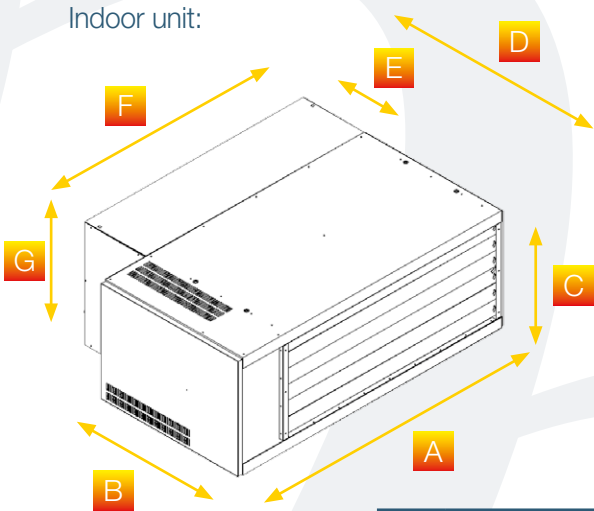
TECHNICAL SPECIFICATIONS

HEATING MODULE		
Heating value	kW	37.2
Output power	kW	34.9
G20 gas flow rate	m³/h	3.94
G25 gas flow rate	m³/h	4.35
G31 gas flow rate	kg/h	2.91
Air flow rate at 15°C	m³/h	5 400
Flue gas evacuation/air suction	mm	80/80
Electrical supply		1 x 230 V + N - 50 Hz
Classification		IP42
Electrical power	W	350

COOLING MODULE		
Rated refrigeration power	kW	17*
Rated power consumption	kW	6
Air flow rate	m³/h	6 000
EER cooling performance at 35°C		2.83
Sound level at 4 m in open space	dB _A	58
Energy class		C
Electrical supply		3 x 400 V + N - 50 Hz
Classification		IP24
REFRIGERATION CONNECTIONS		
Refrigerant fluid		R410A
Diameter of gas connection		3/4"
Diameter of liquid connection		1/2"
Standard length	m	7
Minimum / maximum length	m	5/25
Maximum slope	m	15
Nominal load (standard length)	kg	4
Additional load	g/m	80
Ø condensate connection (indoor unit)	mm	14
Functioning range	°C	17/45

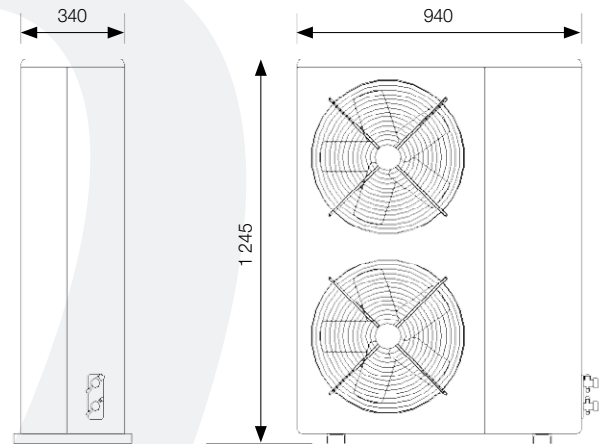
* Outside air temperature at 35°C dry bulb, and indoor air temperature at 27°C dry bulb

DIMENSIONS



AEROTHERME GAZ M37H	
A	1 310 mm
B	675 mm
C	510 mm
D	1 030 mm
E	355 mm
F	1 080 mm
G	540 mm

Outdoor unit**:



**Dimensions in mm



For more information on the **MCF reversible gas unit**, scan this QR code with your smartphone or see our Internet site

CHIMNEYS GAS UNIT HEATERS & GAS AIR CURTAINS

Our flue kits have been developed with our partners specialising in the manufacture of flue systems for gas appliances in aluminium, stainless steel or polypropylene.

Our flue systems ensure compatibility with regulations. Simple and comprehensive documentation for preparing the installation site.

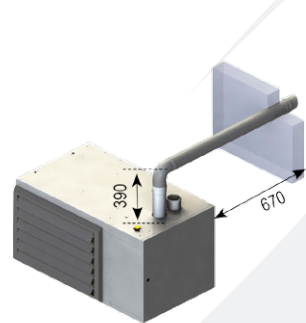


Ducting connections: for a perfect seal, the joint must cover the male ducting
Use lubricant when fitting (soapy water or silicone grease)

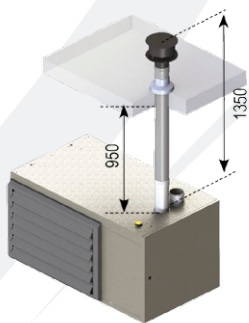
TYPE B CONNECTION

Combustion air suction inside the building and flue gas evacuation outside the building

FLUE KIT B23
AC-H

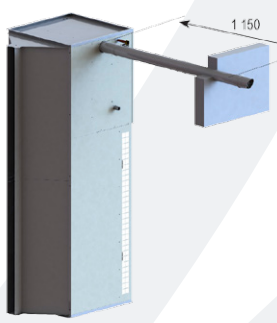


Flue kit B23H



Flue kit B23V

MRX

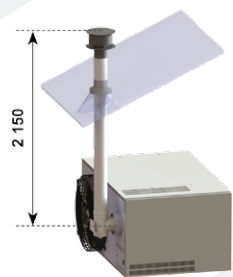


Flue kit B23H

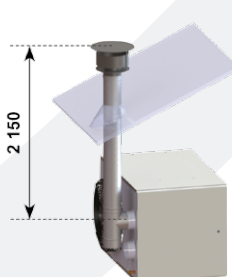


Flue kit B23V

FLUE KIT B22
MH & ARH

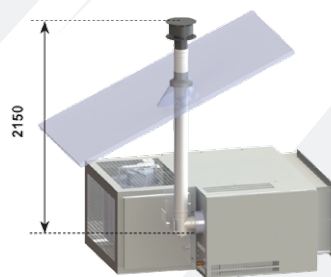


Models 16 to 35

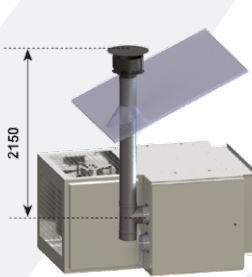


Models 45 to 95

MC & ARC



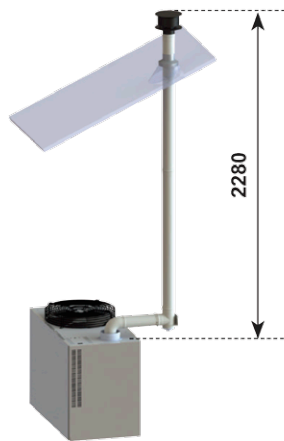
Models 16 to 35



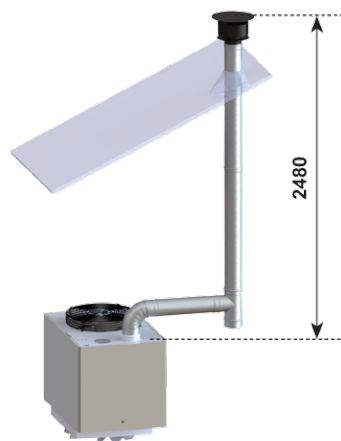
Models 45 to 75

The kits are delivered with 2 lengths of 1m of mono-tube flue pipe, 1 tee with purge, 1 rain cap
Maximum flue length = 6 m

MV

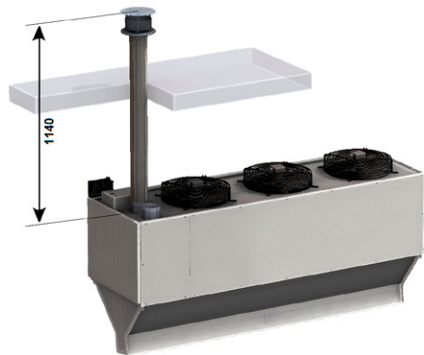


Model 36



Models 55 to 95

MRA-H



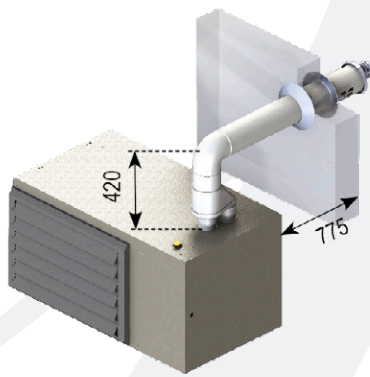
Model 45

Models MV 36 to 95: the kits are delivered with 2 lengths of 1m of mono-tube flue pipe, 1 tee with purge, 1 rain cap, 1 90° elbow, 1 length of 0.50 m
Model MRA-H 45: 1 length of 1m of mono-tube flue pipe, 1 rain cap
Maximum flue length = 6 m

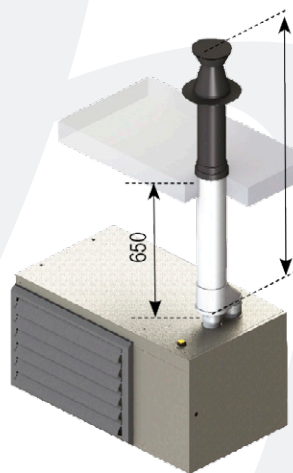
TYPE C CONNECTION

Combustion air suction and flue gas evacuation outside the building

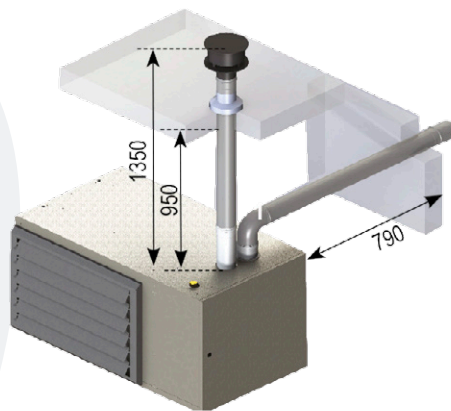
AC-H



C13 balanced flue kit



C33 balanced flue kit



C53 balanced flue kit

C12 BALANCED FLUE KIT

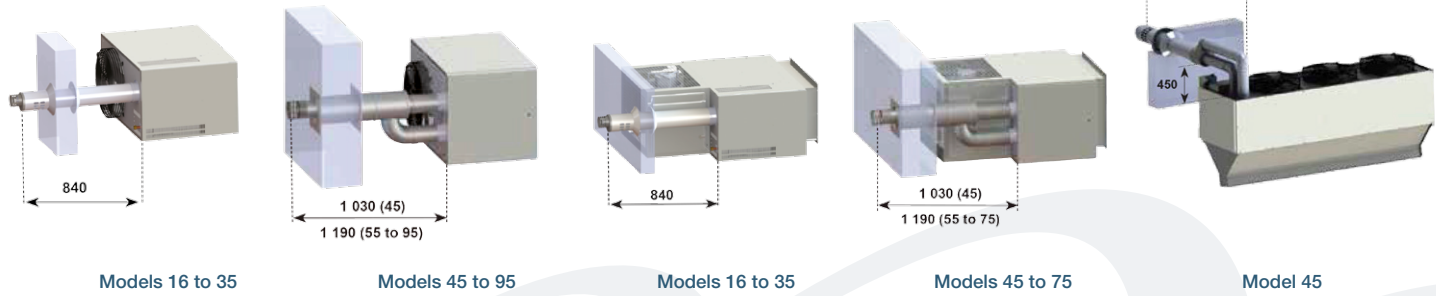
MH & ARH

MC & ARC

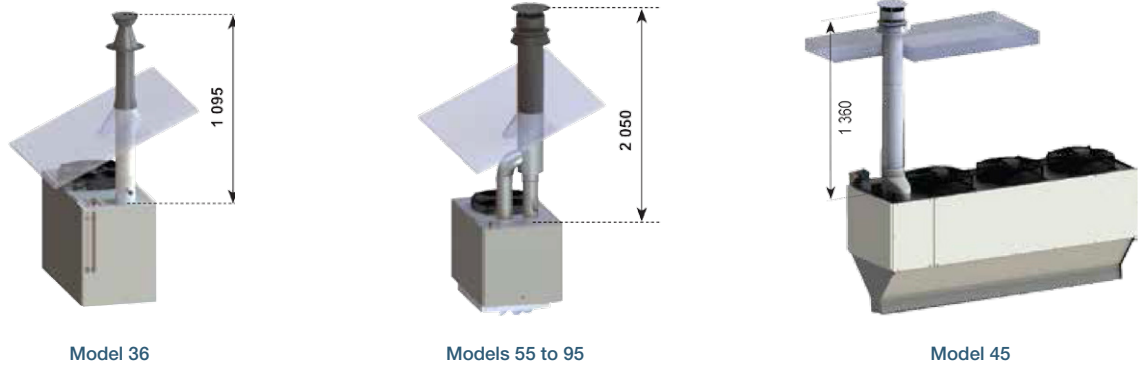
MRA-H

MV

MRA-H



Models 16 to 35: Horizontal terminal diameter 80/125 concentric
Models 45: Horizontal terminal diameter 100/150 twin tube + 2 flue pipes diameter 100 length 0.25 m
Models 55 to 95: Horizontal terminal diameter 130/200 twin tube + 2 flue pipes diameter 130 length 0.25 m
Maximum flue length = 6 m

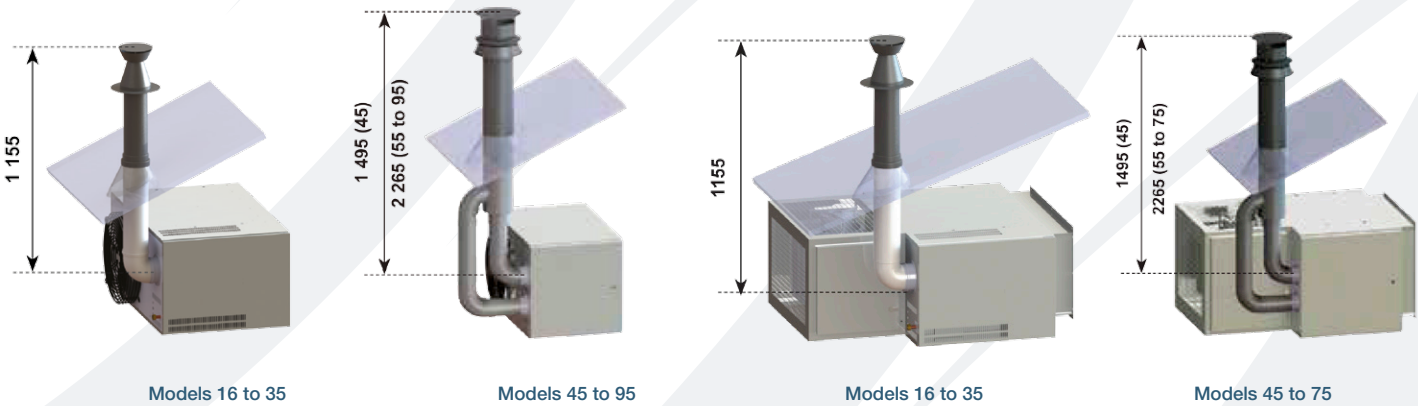


Model 36: Vertical terminal diameter 80/125 concentric + condensate collector
Models 55 to 95: Vertical terminal diameter 130/200 twin tube + condensate collector + 2 mono tube flue pipes diameter 130 length 0.25 m
Maximum flue length = 6 m

C32 BALANCED FLUE KIT

MH & ARH

MC & ARC



Models 16 to 35: Vertical terminal diameter 80/125 concentric + 90° elbow twin tube diameter 80/125
Models 45: Vertical terminal diameter 100/150 twin tube + 2 90° twin tube elbows diameter 100 + 2 mono tube flue pipes diameter 100 length 0.25 m
Models 55 to 95: Vertical terminal diameter 130/200 twin tube + 2 90° twin tube elbows diameter 130 + mono tube flue pipe diameter 130 length 0.5 m
Maximum flue length = 6 m

ACCESSORIES

CONCENTRIC FLUE PIPES 80/125 AVAILABLE IN:

- Length 0.5 metres
- Length 1 metre

CONCENTRIC FLUE PIPES 80/125* AVAILABLE IN:

- 45°
- 90°

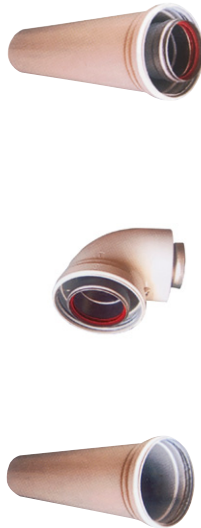
MONO TUBE FLUE PIPES AVAILABLE IN:

- Length 0.25, 0.5 and 1 metre
- Diameter 80, 100 and 130 mm

ELBOWS* AVAILABLE IN:

- 45° and 90°
- Diameter 80, 100 and 130 mm

*Equivalent elbow lengths:
1 elbow 90° = 1 m
1 elbow 45° = 0.5 m



CONTROL FOR GAS UNIT HEATERS

We offer a wide choice of regulation solutions specifically adapted to our range of gas unit heaters.

Our range is the only one to meet the “Pilot wire” requirement equipping our gas unit heaters.

We offer solutions from “basic” to “premium”.

PUSH BUTTON TIMER

- Basic solution for all gas unit heaters (except modulating and condensation appliances)
- 1 zone
- Time-lag adjustable from 30 minutes to 10 hours
- Can be associated with TM1 Thermostats and CDVTT and CRTT boxes
- Waterproof plastic case
- Surface mounting on wall



TM1 WALL THERMOSTAT

- Basic regulation solution for all gas unit heaters (except modulating and condensation appliances)
- 1 zone
- Up to 6 gas unit heaters per thermostat
- Remote resetting, without signal
- Plastic case
- Surface mounting on wall



TM2 Evo TOUCHSCREEN MULTI-SETTING THERMOSTAT WITH CLOCK

- Touchscreen regulation solution for all gas unit heaters (except modulating and condensation appliances)
- 1 zone or 2 zones
- 4 setting levels per day
- Weekly programming
- Frost protection setting
- Smart controller (optimum starting)
- Lockable screen
- Metal case
- Power 230 Volts (no batteries)
- Delivered with 1 remote ambiance probe CTN 10k (2 zones)



TM2 Evo WIFI TOUCHSCREEN MULTI-SETTING THERMOSTAT WITH CLOCK

- Features identical to TM2 Evo
- 1 zone
- WiFi communication (requires router, not supplied)
- Free smartphone application

TM2 Evo MCF TOUCHSCREEN MULTI-SETTING THERMOSTAT WITH CLOCK

- Control solution for MCF reversible gas unit
- 1 zone or 1 appliance
- 4 setting levels per day
- Weekly heating and air conditioning programming
- Frost protection setting
- Lockable screen
- Metal case
- Power 230 Volts (+ 2 batteries LR03)



CDVTT PROTECTION AND CONTROL BOX

- Basic regulation and protection solution for gas unit heaters (except modulating and condensation appliances)
- 1 zone
- Remote resetting / ventilation
- 2 setting levels
- Weekly programming
- Maximum admissible electrical power 5 700 VA
- IP55
- Provide a remote ambiance probe NTC 1k

CRTT PROTECTION AND CONTROL BOX

- Basic regulation and protection solution for gas unit heaters (except modulating and condensation appliances)
- Multi-zones
- Remote resetting
- 2 setting levels
- Weekly programming
- Frost protection setting
- Maximum admissible electrical power 5 700 VA per zone
- IP55
- Provide one ambiance probe per zone (+ 1 thermostat per box for frost protection)

MOD TT CONTROL BOX

- Control solution for modulating gas units
- Control by communicating PLC
- From 1 to 3 zones
- 2 setting levels per day, weekly programming
- Frost protection setting
- Heating run time
- Resetting from the box
- Ventilation mode forcing from the box
- Modbus open communication table
- IP55
- Delivered with 1 external probe CTN 10k
- Provide one ambiance probe NTC 1k per zone



MCF CONTROL BOX

- Control solution for MCF reversible gas unit
- 1 zone
- From 2 to 6 appliances
- 2 setting levels per day
- Weekly programming
- Frost protection setting
- Automatic or manual heating /air conditioning mode
- Functional state check for each appliance
- Remote resetting
- Lockable screen
- Metal case
- 230 Volts power supply
- Interior and exterior probes NTC 10k included

COMMUNICATING BOX

We have developed a range of standard communicating boxes for 2 or 3 zones to meet requirements for the control, management and maintenance of heating installations

- Control by communicating PLC
- 2 zone or 3 zones
- 2 setting levels per day, weekly programming
- Frost protection setting
- Electrical protection of gas unit heaters and destratification fans (2 zones)
- Summer shut-down function for destratification fans (2 zones)
- Heating run time
- Resetting from the box
- Ventilation mode forcing from the box
- Modbus open communication table
- Maximum admissible electrical power 2 300 VA per zone + 2 300 VA for destratification fans (2 zones)
- IP55
- Provide one ambiance probe NTC 1k per zone

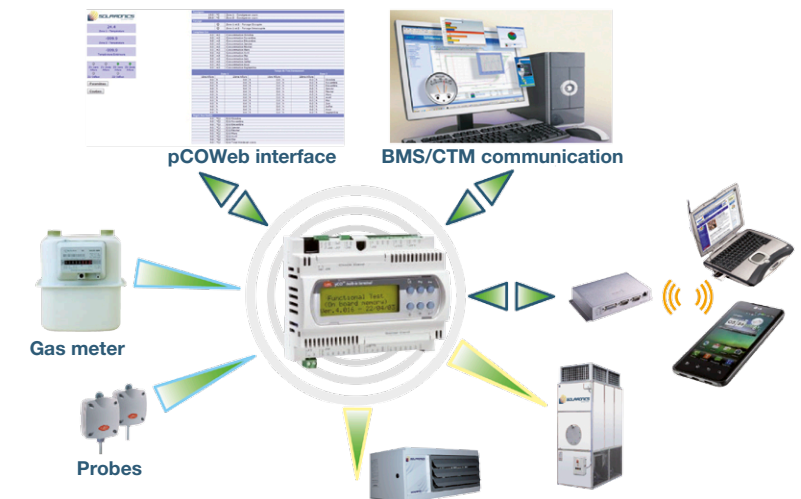
Our communicating boxes are easy to interface via a Modbus RS485 or Ethernet (TCP/IP) network or with a BMS/CTM

We offer the following communication cards:

- RS485 card: Modbus RS485 network
- pCOWeb Control card: Ethernet (TCP/IP), Modbus TCP/IP networks

For better control and reduction of your energy consumption, we offer the following functionalities on option:

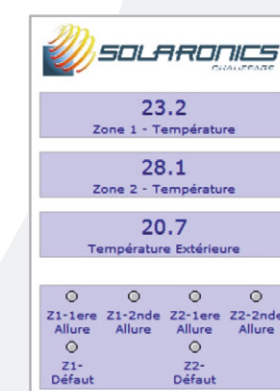
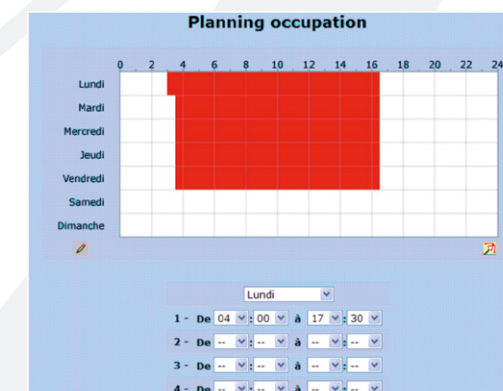
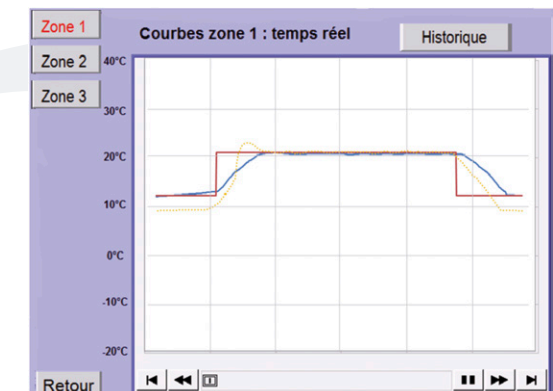
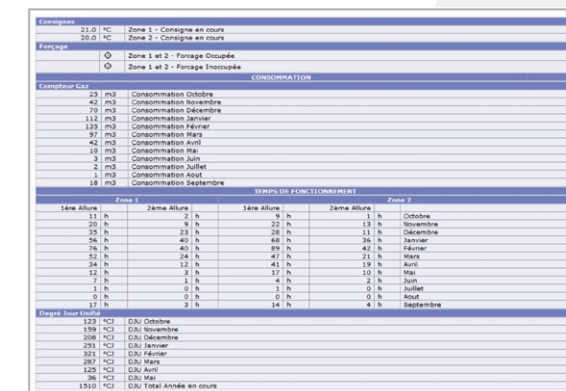
- **Pushbutton for timed forcing to “busy” setting**
- **Automatic detection of door opening:**
heating stopped after set time
(door contacts not supplied)
- **Gas metering:**
counts the pulses from the gas meter
- **Gas consumption estimate:**
estimates consumption based on appliance
running time
- **Estimate of Unified Degree Days:**
with an exterior temperature probe included



With the **pCOWeb Control** interface:

- Consultable web pages can be hosted in the PLC via a browser (Internet Explorer, Mozilla Firefox, Google Chrome or Smartphone)
- All regulation parameters can be read and modified
- Temperature curves can be plotted and exported to a spreadsheet

To optimise your installation and prevent any consumption excesses, we offer a monthly surveillance / monitoring reporting contract including updates

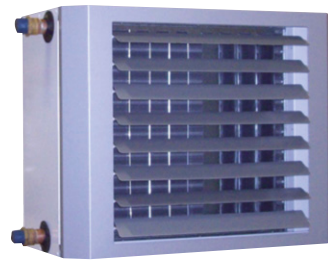


ALTERNATIVE SOLUTION FOR HEATING AND COOLING BUILDINGS

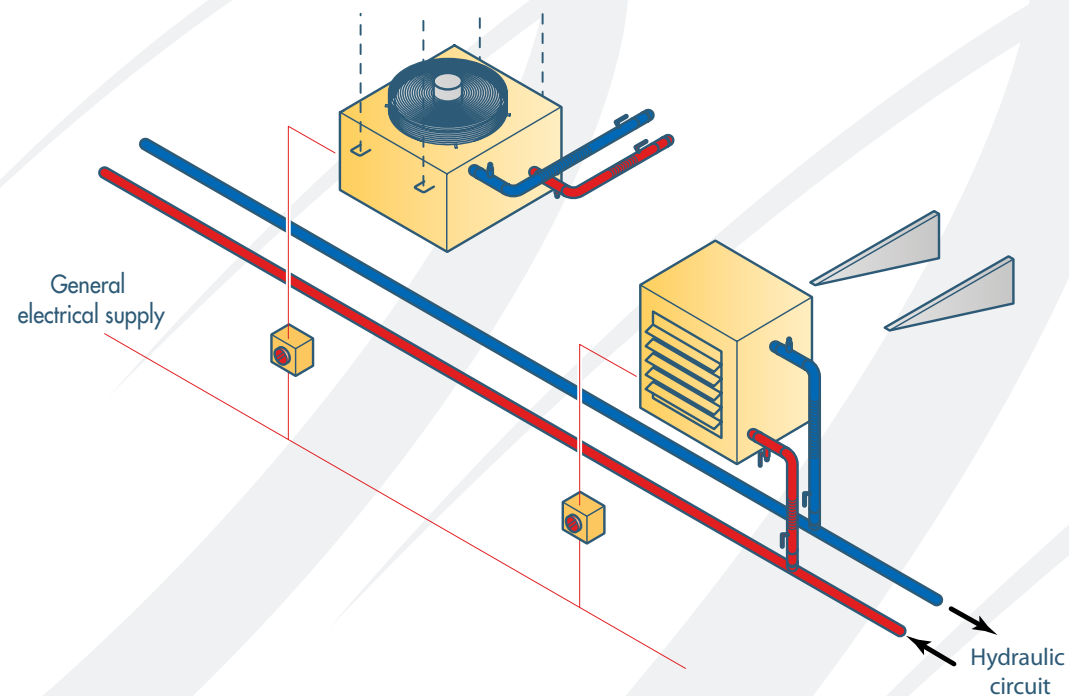
- industrial
- shops
- tertiary



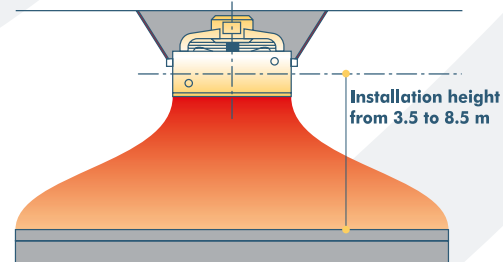
Complies with APSAD and NFPA air speed regulations (< 5 m/s at 50 cm)



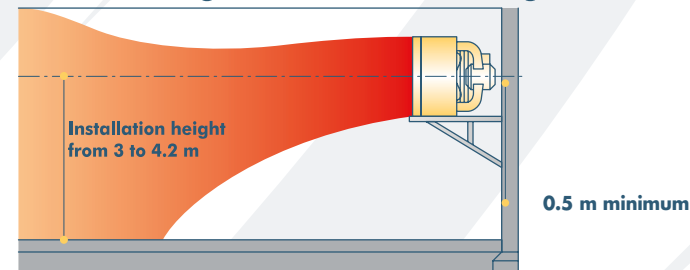
INSTALLATION PRINCIPLE



Horizontal mounting and vertical blowing



Wall mounting and horizontal blowing



LOW SETUP COST VERY LITTLE MAINTENANCE

TOTAL SAFETY (NO FLAME)

WALL OR CEILING INSTALLATION

Reversible hydraulic connection (left or right)

HOT / COLD NO REFRIGERATION FLUID

Silent running **AESTHETIC**

Excellent thermal efficiency **QUALITY OF FINISH**

Numerous accessories available



Housing in pre-lacquered sheet metal RAL 9003

Standard single deflection blowing grille in pre-lacquered sheet metal RAL 9006

Isothermal protection on single phase 230 V versions

Mounted on anti-vibration pads

Left or right hydraulic connection

Helical fan protective wire guard

Blowing grille with horizontal vents individually adjustable by aluminium fins

Exterior rotor electric motor, class F IP55, 900 rpm, available in single phase or three phase versions

Motorised fan unit factory balanced, no maintenance required

Low pressure hot or cold water copper / aluminium heat exchanger, tested at 105°C / 8 bars, 1, 2 or 3 banks

APPLICATIONS

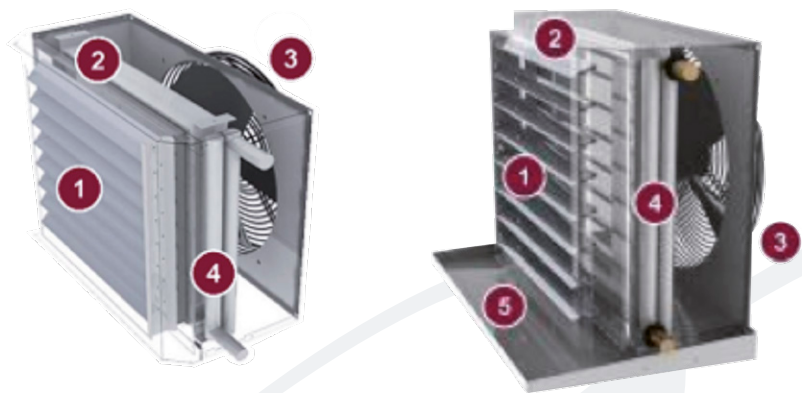
Production shop floors | Logistics platforms | Exhibition halls
Sales outlets | Gymnasiums | Storage depots | Community halls
Multi-purpose / exhibition halls

REFERENCES

Babolat | Castorama | Chapoutier | Focal |
France Pare Brise | Gamm vert | Jardiland | Metro Cash & Carry | Point S | SNCF



MAIN COMPONENTS



- 1 Blowing fan
- 2 Heat exchanger battery
- 3 Fan
- 4 Hydraulic connection
- 5 Condensate collector (Hot-cold water chilled water modules)

MOTORISED FAN UNIT

External rotor motor, profiled fan welded to rotor (ipsothermal protection class F IP55)
Factory-balanced unit with no maintenance

The external rotor motor technology gives better motor cooling making for optimised efficiency and substantially improved flow rates



HEAT EXCHANGE BATTERY

Low pressure hot or cold water battery
3 versions: 1, 2 or 3 rows
Exchanger made with aluminium fins crimped on to copper tube

This battery has excellent thermal efficiency



SINGLE DEFLECTION GRILLE

Blowing grille with horizontal vents
On option, vertical deflection can be fitted

Each fin can be individually oriented, enabling optimum adjustment to suit the local geometry



ACCESSORIES



- 1 White filter chamber (RAL 9003)
- 2 White mixing chambers (RAL 9003)
- 3 Filters
- 4 Dampers (galvanised steel)
- 5 Non-return backflow flap (galvanised steel)
- 6 Louver (galvanised steel)
- 7 White shutter flap (RAL 9003)



The mixing chamber (Ref 2) has 3 open faces.
Each of these faces can be fitted with one or more components (Ref 3 to Ref 7).
The components required for each of these faces should be clearly indicated:
• Upper face
• Rear face
• Bottom face

CORRECTION COEFFICIENT ACCORDING TO TYPE OF MOUNTING

The combination of different components (1 to 7) engenders load losses and a reduction in air flow rate and power rendered by the gas unit heater.

Performances must therefore be allocated the reduction coefficients given in the table below

Combinations	1	2 + 3	2 + 3 + 6	2 + 3 + 5 + 6
Power	0.91	0.91	0.87	0.78
Air flow rate	0.88	0.88	0.84	0.75

TECHNICAL CHARACTERISTICS

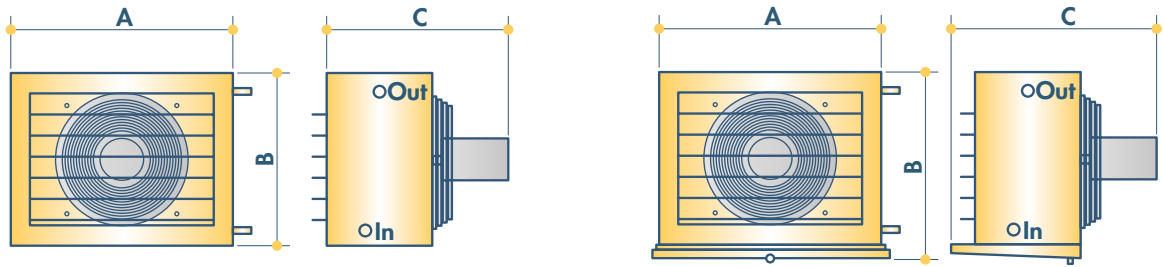
AEC* MODELS		AEC3312	AEC3313	AEC3422	AEC3423	AEC4422	AEC4423	AEC4501	AEC4502	AEC4503	AEC5502
Air flow rate	m³/h	1 810	1 700	2 640	2 310	3 300	3 020	4 200	3 850	3 450	4 200
Heating power	kW	11	15	19	24	25	32	15	27	35	34
Blowing temperature	°C	38	47	35	43	36	45	26	35	44	36
Number of battery rows		2	3	2	3	2	3	1	2	3	2
Water flow rate	m³/h	0.17	0.22	0.21	0.26	0.29	0.37	0.18	0.31	0.4	0.36
ΔP water	kPa	1.3	1.1	2	1.5	4.1	3.3	8.2	4.8	3.8	1.5
Battery capacity	l	1.45	1.91	1.45	1.91	2.13	2.77	1.5	2.13	2.77	2.94
Sound level**	dB _A	42	43	43	44	43	44	45	48	50	48
Air range, wall mounting Single deflection grille (standard)	m	13	13	13	13	13	13	13	13	13	15
Air range, wall mounting Long range grille (induction)	m	16	16	16	16	16	16	16	16	16	18

AEC* MODELS		AEC5503	AEC5552	AEC5553	AEC6552	AEC6553	AEC6632	AEC6633	AEC7711	AEC7712	AEC7713
Air flow rate	m³/h	3 960	5 640	5 100	6 000	5 700	7 920	7 150	14 300	13 500	10 500
Heating power	kW	41	38	48	45	61	53	71	48	90	105
Blowing temperature	°C	44	34	42	36	45	34	43	24	33	42
Number of battery rows		3	2	3	2	3	2	3	1	2	3
Water flow rate	m³/h	0.47	0.43	0.55	0.51	0.69	0.59	0.8	0.53	0.98	1.16
ΔP water	kPa	1.3	2	1.8	3	7.2	4	9.3	3.9	6.7	6.5
Battery capacity	l	3.83	2.94	3.83	3.87	4.98	3.87	4.98	3.62	5.31	7
Sound level**	dB _A	50	49	50	49	50	51	53	55	56	58
Air range, wall mounting Single deflection grille (standard)	m	15	15	15	18	18	18	18	18	18	18
Air range, wall mounting Long range grille (induction)	m	18	18	18	23	23	23	23	24	24	24

* Performances for air take-up at 15°C - water temperature: 80/60°C
** The acoustic pressure levels are given for standard wall mounting of an appliance at 5 m in open space (tolerance +/- 2 dB_A)
*** Performances for air return at 15°C - water temperature: 50/40°C; air return at 27°C - water temperature 7/12°C

AECF MODELS***		AECF3312	AECF3313	AECF4422	AECF4423	AECF5502	AECF5503	AECF6552	AECF6553	AECF7712	AECF7713
Air flow rate	m³/h	1 600	1 500	2 900	2 670	3 400	3 200	4 860	4 610	7 290	8 050
Heating power	kW	7	8	12	15	14	19	20	28	36	45
Blowing temperature	°C	29	33	27	32	28	32	27	32	26	31
Cooling power	kW	7	8	10	13	15	18	19	26	29	35
Blowing temperature	°C	20	18	21	18	21	19	21	19	21	20
Water flow rate	m³/h	0.16	0.2	0.28	0.36	0.34	0.44	0.49	0.68	0.86	1.07
Number of battery rows		2	3	2	3	2	3	2	3	2	3
ΔP water	kPa	1.3	1	4.3	3.4	1.4	1.3	3.1	7.5	5.8	6.1
Battery capacity	l	1.45	1.91	2.13	2.77	2.94	3.83	3.87	4.98	5.31	7
Sound level**	dB _A	42	43	43	44	48	50	49	50	56	58
Air range, wall mounting Single deflection grille (standard)	m	13	13	13	13	15	15	18	18	18	18
Air range, wall mounting Long range grille (induction)	m	16	16	16	16	18	18	23	23	24	24

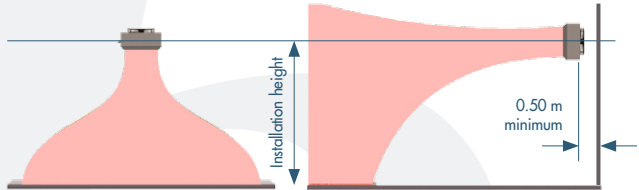
DIMENSIONS



		AEC models 3000	AEC models 4000	AEC models 5000	AEC models 6000	AEC models 7000
Width A	mm	615	720	805	915	1 070
Height B	mm	490	570	655	735	860
Depth C	mm	460	480	480	505	570
Water connection diameter		3/4"	1"	1"	1"1/4	1"1/4
Mass	kg	25	41	50	53	69

		AECF models 3000	AECF models 4000	AECF models 5000	AECF models 6000	AECF models 7000
Width A	mm	615	720	805	915	1 070
Height B	mm	528	619	702	783	908
Depth C	mm	541	572	602	611	680
Water connection diameter		3/4"	1"	1"	1"1/4	1"1/4
Mass	kg	27	43	53	56	73

INSTALLATION HEIGHT



WALL MOUNTING (HORIZONTAL BLOWING)		AEC/AECF models 3000	AEC/AECF models 4000	AEC/AECF models 5000	AEC/AECF models 6000	AEC/AECF models 7000
Wall installation height	m	3	3.2	3.6	4	4.2

CEILING MOUNTING (VERTICAL BLOWING)		AEC models 3000	AEC models 4000	AEC models 5000	AEC models 6000	AEC models 7000
Ceiling installation height with single deflection grille (standard)	m	3.5	3.5	4.5	5	5.5
Ceiling installation height with long range grille (induction)	m	5	5	7	8	8.5

Never position an AECF appliance for vertical blowing



For more information on the **AEC / AECF hot/cold water unit heater**, scan this QR code with your smartphone or see our Internet site

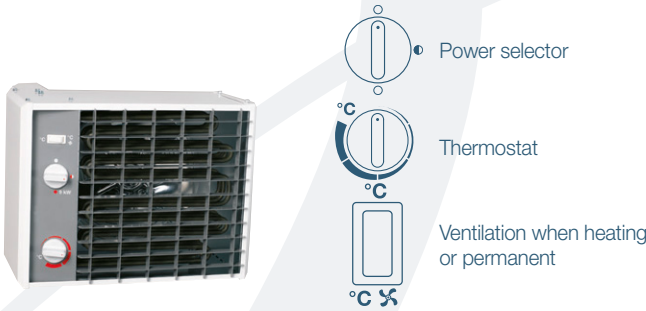
SOLUTION PARTICULARLY SUITED TO
HEATING BUILDINGS OF THE TYPE:

- small depots
 - stores, garages
 - storage areas
- shop floors
 - shops

RT CONTROL AND REGULATION

RT 5/9

- Power selector
- Stop / 1 speed / 2 speeds
- Ambiance thermostat adjustable from 5 to 35 °C
- Heating + ventilation switch permanent / regulated
- Fixed wall panel, inclined at 10°
- Overheating protection with manual reset



RT 15

- Ambiance thermostat adjustable from 5 to 35 °C
- Green “on” indicator lamp
- Wall panel orientable downwards / sideways
- Overheating protection with manual reset
- Remote control of up to 4 appliances, to be chosen on option



RT 20/30

- Wall panel orientable downwards / sideways
- Green “on” indicator lamp
- Overheating protection with manual reset
- Individual thermostat, to be chosen on option
- Remote control of up to 4 appliances, to be chosen on option



Appliance authorised by the safety regulations in
establishments open to the public

Simple to install

Low investment cost

OVERHEATING PROTECTION

Fast start-up

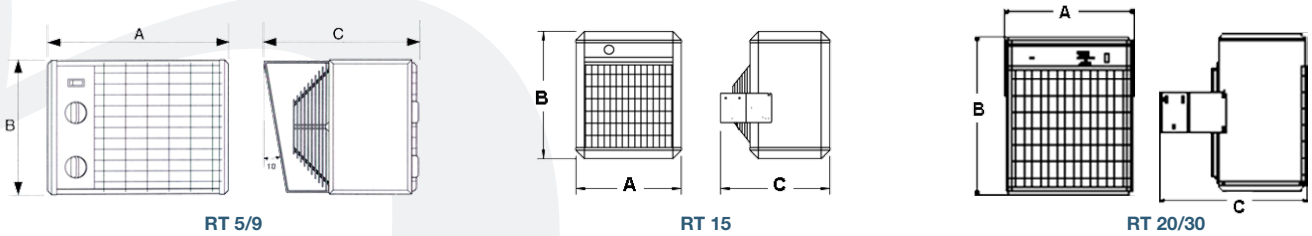
Virtually non-existent maintenance



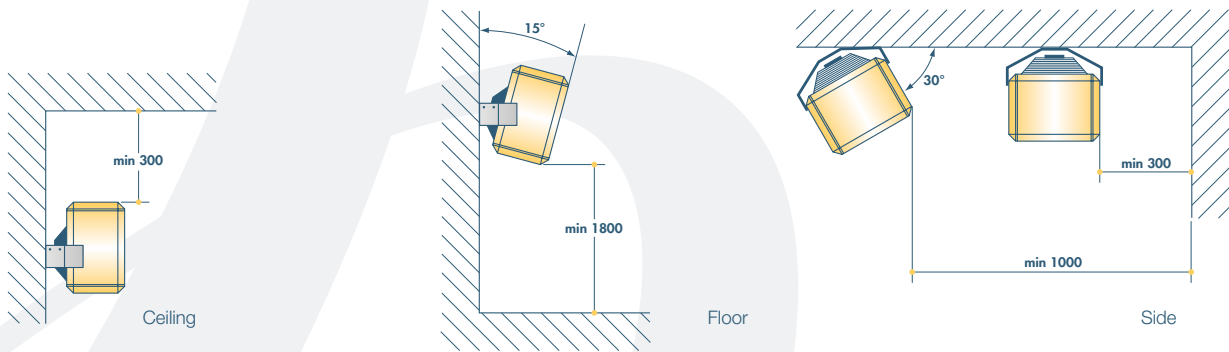
TECHNICAL CHARACTERISTICS

			RT 5	RT 9	RT 15	RT 20	RT 30
Thermal power	max	kW	5	9	15	20	30
	min	kW	2.5	4.5	7.5	10	10
Air flow rate	m³/h		480	720	1 300	2 600 / 1 900	2 600 / 1 900
Sound level	dB _A		40	44	47	60 / 52	60 / 52
Air range (without heating)	m		11	12	15	19	19
Electrical supply*			3 x 400 V + N - 50 Hz				
Current consumption	A		7.3	13.1	21.7	29.5	43.9
Wire cross section			For the cross section count 1 mm² for 7 amps				
Width A	mm		335	405	450	478	478
Height B	mm		255	315	520	576	576
Depth C	mm		276	335	510	545	545
Mass	kg		7	10	22	27	31

* A neutral is essential for the external supply of the fan (single phase 230 V)



INSTALLATION PRINCIPLE



For more information on the **RT electric unit heater**, scan this QR code with your smartphone or see our Internet site

CA CASED DESTRATIFICATION FAN

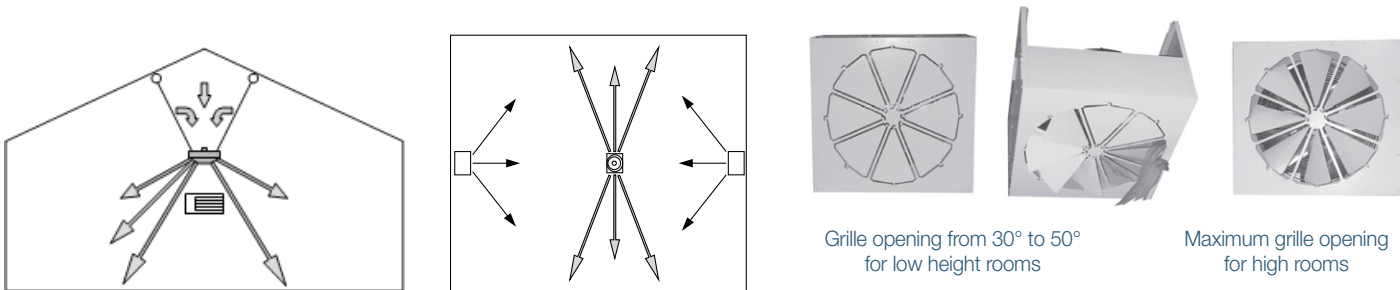
SOLUTION FOR RECUPERATING HEAT UNDER THE CEILING AND MIXING THE AIR

- Air suction from above and blowing from below
- Casing in sheet metal (RAL 9003); 4 fixing points
- Aluminium blade fan, mounted directly on the motor shaft
- Integrated destratification thermostat
- Adjustable fin diffusers in natural anodised aluminium
- Wire guard motor – fan protection
- **Eligible for Energy Savings Certificate (EEC)**



Standardised IND-BA-110 and BAT-TH-142 certificates

INSTALLATION PRINCIPLE

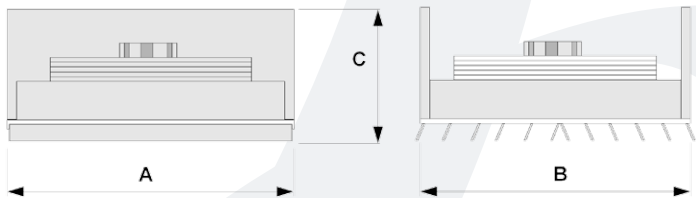


TECHNICAL CHARACTERISTICS

		CA 40	CA 60	CA 100
Air flow rate	m³/h	3 800	5 800	10 800
Maximum fixing height	m	4 to 6	6 to 10	6 to 12
Rotation speed	tr/mn	1 300	1 100	1 300
Number of fans		1	1	2
Power	VA	320	350	700
Electrical supply		1 x 230 V + N - 50 Hz		
Sound level at 4 m in open space	dB _A	41	48	51



DIMENSIONS



		CA 40	CA 60	CA 100
Length A	mm	655	655	655
Width B	mm	600	600	1 200
Height C	mm	405	405	405
Mass	kg	20	21	39



30%

energy savings

2

standardised
EEC certificates

3

models

10 800 m³/h

air flow rate



For more information on the **CA cased destratification fan**, scan this QR code with your smartphone or see our Internet site

SOLUTION FOR RECUPERATING HEAT UNDER THE CEILING AND MIXING THE AIR

- High air flow rate with large diameter blades
- Installation up to 12 metres height
- Speed regulator included (3 speed + stop)
- Ceiling fixing by anchoring point
- Constructed entirely in metal (white colour)
- Thermal protection
- **Eligible for Energy Savings Certificate (EEC)**



Standardised IND-BA-110 and BAT-TH-142 certificates



30%

energy savings

2

standardised
EEC certificates

2

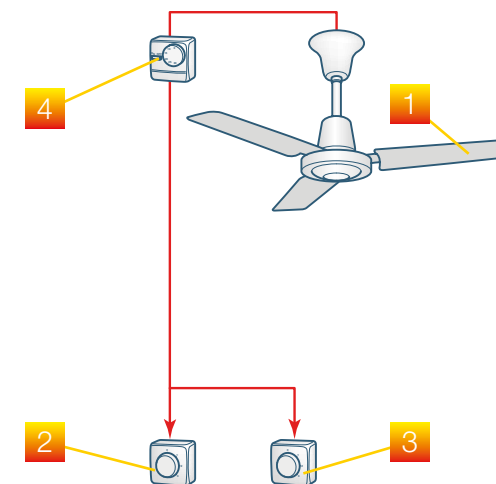
models

12 600 m³/h

air flow rate

INSTALLATION PRINCIPLE

- 1 Destratification fan
- 2 Individual speed regulator
- 3 Centralised speed regulator (option)
- 4 Destratification thermostat

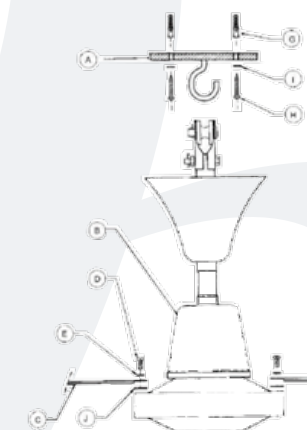


TECHNICAL CHARACTERISTICS - DESCRIPTION

		DR 12	DR 15
Air flow rate	m³/h	6 000	12 600
Installation height	m	4 to 12	4 to 8
Number of speeds		3	3
Electrical power	W	50	75
Electrical supply		1 x 230 V - 50 Hz	
Sound level at 4 m in open space	dB _A	46	47

Delivered with a 4-speed controller:

- 0 Stop
- 1 High speed
- 2 Medium speed
- 3 Low speed



- A Hook bracket (1 part)
- B Motor - bracket assembly (1 part)
- C Blades (3 parts)
- D Blade fixing screws (6 parts)
- E Lock washers (6 parts)
- G Wall plugs (2 parts)
- H Fixing screws (2 parts)
- I Lock washers (2 parts)
- J Blade protection (3 parts)

DIMENSIONS

		DR 12	DR 15
Diameter	mm	1 400	1 500
Height	mm	370	410
Mass	kg	5.2	8.2



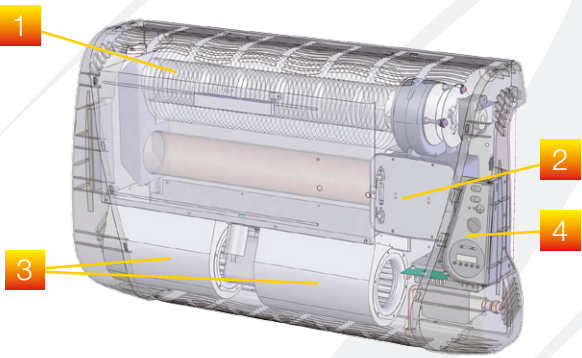
For further information on the **DR sweep fan**, scan this QR code with your smartphone or see our Internet site

SOLUTION PARTICULARLY SUITED TO HEATING BUILDINGS:

- of small and medium volumes
- being renovated
- occupied intermittently

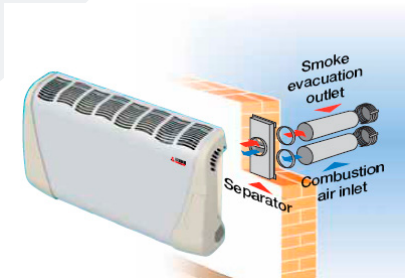


DESCRIPTION

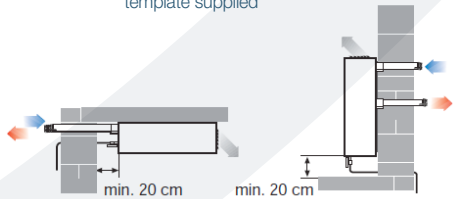


- 1 Steel heat exchanger with high thermal efficiency fins
- 2 Patented axial flame burner
- 3 Centrifugal fan
- 4 Control panel

INSTALLATION PRINCIPLE

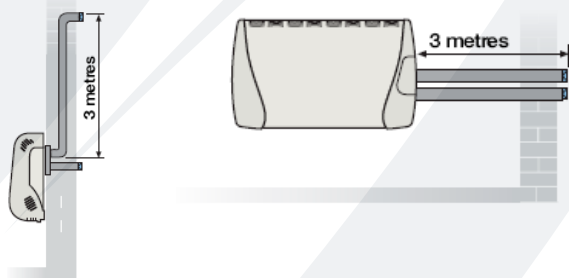


Dynagaz – Mounting template supplied

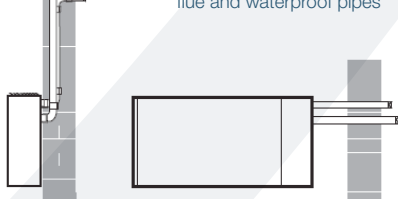


Termogaz 92H

Termogaz 92V



Dynagaz - Wall mounting micro-balanced flue and waterproof pipes



Termogaz 92V

AUTOMATIC IGNITION FAST WARM-UP

AIRTIGHT COMBUSTION CIRCUIT UNDER NEGATIVE PRESSURE

FLAME MONITORING Original design

COMPACT LOW SOUND LEVEL

Nickel-treated steel combustion chamber

Very highly reliable TOTAL SAFETY

TECHNICAL CHARACTERISTICS

			DYNAGAZ 34	DYNAGAZ 50	TERMOGAZ 92V	TERMOGAZ 92H
Nominal heat input		kW	3.72	5.52	10.5	10.5
Output power		kW	3.35	4.91	9.5	9.5
Air flow rate at 15°C	Min. speed	m³/h	110	240	850	850
	Max. speed	m³/h	110	300	1 040	1 040
Fan speeds			1	2	2	2
Sound level at 3 m in open space	minimum	dB _A	29	31.5	43	43
	maximum	dB _A	29	33.5	45.5	45.5
Evacuation/combustion air connection diameter		mm	65	65	60	60
Electrical supply			1 x 230 V + N - 50 Hz			
Electrical consumption		W	47	102	180	180
G20 gas flow rate		m³/h	0.39	0.58	1.11	1.11
G25 gas flow rate		m³/h	0.46	0.68	1.28	1.28
G31 gas flow rate		kg/h	0.29	0.43	0.81	0.81

DIMENSIONS

		DYNAGAZ 34	DYNAGAZ 50	DYNAGAZ 92V	DYNAGAZ 92H
Width	mm	717	807	1 220	1 220
Height	mm	481	481	613	219
Depth	mm	194	194	219	613
Gas diameter		3/8"	3/8"	1/2"	1/2"
Mass	kg	21	27	58	58



For more information on the **DYNAGAZ / TERMOGAZ gas fan coil**, scan this QR code with your smartphone or see our Internet site

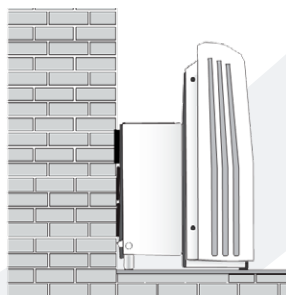
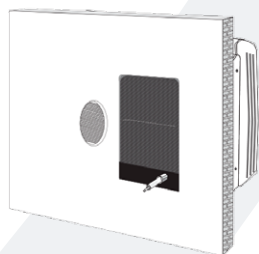
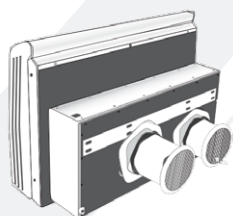
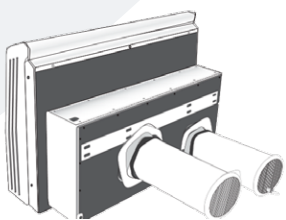
DYNAPAC HEAT-PUMP FAN COIL

HEATING AND COOLING SOLUTION FOR BUILDINGS OF:

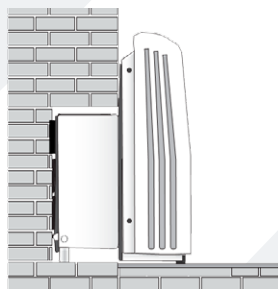
- small and medium volumes
- being renovated
- occupied intermittently



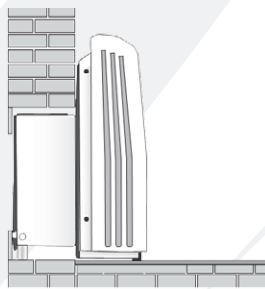
INSTALLATION PRINCIPLE



Surface mounting



Surface mounting under sill



Recessed mounting

WITHOUT EXTERNAL UNIT COMPACT (660 MM WIDE)
LOW SOUND LEVEL Integrated control panel
EASY TO INSTALL (TEMPLATE PROVIDED)

CONDENSATE EVACUATION THROUGH SUCTION CONDUIT

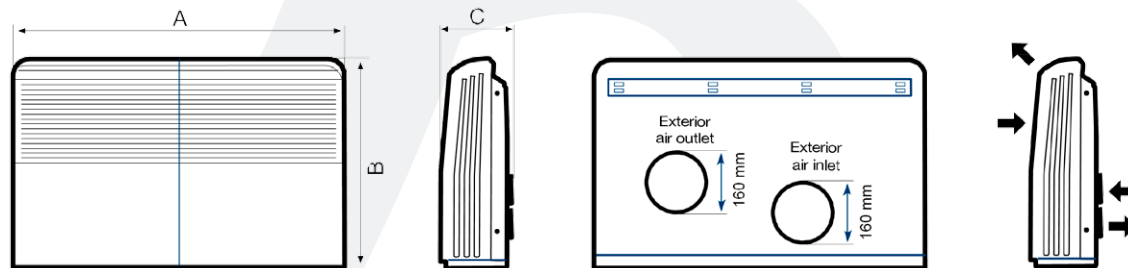
AUTOMATIC RESTART
Remote control
NO NEED FOR A REFRIGERATION TECHNICIAN



TECHNICAL CHARACTERISTICS

		DynaPAC 9	DynaPAC 11	DynaPAC 13
Refrigeration power	kW	2.35	2.84	3.35
Power consumption	W	900	1 090	1 288
E.E.R.	W/W	2.61	2.60	2.61
Heating value	kW	2.35	2.84	3.35
Power consumption	W	850	977	1 190
C.O.P.	W/W	3.01		
Air flow rate	m³/h	350	380	450
Refrigeration fluid		R410A		
Electrical supply		1 x 230V + N – 50 Hz		
Sound level	dB _A	39 / 54	39 / 55	39 / 56
Dehumidification capacity	l/h	0.6	0.8	1.1

DIMENSIONS



		DynaPAC 9	DynaPAC 11	DynaPAC 13
Width A	mm	660	660	960
Height B	mm	660	660	660
Depth C	mm	255	255	255
Mass	kg	40	42	52



For more information on the **DynaPAC Heat-pump fan coil**, scan this QR code with your smartphone or see our Internet site