



YAHTEC



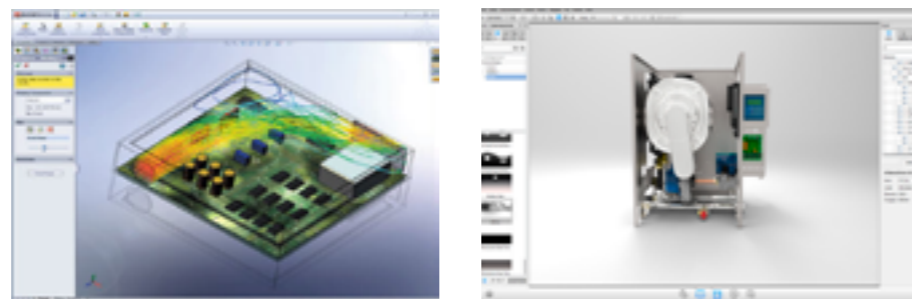
Presentation

YAHEC company was founded in 1987 and is today a French leader manufacturer of gas heating units for the industry and the commercial sector.

R&D

YAHEC reinvests 10 % of its sales into Research and Development in order to create innovative and efficient solutions. Year after year, YAHEC makes substancial investments to strive for technical excellence:

- Flow simulation, CAD software, numerical calculations
- Automation of production lines
- Fully automatic testing facilities, acoustic chambers

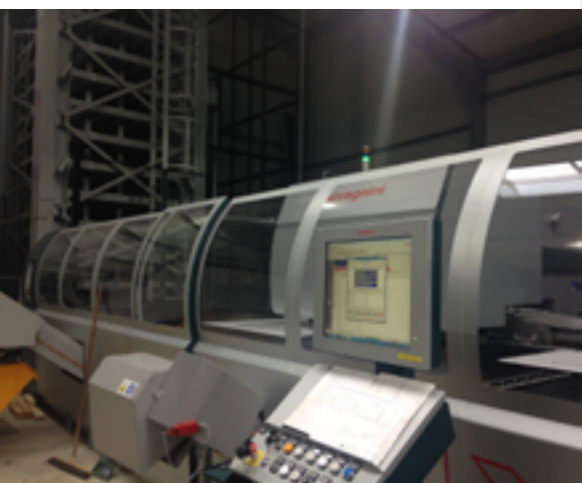


In partnership with many institutional organizations, YAHEC observes the market developments, participates to the normative adaptation of the products and studies the solutions for new environmental requirements.

Since 2008, we have improved the environmental performance of our processes, operations and products. Eco-efficiency is more and more a business model and part of our culture. Designing efficient products, using renewable energy systems with low CO2 emissions.

Production

We are demanding in terms of production. After many developments, we are one of the few producers in France to use robotized assembly line and automated systems. That's why we maintain the competivity and a high level of quality for our partners.



Quality

We believe in quality as a corporate value. Ensuring the highest safety and quality standards allowed us to deliver the most reliable products to our customers.



Application areas

YAHEC operates on the heating and cooling market for industrial and service sectors.

Industries / Warehouses / Industrial process



Commercial shops / Sport halls / Greenhouses



Geographic sales

Our products are sold and installed throughout 20 countries in Europe. YaheC operates also internationally and has a production site in Russia.



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ATLE	Hot Air Blower (placed outside)	P.24	P.48	Thermal module	MTG
RTG	Direct Gas Heater	P.28	P.52	Mobile cooling unit	MTG
VEX	Water Air Heater	P.32	P.54	Regulation for tubular units	TFP
SDS	Destratification fan	P.36	P.56	Regulation for condensing units	REG

AT



Simple and reliable heater
Efficiency up to 91 %

YAHEC Gas Air Heater - AT serie is suitable for indoor installation in industrial and commercial premises. Thanks to the closed combustion chamber and atmospheric burner, the AT gas fired unit heater achieves up to 91% efficiency.

TYPICAL APPLICATION



Industries



Supermarkets



Sport facilities



Warehouses



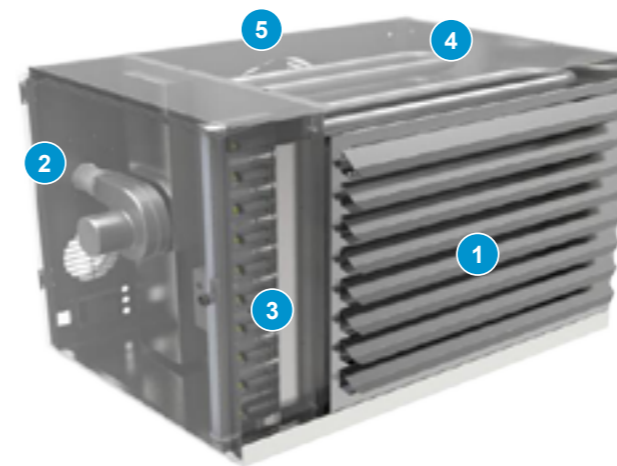
Workshops



Greenhouses

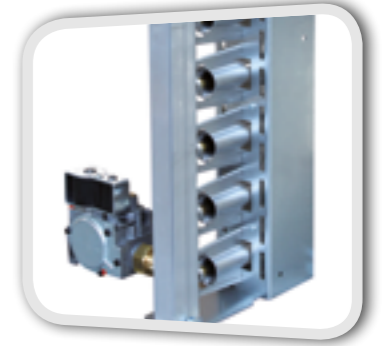
AT Gas Air Heater is running with natural gas (G20/G25) or propane gas (G31). The range includes 8 models from 16 to 95 kW and 3 versions such as axial, and vertical for direct blowing (ATH, ATV) and centrifugal for piped flow (ATC).

Product advantages	Customer benefits
Atmospheric burner	Efficiency up to 91 %
2 mm thickness heat exchanger with seamless pipe	Efficient heat exchange, long life service
Horizontal heat exchanger	Low height of device, useful for buildings with low ceilings
4 – route heat exchanger	Maximum use of combustion calories
Compact device	Rapid and easy installation
Pilot wire card	Regulation of several devices with only one thermostat
Double louver series	Efficient air distribution
Automatic security system	Safe use



- 1 Louver Series
- 2 Flue Pipe Connection
- 3 Burner
- 4 Tubular Heat Exchanger
- 5 Axial Fan

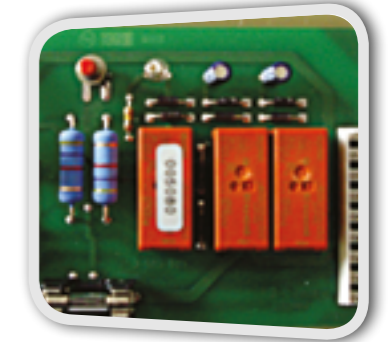
Gas Air Heater



Multi-jet gas burner



Heat exchanger



Pilot wire card



Axial fan



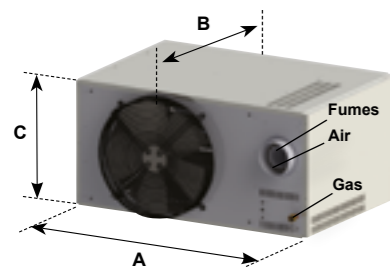
Performances

Models	AT16H	AT20H	AT28H	AT35H	AT45H	AT55H	AT75H	AT95H
Heat Input (kW)	16	21	28	35	45	55	71	92
Heat Output (kW)	14.5	19.5	25.5	31.5	40.5	50	64.4	84
Efficiency (%)	>91	>91	>91	>91	>91	>91	>91	>91
Air flow T 15°C (m3/h)	1 350	1 450	2 050	2 900	4 000	4 900	5 800	8 000
Sound level (dBA)	42.3	43.5	47.4	46.6	56.1	56.4	54.5	53.3

Dimensions

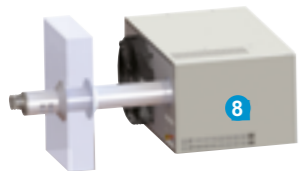
Models	AT16H	AT20H	AT28H	AT35H	AT45H	AT55H	AT75H	AT95H
A (mm)	810	1 040	1 040	1 040	1 040	1 040	1 120	1 120
B* (mm)	780	800	820	820	820	840	840	840
C (mm)	356	460	460	510	570	700	825	1 075
Gas (mm)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Fumes (mm)	80	80	80	80	100	130	130	130
Air (mm)	125	125	125	125	100	130	130	130
Weight (kg)	54	81	80	85	105	125	152	194

* From the front to back side of gas heater

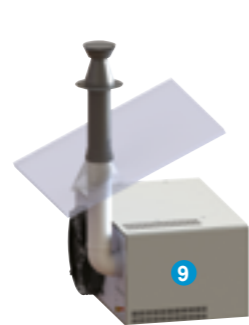


Flue connection

Models 16-35



Concentric wall duct C12
maximum length : 6m

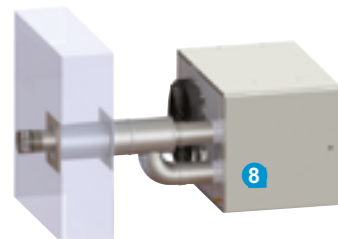


Concentric roof duct C32
maximum length : 6m

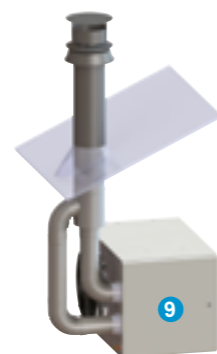


Sealed roof chimney B22
maximum length : 8m

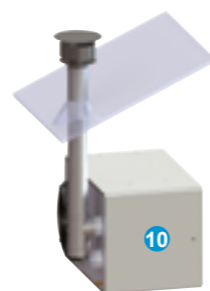
Models 45-95



Concentric wall duct C12
maximum length : 6m



Concentric roof duct C32
maximum length : 8m



Sealed roof chimney B22
maximum length : 8m

References

Models	AT16H	AT20H	AT28H	AT35H	AT45H	AT55H	AT75H	AT95H	
Axial gas air heater 1 stage	AT16H	AT20H	AT28H	AT35H	AT45H	AT55H	AT75H	AT95H	
Axial gas air heater 2 stages	ATM16H	ATM20H	ATM28H	ATM35H	ATM45H	ATM55H	ATM75H	ATM95H	
Gas connection	Natural gas kit 20 or 25 mBar	1 KGN20							
	Natural gas kit 300 mBar	2 KDGN55	KDGN55	KDGN55	KDGN55	KDGN55	KDGN55	KDGN100	
	Propane gas kit 1,5 Bar	3 KDP55	KDP55	KDP55	KDP55	KDP55	KDP55	KDP100	
	Flexible gas connection	4 FLEXID1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND3/4	
Fixation	Directional wall-mounted bracket	5 CORATM	CORAT	CORAT	CORAT	CORAT	CORAT	-	
	KRSJ kit for directional bracket	6	KIPN						-
	Wall-mounting brackets (pair)	7	COAT						
Flue pipes	Concentric wall duct C12	8 KC1280	KC1280	KC1280	KC1280	KC12100	KC12130	KC12130	
	Concentric roof duct C32	9 KC3280	KC3280	KC3280	KC3280	KC32100	KC32130	KC32130	
	Sealed roof chimney B22	10 KB2280	KB2280	KB2280	KB2280	KB22100	KB22130	KB22130	
	Single extension 1 m	LE80100	LE80100	LE80100	LE80100	LE100100	LE130100	LE130100	
	Single extension 0,5 m	LE80050	LE80050	LE80050	LE80050	LE100050	LE130050	LE130050	
	Single elbow 45°	CE8045	CE8045	CE8045	CE8045	CE10045	CE13045	CE13045	
	Single elbow 90°	CE8090	CE8090	CE8090	CE8090	CE10090	CE13090	CE13090	
	Concentric extension 1 m	LC80100	LC80100	LC80100	LC80100	-	-	-	
	Concentric extension 0,5 m	LC80050	LC80050	LC80050	LC80050	-	-	-	
	Concentric elbow 45°	CC8045	CC8045	CC8045	CC8045	-	-	-	
Concentric elbow 90°	CC8090	CC8090	CC8090	CC8090	-	-	-		
Regulation	Switch disconnecter	11	BSAT4P						
	Thermostat + remote reset	12	TFP1						
	Timer thermostat + remote reset	13	TFP2TS						
	Timer thermostat with external sensor + remote reset		TFP3TS						

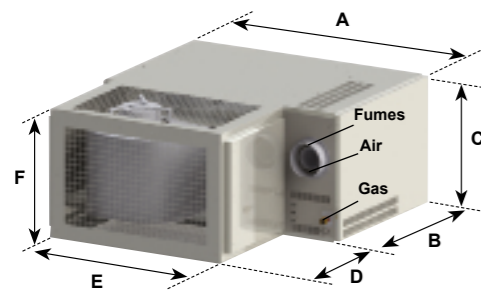




Performances

Models	AT20C	AT28C	AT35C	AT45C	AT55C	AT75C	AT95C
Heat Input (kW)	21	28	35	45	55	71	92
Heat Output (kW)	19.5	25.5	31.5	40.5	50.5	64.4	84
Efficiency (%)	>91	>91	>91	>91	>91	>91	>91
Air flow (m3/h)	1 900	2 300	2 800	3 900	4 400	5 400	7 800
Pressure (Pa)	120	90	140	110	140	130	110

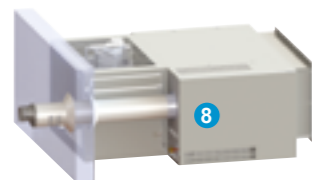
Dimensions



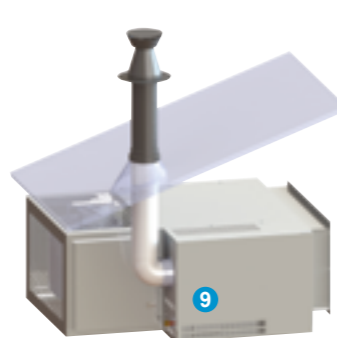
Models	AT20C	AT28C	AT35C	AT45C	AT55C	AT75C	AT95C
A (mm)	1 040	1 040	1 040	1 040	1 040	1 120	1 120
B (mm)	677	677	677	677	677	677	677
C (mm)	460	460	510	570	700	825	1 075
D (mm)	480	480	480	580	580	580	680
E (mm)	750	750	750	750	750	750	750
F (mm)	460	460	510	570	700	700	1 075
Ø Gas	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Ø Fumes (mm)	80	80	80	100	130	130	130
Ø Air (mm)	125	125	125	100	130	130	130
Weight (kg)	99	117	125	140	165	180	260

Flue connection

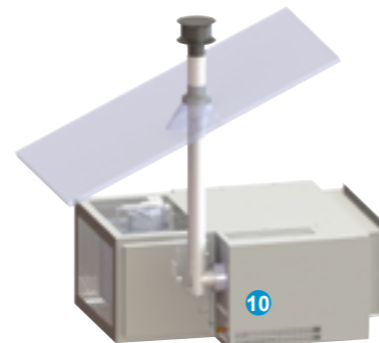
Models 16-35



Concentric wall duct C12
maximum length : 6m

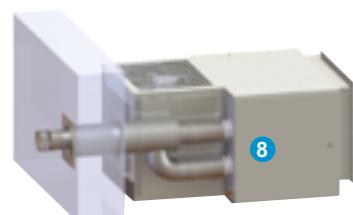


Concentric roof duct C32
maximum length : 6m

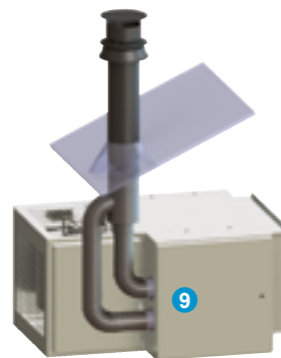


Sealed roof chimney B22
maximum length : 8m

Models 45-95



Concentric wall duct C12
maximum length : 6m



Concentric roof duct C32
maximum length : 8m



Sealed roof chimney B22
maximum length : 8m

References

Models	AT20C	AT28C	AT35C	AT45C	AT55C	AT75C	AT95C		
Centrifugal gas air heater 1 stage	AT20C	AT28C	AT35C	AT45C	AT55C	AT75C	AT95C		
Centrifugal gas air heater 2 stages	ATM20C	ATM28C	ATM35C	ATM45C	ATM55C	ATM75C	ATM95C		
Accessories	Filter box + filter	1 CFIATE	CFIATE	CFIATE	CFIATI	CFIATI	CFIATI	2 x CFIATI	
	2 dampers	2 KRMATE	KRMATE	KRMATE	KRMATI	KRMATI	KRMATI	2 x KRMATI	
Gas connection	Natural gas kit 20 or 25 mBar	3	KGN20						
	Natural gas kit 300 mBar	4 KDGN55	KDGN55	KDGN55	KDGN55	KDGN55	KDGN100	KDGN100	
	Propane gas kit 1,5 Bar	5 KDP55	KDP55	KDP55	KDP55	KDP55	KDP100	KDP100	
	Flexible gas connection	6 FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND3/4	FLEXIND3/4	
Fix.	Wall-mounting brackets (pair)*	7	COAT						-
Flue pipes	Concentric wall duct C12	8 KC1280	KC1280	KC1280	KC12100	KC12130	KC12130	KC12130	
	Concentric roof duct C32	9 KC3280	KC3280	KC3280	KC32100	KC32130	KC32130	KC32130	
	Sealed roof chimney B22	10 KB2280	KB2280	KB2280	KB22100	KB22130	KB22130	KB22130	
	Single extension 1 m	LE80100	LE80100	LE80100	LE100100	LE130100	LE130100	LE130100	
	Single extension 0,5 m	LE80050	LE80050	LE80050	LE100050	LE130050	LE130050	LE130050	
	Single elbow 45°	CE8045	CE8045	CE8045	CE10045	CE13045	CE13045	CE13045	
	Single elbow 90°	CE8090	CE8090	CE8090	CE10090	CE13090	CE13090	CE13090	
	Concentric extension 1 m	LC80100	LC80100	LC80100	-	-	-	-	
	Concentric extension 0,5 m	LC80050	LC80050	LC80050	-	-	-	-	
	Concentric elbow 45°	CC8045	CC8045	CC80	-	-	-	-	
Concentric elbow 90°	CC8090	CC8090	CC8090	-	-	-	-		
Regulation	Switch disconnecter	11	BSAT4P						
	Thermostat + remote reset	12	TFP1						
	Timer thermostat + remote reset	13	TFP2TS						
	Timer thermostat with external sensor + remote reset		TFP3TS						

* Warning : These brackets are unsuitable for use with filter and mixing box with dampers.

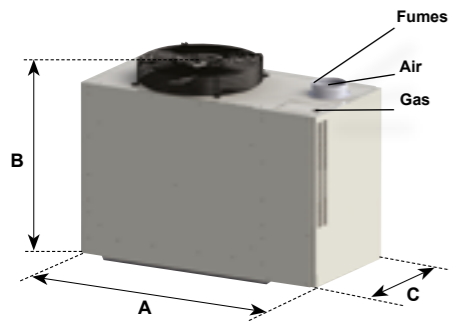




Performances

Models	AT36V	AT45V	AT55V	AT75V	AT95V
Heat Input (kW)	36	45	55	71	92
Heat Output	32.5	40.5	50	64.4	84
Efficiency (%)	> 91	>91	> 91	> 91	> 91
Air flow T 15°C (m3/h)	2 900	4 000	4 900	5 800	8 000
Sound level dB(A)	46.6	56.1	56.4	54.5	53.3

Dimensions



Models	AT36V	AT45V	AT55V	AT75V	AT95V
A (mm)	810	1 040	1 040	1 120	1 120
B (mm)	820	820	840	840	840
C (mm)	570	570	700	820	1 075
Ø Gas	1/2"	1/2"	1/2"	3/4"	3/4"
Ø Fumes (mm)	80	100	130	130	130
Ø Air (mm)	125	100	130	130	130
Weight (kg)	85	105	125	152	194

Flue connection Model 36

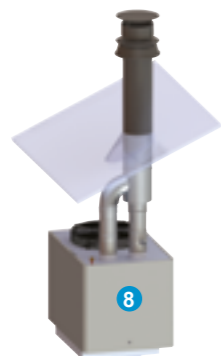


Concentric roof duct C32
maximum length : 6m



Sealed roof chimney B22
maximum length : 8m

Model 45-95



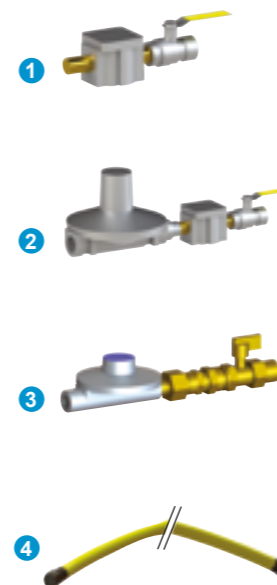
Concentric roof duct C32
maximum length : 8m



Sealed roof chimney B22
maximum length : 8m

References

Models	AT36V	AT45V	AT55V	AT75V	AT95V
Vertical gas air heater 2 stages	AT36V	AT45V	AT55V	AT75V	AT95V
Gas connection	Natural gas kit 20 or 25 mBar	1 KGN20			
	Natural gas kit 300 mBar	2 KDGN55	KDGN55	KDGN55	KDGN100
	Propane gas kit 1,5 Bar	3 KDP55	KDP55	KDP55	KDP100
	Flexible gas connection	4 FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	FLEXIND3/4
Fix.	Wall-mounting brackets	5 COATV	COATV	COATV	COATV2
	Sealed roof chimney B22	KB2280V	KB22100V	KB22130V	KB22130V
	Concentric roof duct C32	6 KC3280V	KC32100V	KC32130V	KC32130V
	Single extension 1 m	7 LE80100	LE100100	LE130100	LE130100
	Single extension 0,5 m	LE80050	LE100050	LE130050	LE130050
	Single elbow 45°	CE8045	CE10045	CE13045	CE13045
	Single elbow 90°	CE8090	CE10090	CE13090	CE13090
	Concentric extension 1 m	LC80100	-	-	-
	Concentric extension 0,5 m	LC80050	-	-	-
	Concentric elbow 45°	CC80	-	-	-
	Concentric elbow 90°	CC8090	-	-	-
Regulation	Switch disconnecter	8	BSAT4P		
	Thermostat + remote reset	9	TFP1		
	Timer thermostat + remote reset	10	TFP2TS(FR)/TFP2TSE(EN)		
	Timer thermostat with external sensor + remote reset	11	TFP3TS		



CAU



The most efficient condensing gas technology (108%)
With condensing boiler and water heat exchanger

YAHEC Condensing Gas Air Heater – CAU series is the newest solution to heat up commercial and industrial premises efficiently. With its condensing boiler and premix burner, the CAU offers higher efficiency and energy savings for better comfort thanks to the automatic modulation.

TYPICAL APPLICATION



Industries



Supermarkets



Sport facilities



Warehouses



Workshops

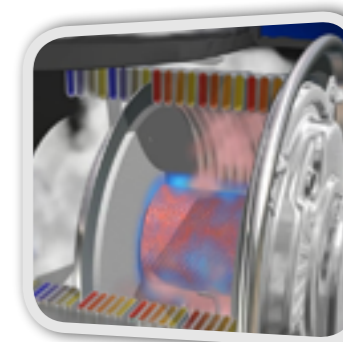


Greenhouses

Condensing Gas Air Heater

The Condensing Gas Heater works with natural gas (G20/25) or propane (G31). The range includes 4 models from 27 to 62 kW and 2 versions such as axial for direct blowing (CAUH) and centrifugal for piped flow (CAUC).

Product advantages	Customer benefits
Premix gas burner, low NOx (lower than 20 mg/kWh)	The latest technology Environmental friendliness
High thermal efficiency From 98 to 108%	The highest efficiency on the market Reduce the energy consumption
Power modulation From 30% to 100%	Uses only the power required to provide maximum savings.
Adjustable air flow From 20% to 100%	Helps to keep constant air blowing temperature.
Communicating system by Modbus IP	Intelligent regulation Connection to all BMS possible
Separation of combustion and heating circuit	Total safety : no combustion product can be mixed with air flow
Quick warm up Less than 1 minute	Instant comfort
Water temperature into the coil does not exceed 85°C	No risk of overheating



Condensing gas boiler



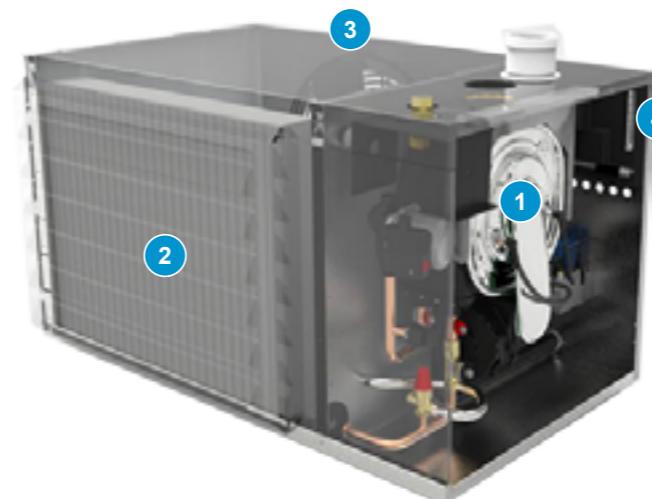
Water heat exchanger



Safety system



Regulation



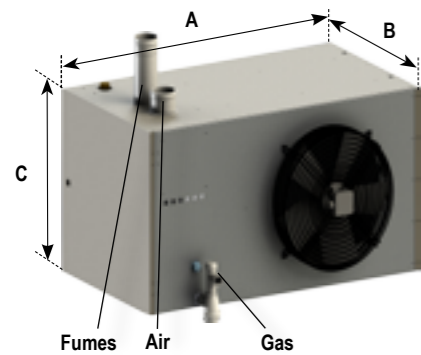
- 1 Condensing boiler
- 2 Heat exchanger
- 3 Axial fan
- 4 Electronic PCB

Performances



Models	CAU 30 H		CAU 40 H		CAU 50 H		CAU 70 H	
	max	min	max	min	max	min	max	min
Heat input LHV (kW)	27	7.7	36	10.8	45	12.6	63	17
Heat output (kW)	26.5	8.2	34.9	11.5	44.1	13.6	61.7	18.3
Efficiency LHV (%)	98	108	98	108	98	108	98	108
Air flow T 15°C (m³/h)	2 700		3 450		4 600		5 500	
NOx class	5							

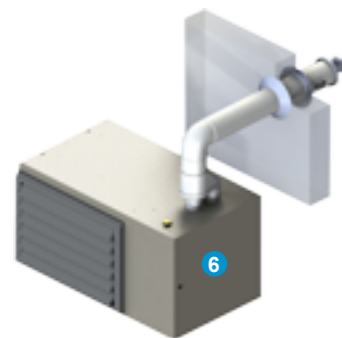
Dimensions



Models	CAU 30 H	CAU 40 H	CAU 50 H	CAU 70 H
A (mm)	1 067	1 080	1 192	1 400
B* (mm)	842	842	842	842
C (mm)	574	624	674	774
Ø Gas	1/2"	1/2"	1/2"	1/2"
Ø Fumes (mm)	80	80	80	80
Ø Air (mm)	80	80	80	80
Weight (kg)	88	99	110	135

* From the front to back side of gas heater

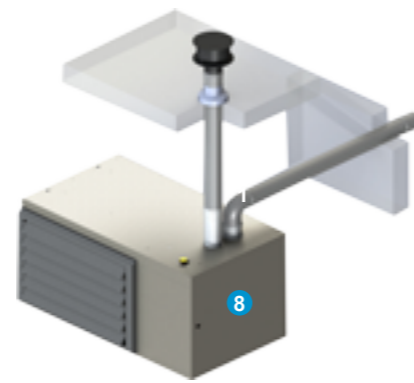
Flue connections



Concentric wall duct C13



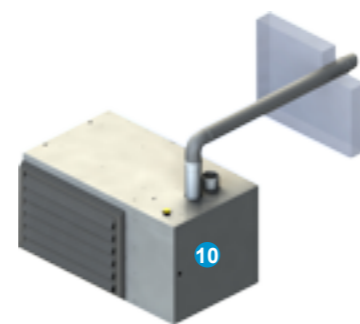
Concentric roof duct C33



Sealed roof / wall chimney C53



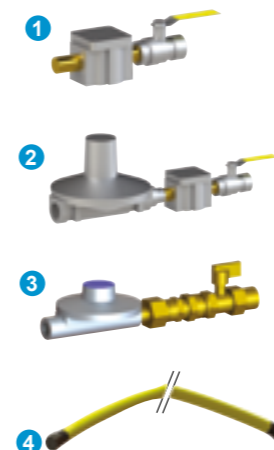
Sealed roof chimney B23V



Sealed wall chimney B23H

References

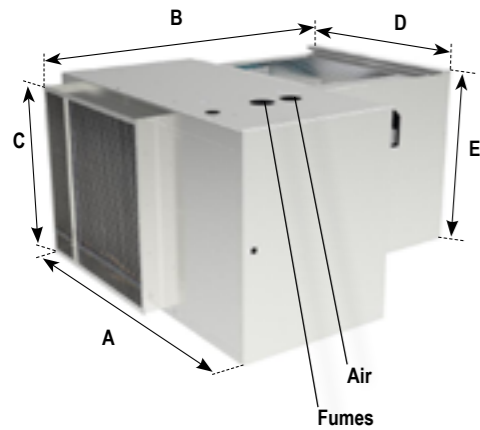
Models		CAU 30 H	CAU 40 H	CAU 50 H	CAU 70 H	
Axial condensing gas air heater		CAU30H	CAU40H	CAU50H	CAU70H	
Axial condensing gas air heater (adjustable air flow)		CAU30HEC	CAU40HEC	CAU50HEC	-	
Gas connection	Natural gas kit 20 or 25 mBar	1		KGN20		
	Natural gas kit 300 mBar	2	KDGN55	KDGN55	KDGN55	KDGN100
	Propane gas kit 1,5 Bar	3		KDP55		
	Flexible gas connection 1/2"	4		FLEXIND1/2		
Fixation	Wall-mounting brackets	5		COCAU		
	KRSJ kit for brackets			KIPNCAU		
Flue pipes	Concentric wall duct C13	6		KC1380R		
	Concentric roof duct C33	7		KC3380R		
	Sealed wall/roof C53	8		KC5380R		
	Sealed roof chimney B23V	9		KB2380VR		
	Sealed wall chimney B23H	10		KB2380HR		
	Single extension 1 m			LE80100R		
	Single extension 0,5 m			LE80050R		
	Single elbow 45°			CE8045R		
	Single elbow 90°			CE8090R		
	Concentric extension 1 m			LC80100R		
Concentric extension 0,5 m			LC80050R			
Concentric elbow 45°			CC8045R			
Concentric elbow 90°			CC8090R			
Regulation	Switch disconnecter	11		BSAT4P		
	Individual regulator	12		REG402		
	Regulator for 1 to 16 units	13		REG410		
	Probe			REG401		



Performances

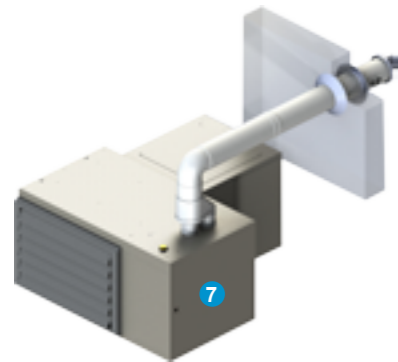
Models	CAU 30 C		CAU 40 C		CAU 50 C		CAU 70 C	
	maxi	mini	maxi	mini	maxi	mini	maxi	mini
Heat input LHV (kW)	27	7.7	36	10.8	45	12.6	63	17
Heat output (kW)	26.5	8.2	34.9	11.5	44.1	13.6	61.7	18.3
Efficiency LHV (%)	98	108	98	108	98	108	98	108
Air flow T 15°C (m³/h)	Refer to technical manual							
Pressure (Pa)	Refer to technical manual							

Dimensions

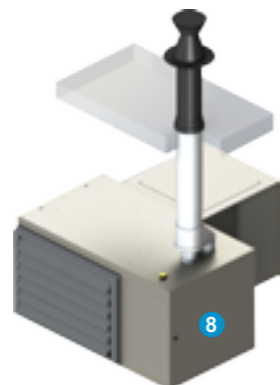


Models	CAU30C	CAU40C	CAU50C	CAU70C
A (mm)	1 078.5	1 079.5	1 192	1 277
B (mm)*	1 366	1 366	1 431	1 460.5
C (mm)	574	624	674	774
D (mm)	704	704	755	755
E (mm)	548	598	648	748
Ø Gas	1/2"	1/2"	1/2"	1/2"
Ø Fumes (mm)	80	80	80	80
Ø Air (mm)	80	80	80	80
Weight (kg)	128	160	165	195

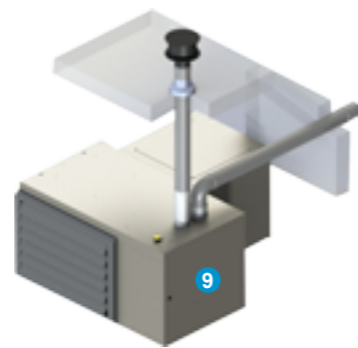
Flue connections



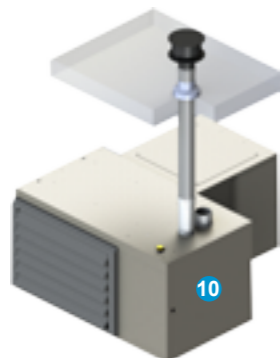
Concentric wall duct C13



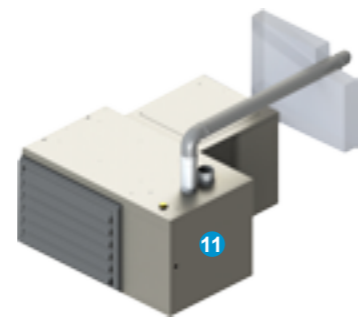
Concentric roof duct C33



Sealed roof/wall chimney C53



Sealed roof chimney B23V

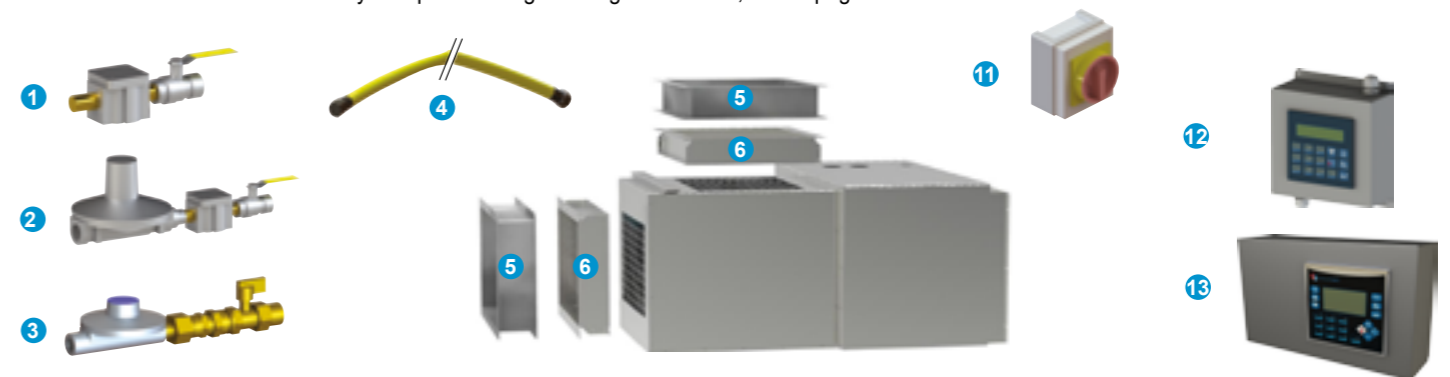


Sealed wall chimney B23H

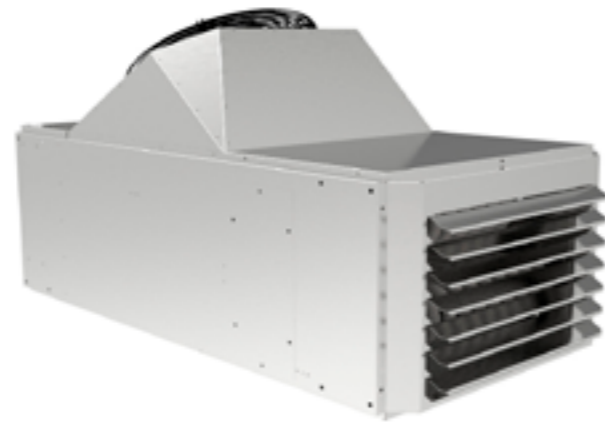
References

Models		CAU 30 C	CAU 40 C	CAU 50 C	CAU 70 C
Ducted condensing gas air heater		CAU30C	CAU40C	CAU50C	CAU70C
Gas connection	Natural gas kit 20 or 25 mBar	KGN20			
	Natural gas kit 300 mBar	KDGN55	KDGN55	KDGN55	KDGN100
	Propane gas kit 1,5 Bar	KDP55			
	Flexible gas connection 1/2"	FLEXIND1/2			
Accessories	2 dampers (without linkage)	KRMATE	KRMATE	KRMATI	KRMATI
	Damper anti-freeze with a servomotor ⁽¹⁾	KRAGCAU1	KRAGCAU1	KRAGCAU2	KRAGCAU2
	Louvers	CAU1727	CAU1735	CAU1745	CAU1762
	Filter box (with a filter), 1 unit	CFIATE	CFIATE	CFIATI	CFIATI
	Filter	ATE218	ATE218	ATE219	ATE219
Flue pipes	Concentric wall duct C13	KC1380R			
	Concentric roof duct C33	KC3380R			
	Sealed wall/roof C53	KC5380R			
	Sealed roof chimney B23V	KB2380VR			
	Sealed wall chimney B23H	KB2380HR			
	Single extension 1 m	LE80100R			
	Single extension 0,5 m	LE80050R			
	Single elbow 45°	CE8045R			
	Single elbow 90°	CE8090R			
	Concentric extension 1 m	LC80100R			
	Concentric extension 0,5 m	LC80050R			
Concentric elbow 45°	CC8045R				
Concentric elbow 90°	CC8090R				
Regulation	Switch disconnecter	BSAT4P			
	Individual regulator ⁽²⁾	REG402			
	Regulator from 1 to 16 units ⁽²⁾	REG410			
	temperature sensor	REG401			

⁽¹⁾ Non stock item. ⁽²⁾ To choose your options and get the right reference, see to pages 40-41.



ATL



The newest air blower which reduces energy consumption up to 25 %

YAHEC Hot Air Blower – ATL serie is an efficient heating system with low energy consumption for livestock such as poultry houses. With a closed combustion chamber, this heater decreases the level of humidity and prevents typical diseases or death caused by dried environments.

TYPICAL APPLICATION



Livestocks



Greenhouses

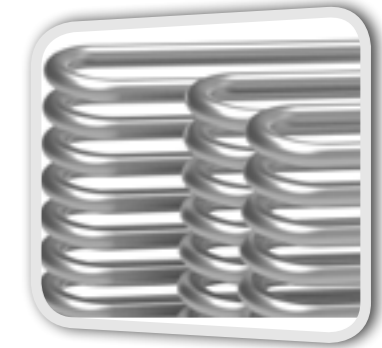
Indirect gas heater

The Hot Air Blower is running with natural gas (G20/G25) or propane (G31). The range includes 3 models from 50 kW to 100 kW and two version, stainless steel or galvanized steel body.

Product advantages	Customer benefits
Atmospheric burner	Efficiency up to 92%
No combustion gases into the house	Up to 25% less energy consumption into the room
Standard technology	Reliable and well proven technology
Removable panel access	Easy to clean and to service
Automatic security system	Safe use



Atmospheric burner



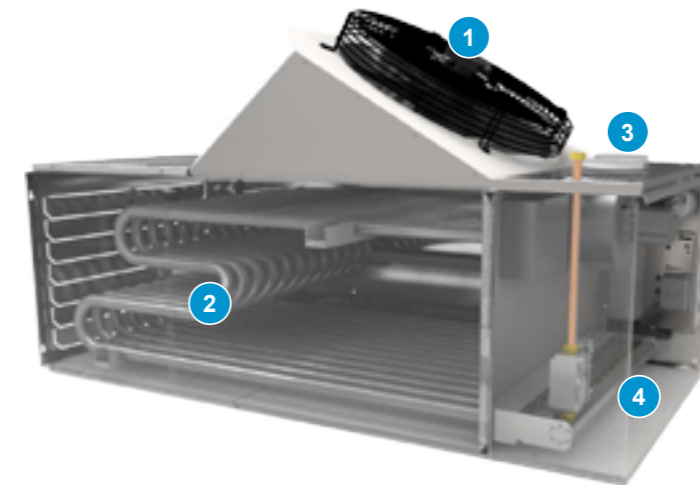
Seamless steel heat exchanger



Axial fan



Pilot wire card



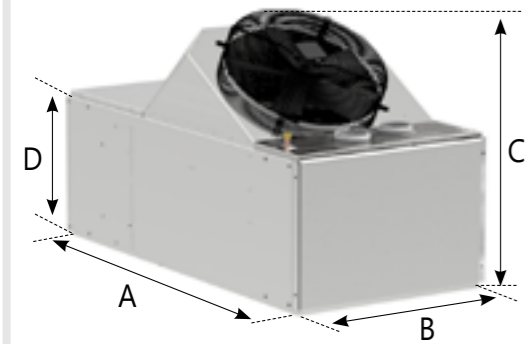
- 1 Axial fan
- 2 Tubular heat exchanger
- 3 Flue pipes for combustion air and fumes
- 4 Burner

Performances



Models	ATL50	ATL76	ATL100
Heat Input (kW)	50	76	98
Heat Output (kW)	46	70	90.2
Efficiency (%)	> 92%	> 92%	> 92%
Air flow T 15°C (m3/h)	4 500	6 600	9 000
Throw (m)	30	35	40

Dimensions



Models	ATL76
A (mm)	1 791
B (mm)	892
C (mm)	617
D (mm)	1 026
Gas (mm)	3/4"
Fumes (mm)	130
Air (mm)	130
Weight (kg)	200

Flue connections



Concentric wall duct C12



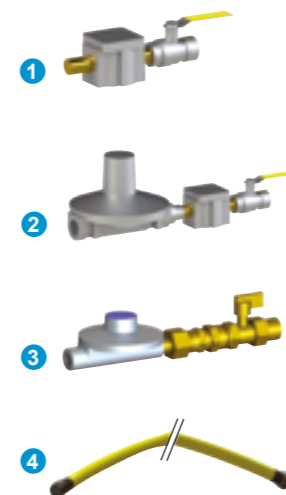
Concentric roof duct C32



Sealed roof chimney B22

References

Models	ATL50	ATL76	ATL100	
Indirect gas heater with galvanized body	ATL50H	ATL76H	ATL100H	
Indirect gas heater with stainless steel body	ATL50IH	ATL76IH	ATL100IH	
Gas connection	Natural gas kit 20 or 25 mBar	KGN20		
	Natural gas kit 300 mBar	KDGN55	KDGN100	KDGN100
	Propane gas kit 1,5 Bar	KDP55	KDP100	KDP100
	Flexible gas connection	FLEXIND3/4		
Fixa-tion	Support legs	COATL		
	Concentric wall duct C12	KC12130V		
	Concentric roof duct C32	KC32130V		
	Sealed roof chimney B22	KB22130V		
	Single extension 1 m	LE130100		
	Single extension 0,5 m	LE13050		
	Single elbow 45°	CE13045		
	Single elbow 90°	CE13090		
Flue pipes	Concentric extention 1 m	LC130100		
	Concentric extention 0,5 m	LC13050		
	Concentric elbow 45°	CC13045		
	Concentric elbow 90°	CC13090		
	Regulation	Switch disconnecter	BSAT4P	
		Thermostat + remote reset	TFP1	
		Timer thermostat + remote reset	TFP2TS (FR) / TFP2TSE (EN)	
		Timer thermostat with external sensor + remote reset	TFP3TS	





ATLE



The newest air blower which reduces energy consumption up to 25 %

YAHTEC Hot Air Blower – The ATLE can be installed outside without any damages. It will free space in your building. Plus the indirect gas combustion avoid any chance to have gases inside the poultry. Finally, this system allow to reduce by 25% the energy consumption.

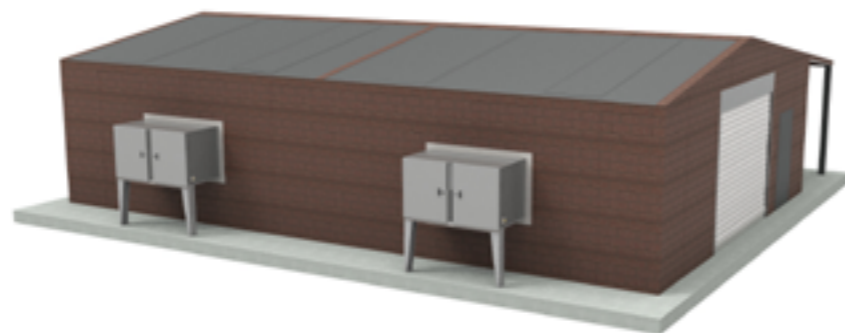
TYPICAL APPLICATION



Livestocks



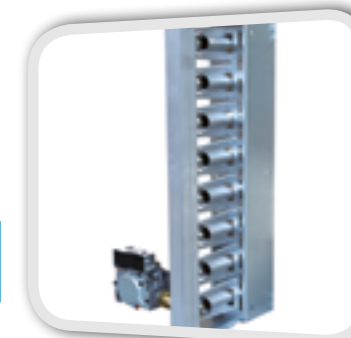
Greenhouses



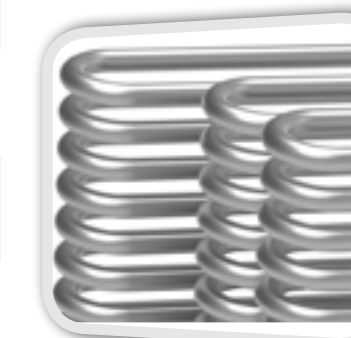
Indirect gas heater

The Hot Air Blower is running with natural gas (G20/G25) or propane (G31). The ATLE is available at the power of 75 Kw. Its body will resist to any weather condition.

Product advantages	Customer benefits
Exterior installation	Free some space inside
Atmospheric burner	Efficiency up to 95%
No combustion gases into the house	Up to 25% less energy consumption into the room
Regulation and management electronic card	Allow to manage the operations through a control panel
Removable panel access	Easy to clean and to service



Atmospheric burner



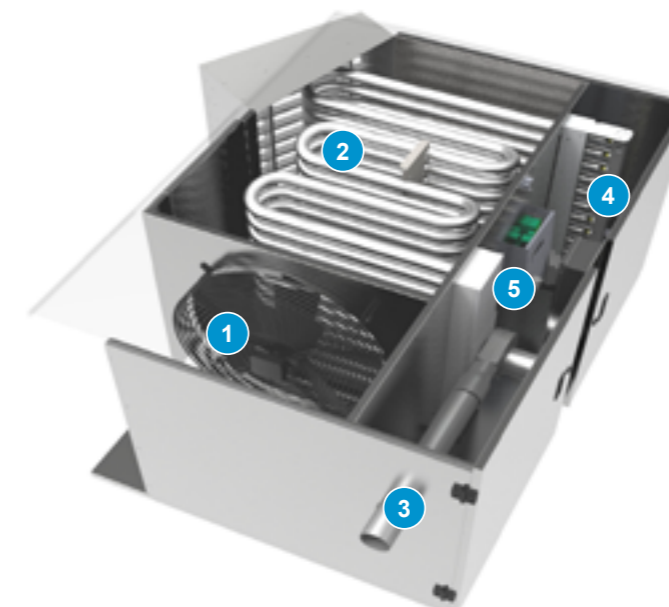
Tubular 6 golf seamless exchanger



Axial fan



Regulation and management card



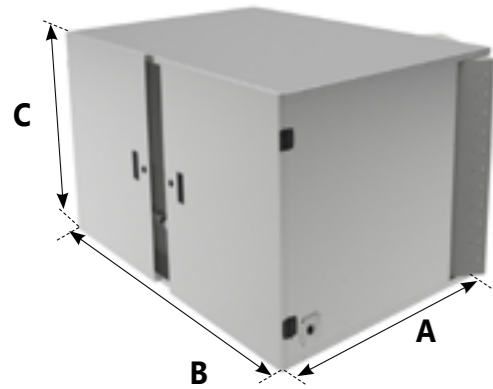
- 1 Axial fan
- 2 Tubular heat exchanger
- 3 Flue pipes for fumes
- 4 Multi jet Burner
- 5 Management & Regulation Card

Performances



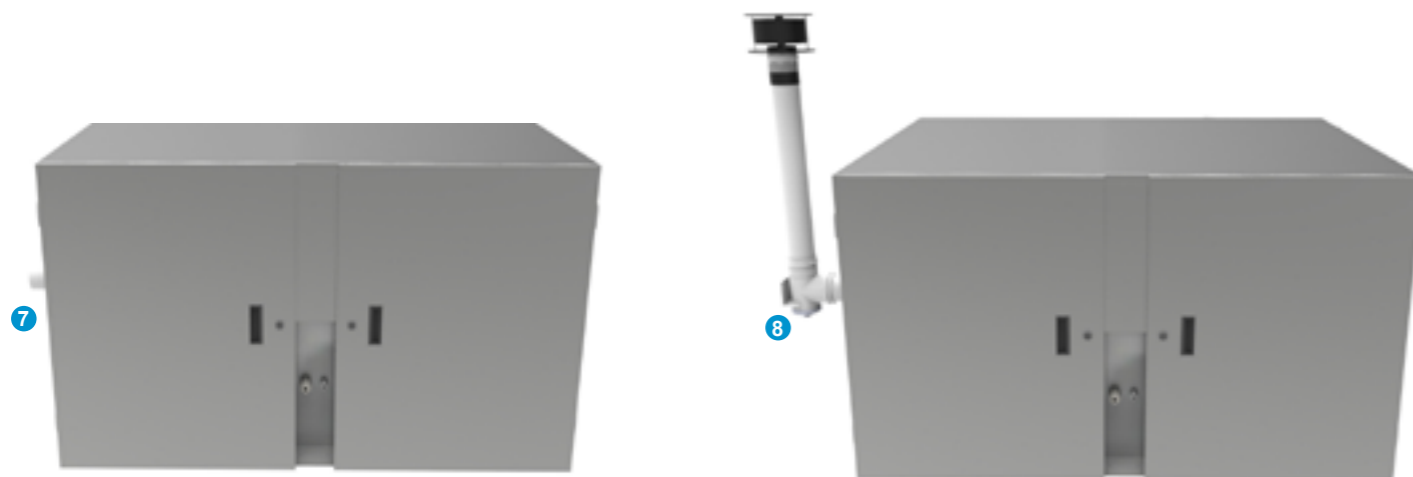
Models	ATLE75
Heat Input (kW)	72
Heat Output (kW)	68.4
Efficiency (%)	95%
Air flow T 15°C (m3/h)	6800
Delta T° (C°)	29,6

Dimensions



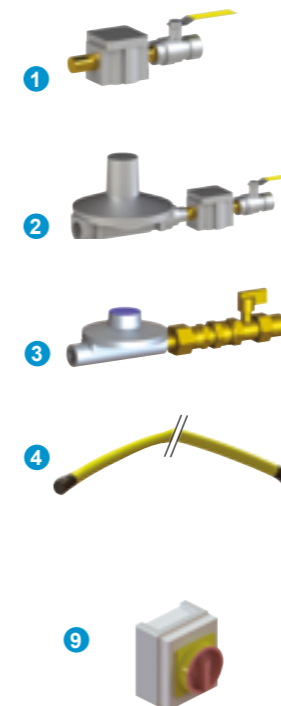
Models	ATLE75
A (mm)	1155
B (mm)	1655
C (mm)	875
Gas (mm)	3/4"
Fumes (mm)	80
Weight (kg)	250

Flue connections

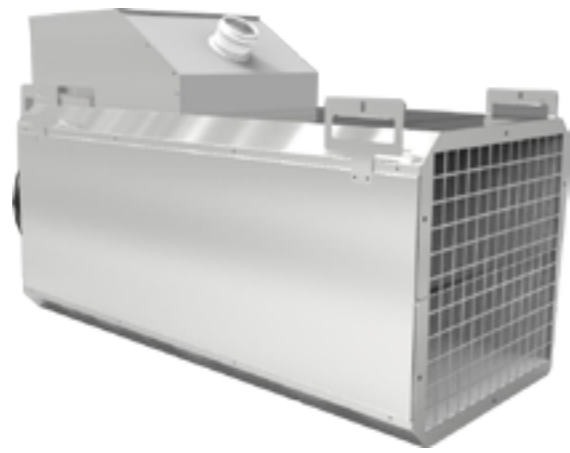


References

Models	ATLE75	
Indirect gas heater	ATLE75	
Gas connection	Natural gas kit 20 or 25 mBar	KGN20
	Natural gas kit 300 mBar ①	KDGN100
	Propane gas kit 1,5 Bar ②	KDP100
	Flexible gas connection ③	FLEXIND3/4
Fixation	Support legs ④	
	Wall frame ⑤	
Flue Pipes	Sealed roof Chimney B22 vertical ⑥	KB2280V
	Sealed roof chimney B22 horizontal ⑦	KB2280H
Regulation	⑧	
	Switch disconnecter ⑨	BSAT4P



RTG



Direct gas air heater with high power modulation

YAHEC Direct Gas Heater – RTG serie is a direct gas fired heater designed for poultry houses or greenhouses. With its modulating premix burner, the power capacity can down to 30 % which allows important energy savings.

TYPICAL APPLICATION



Livestocks



Greenhouses

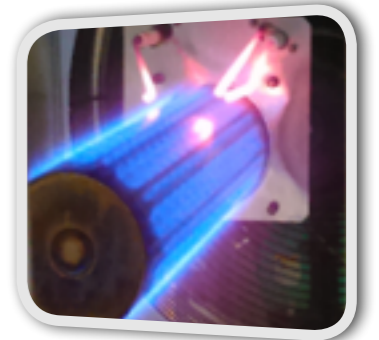


Industries

Direct Gas Air Heater

The Direct Gas Air Heater works with natural gas (G20/G25) or propane (G31). The range includes 3 models from 60 kW to 120 kW and two version, stainless steel or galvanized steel body.

Product advantages	Customer benefits
Modulating premix burner	Power modulation from 100% to 30%
Direct heat	100 % efficiency
Fresh air connection	No dust into the combustion chamber
High air flow rate	Good heat distribution
Removable panels	Easy to clean
Small and compact	Free space into the room
Integrated control board with ambient sensor (standard)	Autonomatc control (ON/OFF)
Integrated control board with 0-10 volt signal (option)	Remote control (modulation)



Premix burner



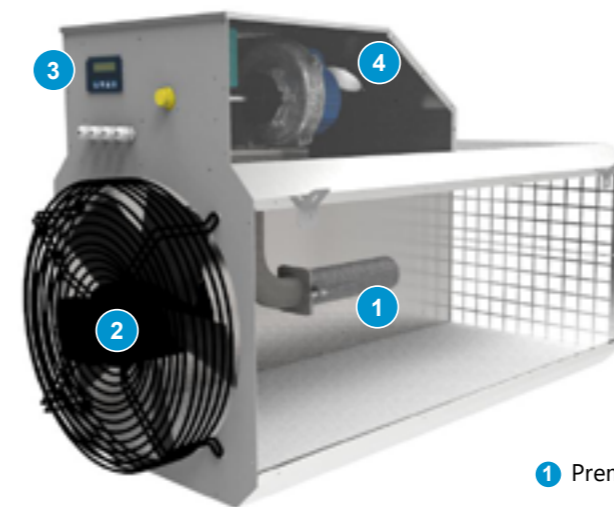
Axial fan



Protection grille



Control board



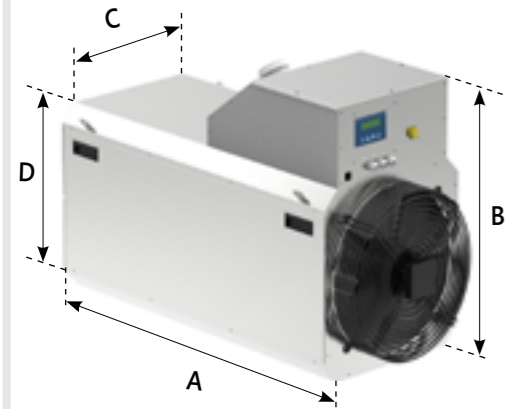
- 1 Premix burner
- 2 Axial fan
- 3 Control board
- 4 Combustion air inlet

Performances



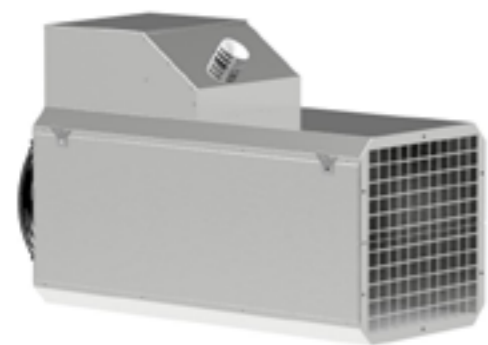
Models	RTG60	RTG90	RTG120
Minimum Heat Input (kW)	60	90	120
Maximum Heat Input (kW)	18	27	36
Efficiency	100 %	100 %	100 %
Air flow T 15°C (m3/h)	3 100	3 800	4 700

Dimensions

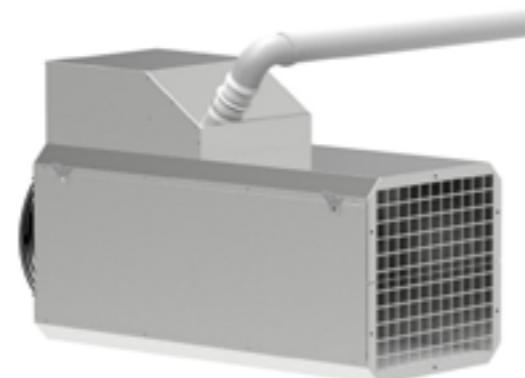


Models	RTG60	RTG90	RTG120
A (mm)	1 160	1 260	1 260
B (mm)	750	750	750
C (mm)	530	530	530
D (mm)	530	530	530
Gas (mm)	3/4"	3/4"	3/4"
Air (mm)	80	80	80
Weight (kg)	63	65	65

Combustion air connection



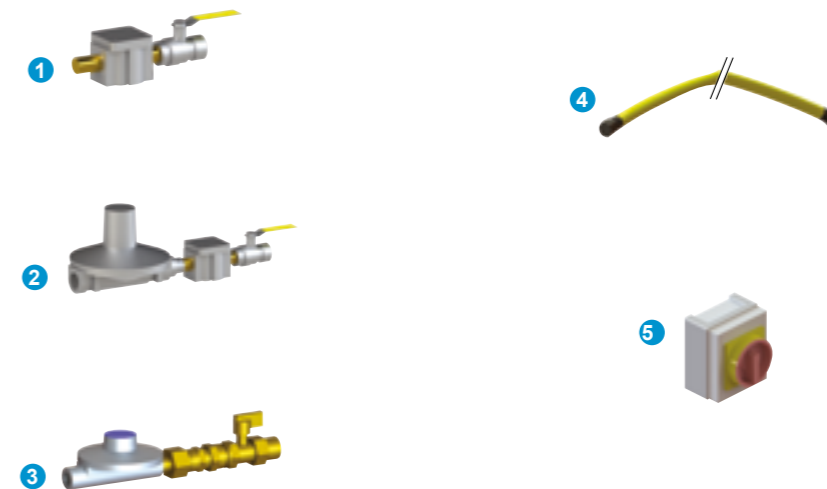
Air inlet grille



fresh air inlet pipe

References

Models	RTG60	RTG90	RTG120	
ON/OFF direct gas heater - Galvanized steel body	RTG60	RTG90	RTG120	
Modulating direct gas heater - Stainless steel body	RTG60I	RTG90I	RTG120I	
Gas connection	Natural gas kit 20 or 25 mBar	KGN20		
	Natural gas kit 300 mBar	KDGN55	KDGN100	KDGN100
	Propane gas kit 1,5 Bar	KDP55	KDP100	KDP100
	Flexible gas connection	FLEXID1/2	FLEXIND3/4	FLEXIND3/4
Combustion air Pipes	Single extension 1 m	LE100100	LE80130	LE130100
	Single extension 0,5 m	LE100050	LE13050	LE13050
	Single elbow 45°	CE10045	CE13045	CE13045
	Single elbow 90°	CE10090	CE13090	CE13090
Elec.	Switch disconnecter	5 BSAT4P		



VEX



Compact solution
For heating and cooling

YAHTEC Water Air Heater – VEX series is a water heater designed for large volume buildings. It allows to heat up very quickly the room while achieving a sufficient mixing of air to prevent air stratification.

TYPICAL APPLICATION

- | | |
|--|--|
|  Industries |  Supermarkets |
|  Sport facilities |  Warehouses |
|  Workshops |  Greenhouses |

Water Air Heater

Water air heaters VEX are composed of an axial fan and a water heat exchanger. The range includes 11 models which are available in horizontal and vertical version.

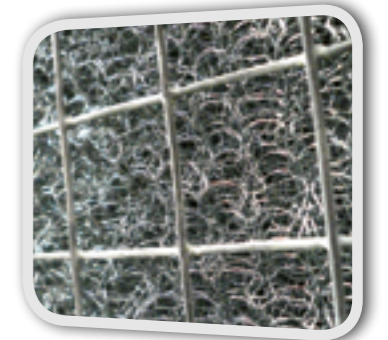
Product advantages	Customer benefits
Heating coil Cu/Al	Excellent thermal performances
Reversible system	Heating and cooling
Compact unit	Rapide and easy installation
Quick heating	Immediate comfort (less than 1 minute)
Large choice of accessories	Polyvalent heater



Water heat exchanger



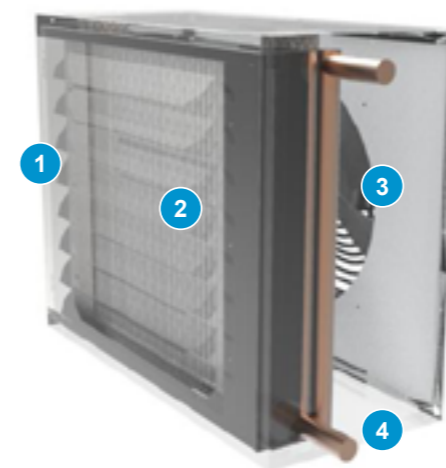
Profile aluminium louver option



Moisture collector



Condensate drain pan



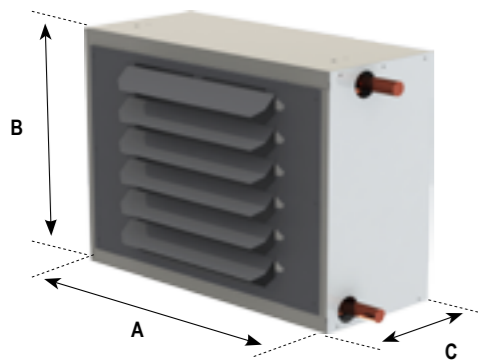
- 1 Louver
- 2 Coil
- 3 Axial fan
- 4 Water connection

Performances

Models		VEX331	VEX332	VEX333	VEX442	VEX443	VEX452	VEX453	VEX552	VEX553	VEX662	VEX663
Heating models ⁽³⁾	High speed											
	Air flow (m ³ /h)	1900	1815	1700	3300	3025	3855	3450	4200	3960	7920	7150
	Power (kW)	8.3	14.3	18.2	24.1	30.7	26.4	33.4	30.5	39.5	49.7	66.8
	Water flow (l/s)	0.1	0.17	0.22	0.29	0.37	0.31	0.4	0.36	0.47	0.59	0.8
Water ΔP (Kpa)	2.4	1.3	1.1	4.1	3.3	4.8	3.8	1.5	1.3	4	9.3	
Low speed	Air flow (m ³ /h)	1485	1440	1355	2860	2640	3105	2875	3360	3240	6600	5800
	Power (kW)	7.3	12.5	15.7	22.2	28.2	23.3	29.8	26.7	34.7	44.9	58.6
	Water flow (l/s)	0.09	0.15	0.19	0.26	0.34	0.28	0.36	0.32	0.41	0.54	0.7
	Water ΔP (Kpa)	1.9	1	0.8	3.5	2.8	3.9	3.1	1.2	1.1	3.4	7.4
Cooling models ⁽⁴⁾	High speed											
	Air flow (m ³ /h)	-	1600	1500	2900	2670	-	-	3400	3200	-	-
	Power (kW)	-	2.7	3.6	5	6.7	-	-	5.4	7.2	-	-
	Water flow (l/s)	-	0.13	0.17	0.24	0.32	-	-	0.26	0.34	-	-
Water ΔP (Kpa)	-	1	0.9	3.8	3.2	-	-	1	1	-	-	
Low speed	Air flow (m ³ /h)	-	1270	1190	2500	2330	-	-	2720	2620	-	-
	Power (kW)	-	2.4	3.2	4.7	6.2	-	-	4.8	6.5	-	-
	Water flow (l/s)	-	0.12	0.15	0.22	0.3	-	-	0.23	0.31	-	-
	Water ΔP (Kpa)	-	0.8	0.7	3.3	2.8	-	-	0.8	0.8	-	-

⁽¹⁾ The levels of acoustic pressure given for standard at 5m of a unit - Allowance ± 2 dB(A). ⁽²⁾ Thermostat output 230 V.
⁽³⁾ Air Temp. 15°C - Fluid 80/60°C. ⁽⁴⁾ Air Temp. 25°C- Fluid 07/12°C. ⁽⁵⁾ Mono speed motor except VT size 7.

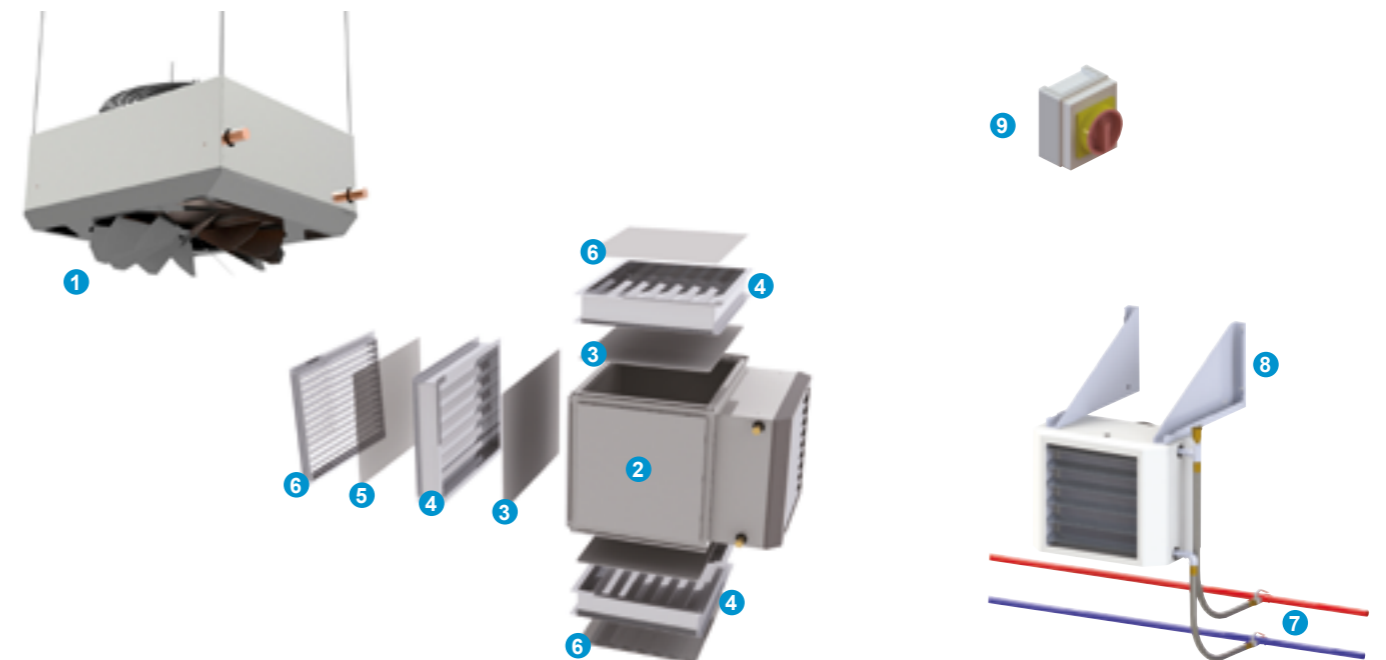
Dimensions



Models	VEX3	VEX4	VEX5	VEX6
A (mm)	615	720	805	915
B (mm)	490	570	655	735
C (mm)	406	418	418	426
Weight (kg)	25	41	50	53

References

Models		VEX331	VEX332	VEX333	VEX442	VEX443	VEX452	VEX453	VEX552	VEX553	VEX662	VEX663
Water heater single phased												
Water heater three-phase ⁽⁵⁾												
Accessories	Rose blowing	1	VEV306		VEV406		VEV406		VEV506		VEV606	
	Mixing box	2	CUVE3		CUVE4		CUVE4		CUVE45		CUVE6	
	Filter	3	FIVE34		FIVE34		FIVE34		FIVE56		FIVE56	
	Filter box + Filter		CFIVE3		CFIVE4		CFIVE4		CFIVE5		CFIVE6	
	Register	4	RRVE34S		RRVE34S		RRVE34S		RRVE56S		RRVE56S	
	Obstructed sheet metal	5	TOVE34		TOVE34		TOVE34		TOVE56		TOVE56	
	External louvers	6	GEVE34		GEVE34		GEVE34		GEVE56		GEVE56	
	Hydraulic kit	7	FLEXVE3		FLEXVE4		FLEXVE4		FLEXVE4		FLEXVE4	
	Wall-mounting brackets	8	EQVE1		EQVE1		EQVE1		EQVE2		EQVE2	
	Cold water kit		FJ3VEX		FJ4VEX		FJ4VEX		FJ5VEX		FJ6VEX	
Regulation	KRSJ kit for CORAT											KIPNVE
	Switch disconnecter	9										BSAT4P
	Thermostat (2.5 A) ⁽²⁾											PB172
	Selector 2 speeds											SVE001



SDS



Air mixing for homogenous temperature and significant energy saving.

YAHTEC Destratification Fan - SDS are used for air mix in the building and as a result economize the energy (up to 30%).

TYPICAL APPLICATION



Industries



Supermarkets



Sport facilities



Restaurants



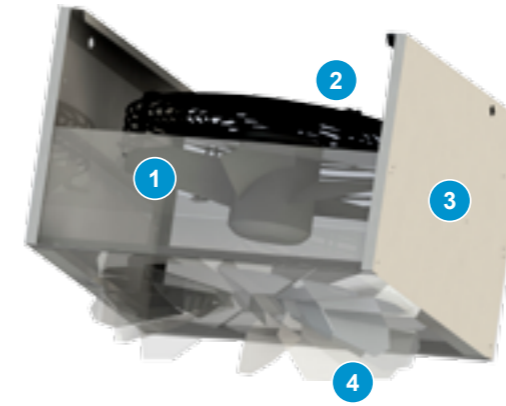
Workshops



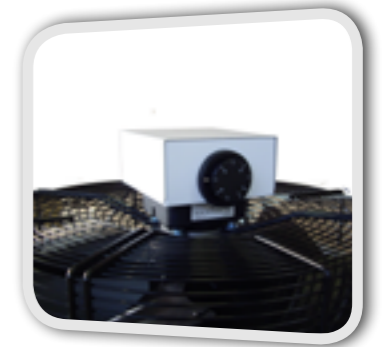
Warehouses

Destratification Fan

Destratification fans SDS are composed of an axial fan and adjustable louvers. The range includes 3 models.



- 1 Axial fan
- 2 Thermostat
- 3 Destratificator body
- 4 Louver series for vertical blowing

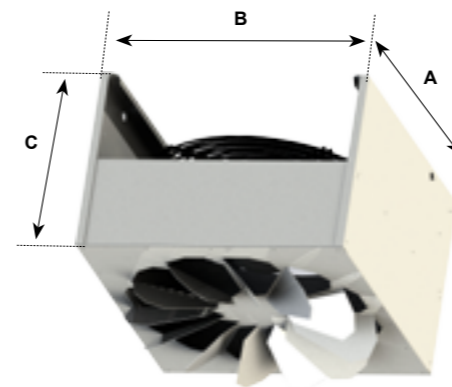


Integrated thermostat



Louver series

Dimensions, performances and prices



Models	SDS 4	SDS 6	SDS 10
A (mm)	600	600	650
B (mm)	650	650	1 200
C (mm)	400	400	400
Weight (kg)	18	21	36
Air flow (m ³ /h)	3 600	5 500	9 400
Installation height (m)	4	6	10
Range (m) ⁽¹⁾	8	10	15
Motor power (W) ⁽²⁾	160	430	410
Price	-	-	-

⁽¹⁾ Data for Δt 10°C. ⁽²⁾ Motor Single-phase 230 V.

YACH



Economical and comfortable solution to protect door openings

YAHTEC Gas Air Curtains - YACH series is specially elaborated to protect the room against uncontrolled external airflow through the doors or building openings. It helps to save energy which is used for keeping a desired temperature in the building.

TYPICAL APPLICATION



Industries



Stores



Workshops

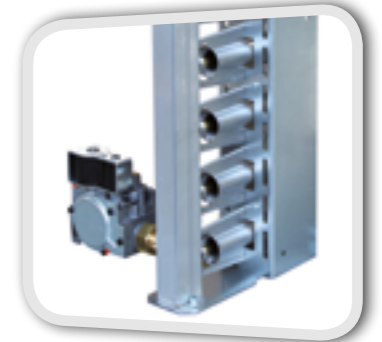


Warehouses

Gas Air Curtain

Gas-fired air curtain YAC-H is composed of a tubular heat exchanger and a multi-jet gas burner which works with natural gas (G20/G25) or propane gas (G31). The range includes 2 models from 38kW to 45 kW. YACH-H are used to protect doors from 3 till 6 meters.

Product advantages	Customer benefits
Multi-jet gas burner	Homogenous flame and temperature Not sensitive to pressure variations
1.5 mm thickness heat exchanger in aluminized steel, no welding	Efficient heat exchange Long life service
Compact device	Easy and simple assembly
Efficient air blast	Strong thermal barrier to avoid outside airflow to come inside
Pilot wire card (in standard)	Regulation of several devices by one thermostat
Automatic security system	Safe use
Reset button on the thermostat	Easy use
Heating or Ventilation	Use in summer and winter time



Multi-jet gas burner



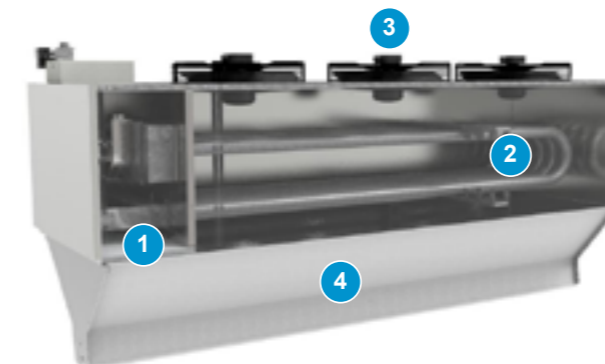
Tubular heat exchanger



Pilot wire



Diffuser



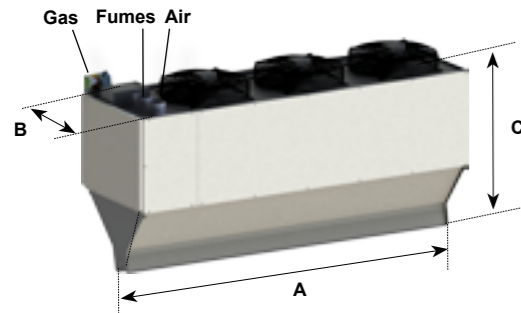
- 1 Multi-jet gas burner
- 2 Tubular heat exchanger
- 3 Axial fans
- 4 Diffuser

Performances

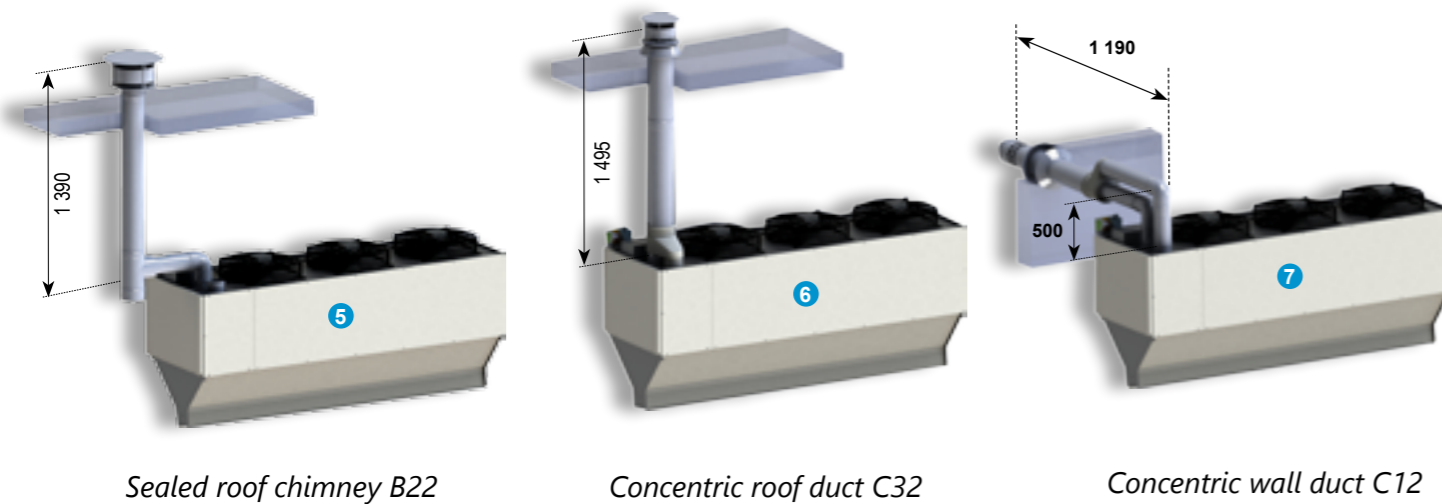
Models	YAC 35 H	YAC 45 H
Power (kW)	38	45
Useful power (kW)	34.6	41
Efficiency (%)	> 91	> 91
Air flow (m3/h)	6 500	10 500
Installation height (m)	5	6

Dimensions

Models	YAC 35 H	YAC 45 H
A (mm)	1 960	1 960
B (mm)	610	610
C (mm)	1 050	1 050
Ø Gas (mm)	3/4"	3/4"
Ø Fumes (mm)	100	100
Ø Air (mm)	100	100
Weight (kg)	151	173



Flue connections



Sealed roof chimney B22

Concentric roof duct C32

Concentric wall duct C12

References

Models	YAC 35 H	YAC 45 H	
Gas air curtain	YAC35H	YAC45H	
Diffuser option 2,5 meters	-		
Gas connection	Natural gas kit 20 or 25 mBar	1	KG20
	Natural gas kit 300 mBar	2	KDGN55
	Propane gas kit 1,5 Bar	3	KDP55
	Flexible gas connection 3/4"	4	FLEXIND3/4
Fix.	Wall-mounting brackets*	10	COAT
	Sealed roof chimney B22	5	KB22100YH
Flue pipes	Concentric roof duct C32	6	KC32100YH
	Concentric wall duct C12	7	KC12100YH
	Single extension 1 m		LE100100
	Single extension 0,5 m		LE100050
	Single elbow 45°		CE10045
	Single elbow 90°		CE10090
Regul.	Switch disconnecter	8	BSAT4P
	Thermostat + remote reset	9	TFP1-ET85P1

* Cannot be fixed directly on the unit. Threaded rods required (not supplied).



YACV



Convenient and comfortable, this hot air curtain will protect your door openings, whatever the size of the door

YAHTEC Gas Air Curtains - YACV series protect your door openings from the cold outside, or even avoid any heating loss inside. The YACH can be set until 4 meters to fully cover a door opening.

TYPICAL APPLICATION



Industries



Stores



Workshops



Warehouses

Gas Air Curtain

Gas-fired air curtain YAC-V is composed of a gas heater, and air curtains (hot/ambient), which works with natural gas (G20/G25) or propane gas (G31). The range includes 3 models 36kW, 55kW and 75 kW. YAC-V are used to protect doors from 2 till 4 meters height.

Product advantages	Customer benefits
Efficient air blast	Strong thermal barrier to avoid any cold air entrance or warm fair loss
Heated and/or ambient door curtain	Flexibility according to each door and user needs
Heating or Ventilation only	Use in summer and winter time
Gas heater with air curtains	Protect the door and heat the area



ATV 36 or 75



Axial fans

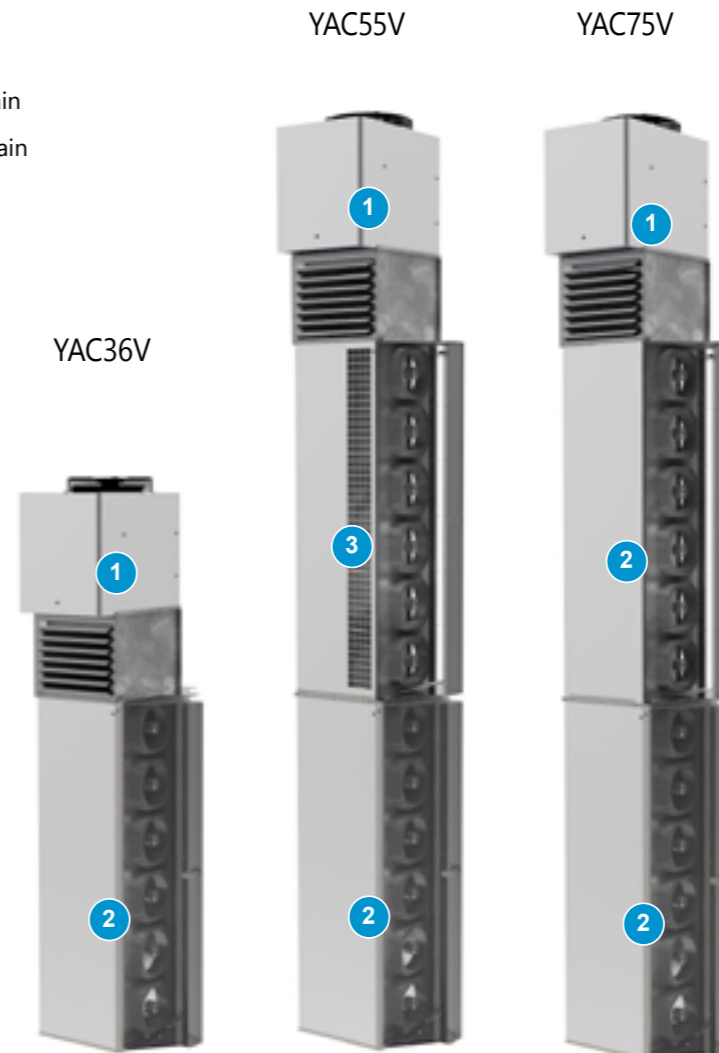


Gas heater diffuser



Air curtain diffuser

- 1 Gas heater
- 2 Heating air curtain
- 3 Ambient air curtain



YAC55V

YAC75V

YAC36V

Performances

Models	YAC 36 V	YAC 55 V	YAC 75 V 4M
Power (kW)	36	55	71
Useful power (kW)	32,5	50	64,4
Efficiency (%)	> 91	> 91	> 91
Air flow (m3/h)	4400	9200	9200
Installation height (m)	3,3	5,3	5,3

Dimensions

Models	YAC 36 V	YAC 55 V	YAC 75 V
A (mm)	2000	2000	2000
B (mm)	870	870	870
C (mm)	650	650	650
D (mm)	-	4000	4000
E (mm)	490	490	490
F (mm)	820	820	840
G (mm)	570	700	820
H (mm)	810	1040	1120
Ø Gas (mm)	1/2"	1/2"	3/4"
Ø Fumes (mm)	80	130	130
Ø Air (mm)	125	130	130

References

Models	YAC 36 V	YAC 55 V	YAC 75 V		
Vertical gas air heater 2 stages	AT36V	AT55V	AT55V		
Gas connection	Natural gas kit 20 or 25 mBar	1 KGN20			
	Natural gas kit 300 mBar	2 KDGN55	KDGN55	KDGN55	
	Propane gas kit 1,5 Bar	3 KDP55	KDP55	KDP55	
	Flexible gas connection	4 FLEXIND1/2	FLEXIND1/2	FLEXIND1/2	
Fix.	Wall-mounting brackets	5 COATV	COATV	COATV	
	Sealed roof chimney B22	6 KB2280V	KB22130V	KB22130V	
	Concentric roof duct C32	7 KC3280V	KC32130V	KC32130V	
	Single extension 1 m	LE80100	LE130100	LE130100	
	Single extension 0,5 m	LE80050	LE130050	LE130050	
	Single elbow 45°	CE8045	CE13045	CE13045	
	Single elbow 90°	CE8090	CE13090	CE13090	
Flue pipes	Concentric extension 1 m	LC80100	-	-	
	Concentric extension 0,5 m	LC80050	-	-	
	Concentric elbow 45°	CC80	-	-	
	Concentric elbow 90°	CC8090	-	-	
	Regulation	Switch disconnecter	8	BSAT4P	
		Thermostat + remote reset	9	TFP2TSE	

Flue connections

Model 36

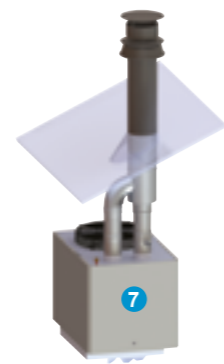
Model 55-75



Concentric roof duct C32
maximum length : 6m



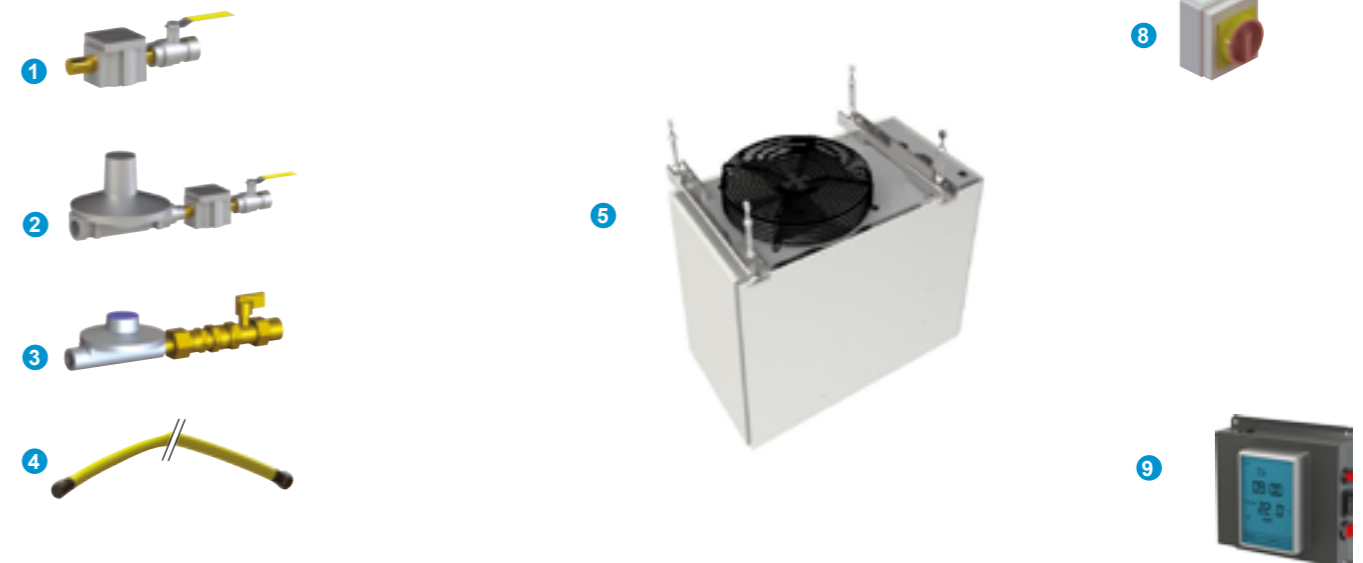
Sealed roof chimney B22
maximum length : 8m



Concentric roof duct C32
maximum length : 8m



Sealed roof chimney B22
maximum length : 8m



YACA

Ambiant Air Curtain



Economical solution
to protect door openings

YAHTEC Ambient Air Curtain - YACA series protects against uncontrolled incoming airflow. It helps to save energy by delivering a powerful air barrier across the entire width of the doorway.

TYPICAL APPLICATION



Industries



Supermarkets



Workshops



Warehouses

Ambiant air curtain uses the air of the room to create a barrier at the opening of the door. It is made of fans and an efficient diffuser. The range consists of 3 models from 1 meters to 2 meters. YACA is used to protect the doors from 3 to 6 meters high and can be installed horizontally or vertically.

Product advantages	Customer benefits
Strong air blast	Against cold air, pollution, etc.
Compact device	Easy and simple assembly
Universal installation	Horizontal or Vertical mounting

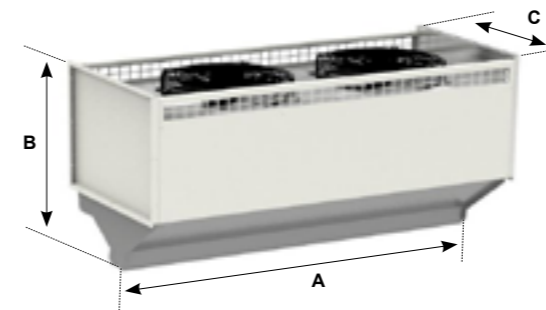


Axial fan



Diffuser

Performances and dimensions



Models	YAC1A	YAC1.5A	YAC2A
Diffusor (mm)	1 000	1 500	2 000
Air flow (m ³ /h)	3 300	5 000	6 680
Electrical power (W)	420	620	850
Max. door size (m)	6	6	6
A (mm)	950	1 472	2 002
B (mm)	867	867	867
C (mm)	650	650	650

References

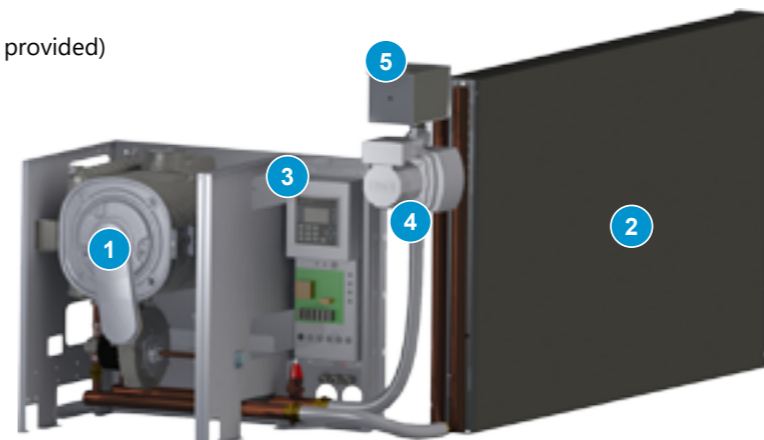
Models	YAC1A	YAC1.5A	YAC2A
Ambient air curtain	YAC1A	YAC1.5A	YAC2A
Stacking adapter		KSWGv	
Switch disconnecter		BSAT4P	

MTG



Autonomous and high efficiency heating system for AHU

YAHTEC Heating Module - MTG is specifically designed for air handling units and rooftops. It reduces energy requirements and dramatically increases combustion thermal efficiency. This new module meets the needs of today's demanding market.

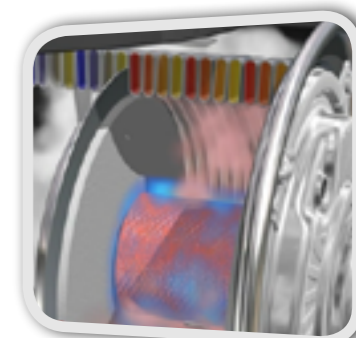


- 1 Heating body
- 2 Coil (not provided)
- 3 Regulator
- 4 Pump
- 5 Tank (not provided)

Condensing Thermal Module

The thermal module MTG is composed of an high efficiency gas boiler with a modulating burner. It operates on natural gas (G20/G25) or propane gas (G31). The range consists of 4 models from 70 kW to 280 kW.

Product advantages	Customer benefits
Compact module Easy to integrate on standard unit	Reduce cost development
High thermal efficiency From 98% to 108%	The highest efficiency on the market Reduce the energy consumption
Pre-mix gas burner with low NOx emissions (<20mg/kWh)	The latest technology Ensure environmental compliance
High turndown ratio 16:1 in standard and 60:1 in option	Highest efficiency : uses only the power required to provide maximum savings.
Water temperature in the coil cannot exceed 95°C	No risk of overheating with variable air flow or electricity shutdown
Separation of combustion and heating circuit	Total safety : no combustion product can be mixed with air flow
Communication 0-10V Or Modbus in option	Simple and easy communication Or intelligent regulation



Condensing gas boiler



Safety devices



Electronic PCB



Regulator 0-10 V

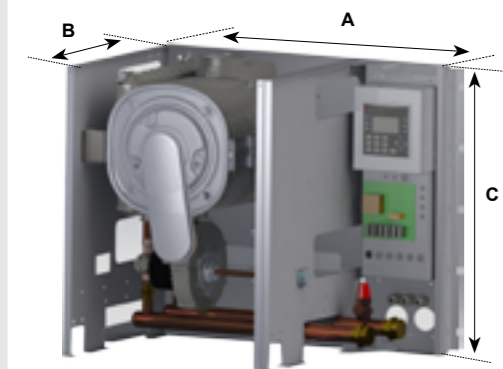
Performances

Models	MTG70		MTG140		MTG210		MTG280	
	Maxi	Mini	Maxi	Mini	Maxi	Mini	Maxi	Mini
Heat input HHV (kW)	70	17.5	140	17.5	210	17.5	280	17.5
Nominal power output (kW)	61.7	15.5	123.4	15.5	185.1	15.5	246.8	15.5
Efficiency LHV (%)	98	108	98	108	98	108	98	108
Standard turndown ratio	4:1		8:1		12:1		16:1	
Gas pressure	20 or 25 mbar for natural gas - 37 mbar for propane							

Dimensions

Models	MTG70	MTG140	MTG210	MTG280
A (mm)	698	1158	1618	2078
B (mm)	480	480	480	480
C (mm)	618	618	618	618
Ø Gas	3/4"	1" 1/4"	1" 1/4"	1" 1/4"
Fumes (mm)	80 or 60 ⁽¹⁾	80 or 60 ⁽¹⁾	80 or 60 ⁽¹⁾	80 or 60 ⁽¹⁾
Weigth (kg)	42	73	104	135

⁽¹⁾ Only on request



References

Models		MTG70	MTG140	MTG210	MTG280
Standard thermal module with pump		KMTG70	KMTG140	KMTG210	KMTG280
Flue pipes	Concentric vertical terminal C33 ①			KC3380R	
	Concentric horizontal terminal C13 ②			KC1380R	
	Single vertical terminal B23V ③			KB2380VR	
	Single horizontal terminal B23H ④			KC2380HR	
	Single extension 1 m Ø 80			LE80100R	
	Single extension 0,5 m Ø 80			LE80050R	
	Concentric extension 1 m Ø 80			LC80100R	
	Concentric extension 0,5 m Ø 80			LC80050R	
Accessories	Condensate drain pan	BAC001	BAC002	BAC002	BAC003
	Communicative Modbus Controller	REG303			

Flue connections



Concentric vertical terminal C33



Single vertical terminal B23



Concentric horizontal terminal C13



Single horizontal terminal C23

GFM



Simple cooling unit for temporary buildings

YAHEC Mobile Cooling Unit – GFM Cooling Unit has been designed to provide air conditioning in temporary or transportable buildings. This solution is based on a cooling circuit ventilated by one or two fan units. It is ideal for rental use thanks to its wheels and its easy operation.

TYPICAL APPLICATION



Tents



Showroom

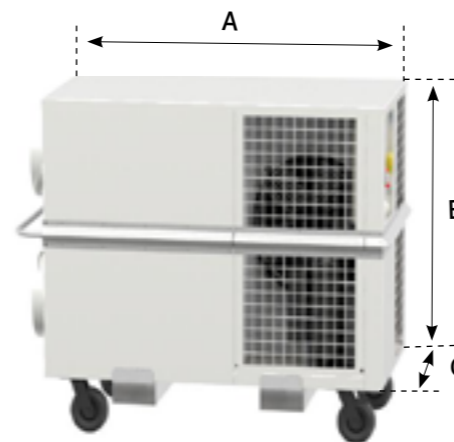
Mobile Cooling Unit

The mobile cooling unit GFM is composed of fan blowers, cooling unit and heat pump. The range includes 3 models from 7 kW to 34 kW cooling and 8.6 kW to 40 kW heating.

Product advantages	Customer benefits
Reversible system	Cooling and heating
Plug and play solution	Simple and easy to install and use
Wheels and/or lifting hooks	Easy transportation
Robust and insulating structure	Indoor and outdoor applications



Performances

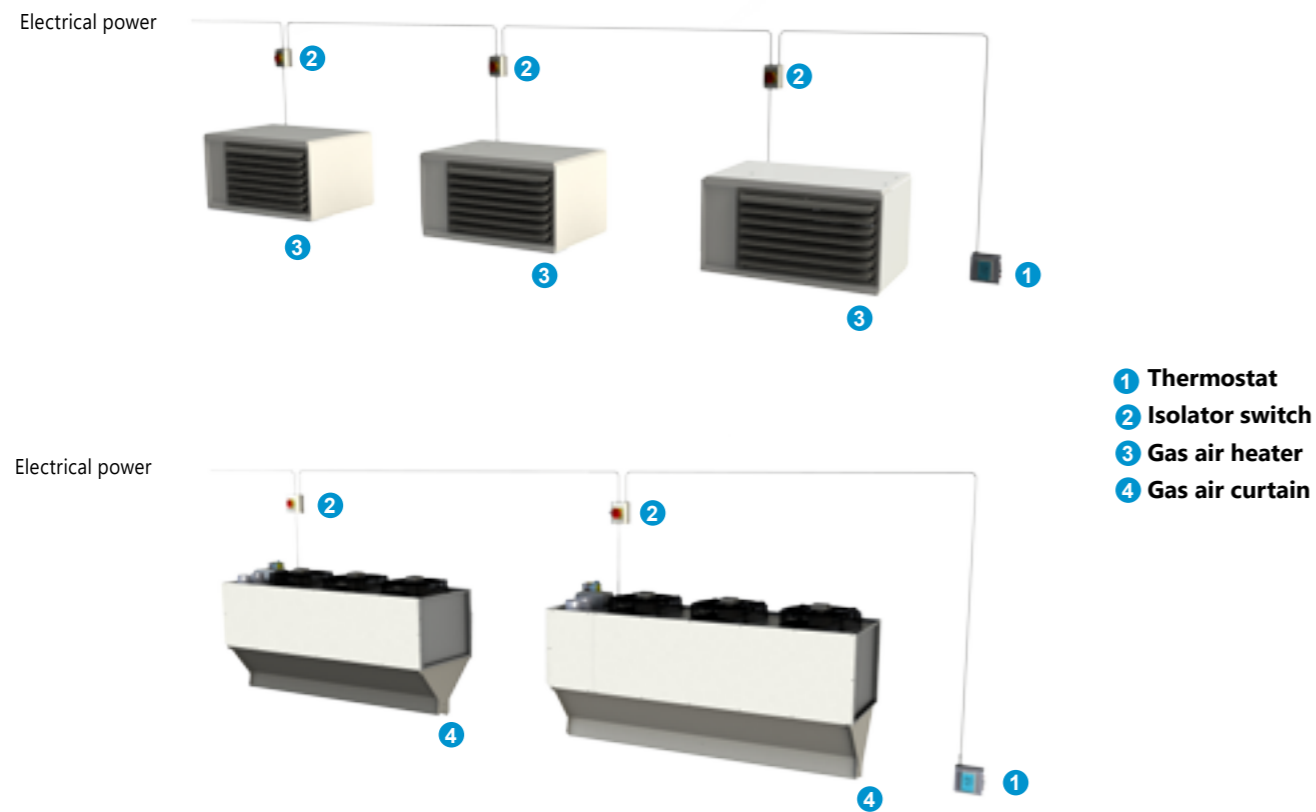


Models	GFM07	GFM17	GFM34
Cooling capacity (kW)	7.3	17	34
Heating capacity (kW)	8.6	20	40
Airflow (m3/h)	1 500	3 500	7 000
Refrigerant type	R410A	R410A	R410A
A (mm)	167	167	171
B (mm)	80	118	118
C (mm)	104	135	144
Weight (kg)	235	335	580
Price	-	-	-



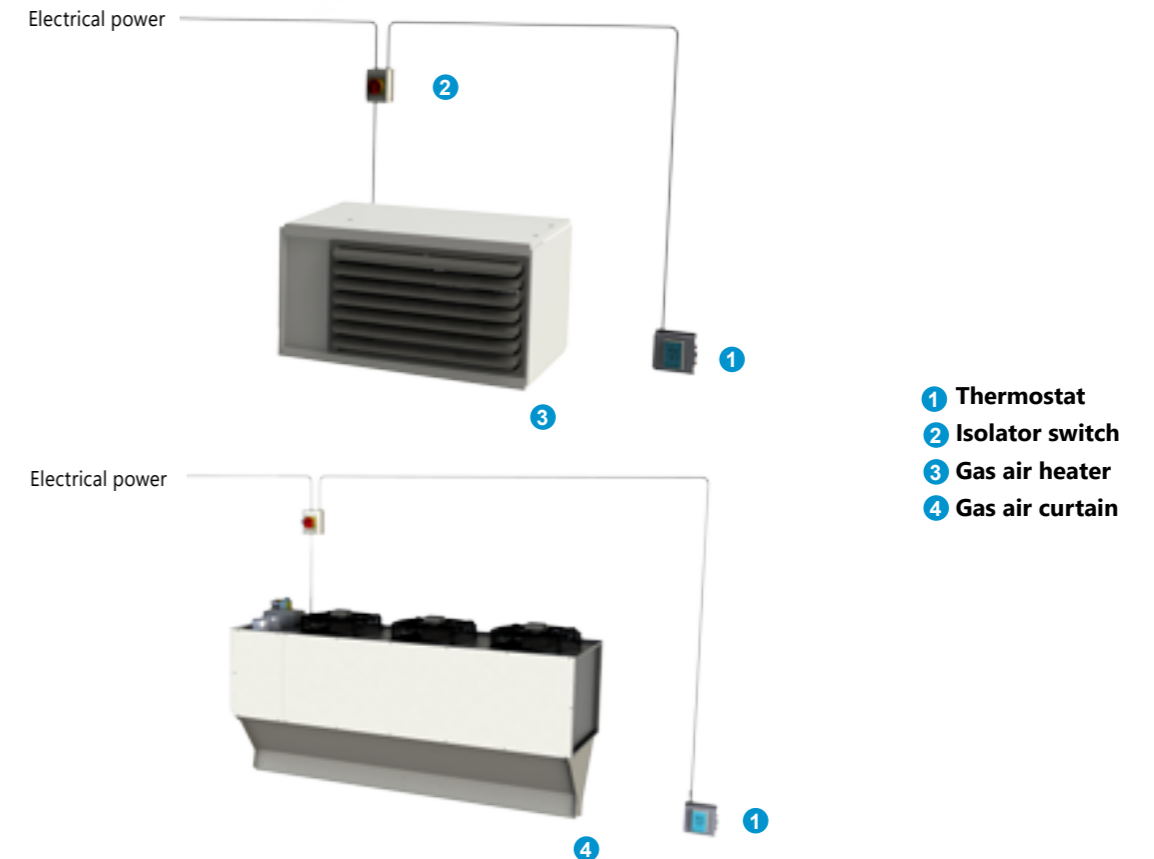
Centralized regulation system

Gas-fired air units are fitted with a pilot wire receiver as standard, allowing the thermostat and remote reset functions to be conveyed by a single conductor. This type of regulation can manage and control several gas air units in one temperature zone.



Individual regulation system

Gas-fired air units can be regulated individually by thermostats TFP1, TFP2TSE, TFP3TS. In order to put another thermostat you should use a control unit (interface) REG110. For return of information (defect indicator lamp) you should use REG111 or TFP2TSE (5 cables).



Models	TFP1	TFP2TSE*	TFP3S
Views			
Description	Simple thermostat	Programmable touchscreen thermostat	Programmable thermostat with remote sensor
Application	Gas-fired air heater	Gas-fired air heater	Gas-fired air curtain Gas-fired air heater
Remote On /Off	Yes	Yes	Yes
Burner reset	Yes	Yes	Yes
Timer set up	-	Yes	Yes
Defect indicator lamp	-	Yes	Yes
Deported sensor	-	-	Yes

*Defect indicator lamp (in option): For connecting a defect indicator lamp change the cable 4*1.5 by the cable 5*1.5, ref. CAB0101.

Models	TFP1	TFP2TSE*	TFP3S	REG110*
Views				
Description	Simple thermostat	Programmable touchscreen thermostat	Programmable thermostat with remote sensor	Individual control box
Application	Gas-fired air heater	Gas-fired air heater	Gas-fired air heater Gas-fired air curtain	Gas-fired air heater
Remote On /Off	Yes	Yes	Yes	Yes
Burner reset	Yes	Yes	Yes	Yes
Defect indicator lamp	-	Yes	Yes	Yes
Timer set up	-	Yes	Yes	-
Deported sensor	-	-	Yes	-

*REG110 has a 4 m of cable with a connector.

REGULATION

Presentation of REG410

The regulator for condensing gas units REG410 is a smart and communicative system which allows to control from 1 to 16 units, until 2 heating control zones, 1 fresh air supply zone and 6 doors for condensing gas air curtains.

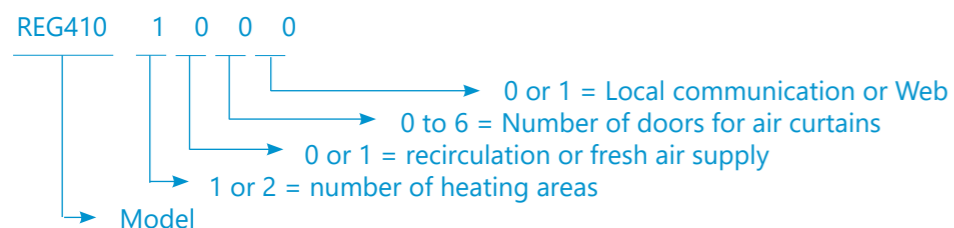
This controller analyses the information transmitted by the temperature sensors and device's components in order to cope with variations and optimize its operational characteristics. This regulation is crucial for the managing of condensing gas units and improving its performances. It helps to heat economically and efficiently.



Product advantages	Clients benefits
Programming by hour, day, week and period of occupancy	Energy efficiency and saving. Anticipation of heating needs.
Controls up to 16 units and 6 doors	Single control point. Centralized regulation.
1 or 2 heating temperature zones 1 fresh air supply zone	Adaptation to the local conditions and needs.
Heating power and air flow adjustment thanks to indoor and outdoor sensors	Smart system. Energy savings.
Operational status information (ok / default)	Easy maintenance.
Burner reset per unit Available from the regulation	Easy to reset.
Communicative system by Modbus (and Internet)	Big choice of tools to manage the system: Computer, smartphone, tablet,...
Keyboard locking for settings	Safety use

Reference for order

The code of the controller for district heating is composed of a generic code, REG410, then of 4 numbers corresponding to its features. We recommend you to refer to the reference nomenclature here below in order to check that the delivered goods fit with the need of your installation.

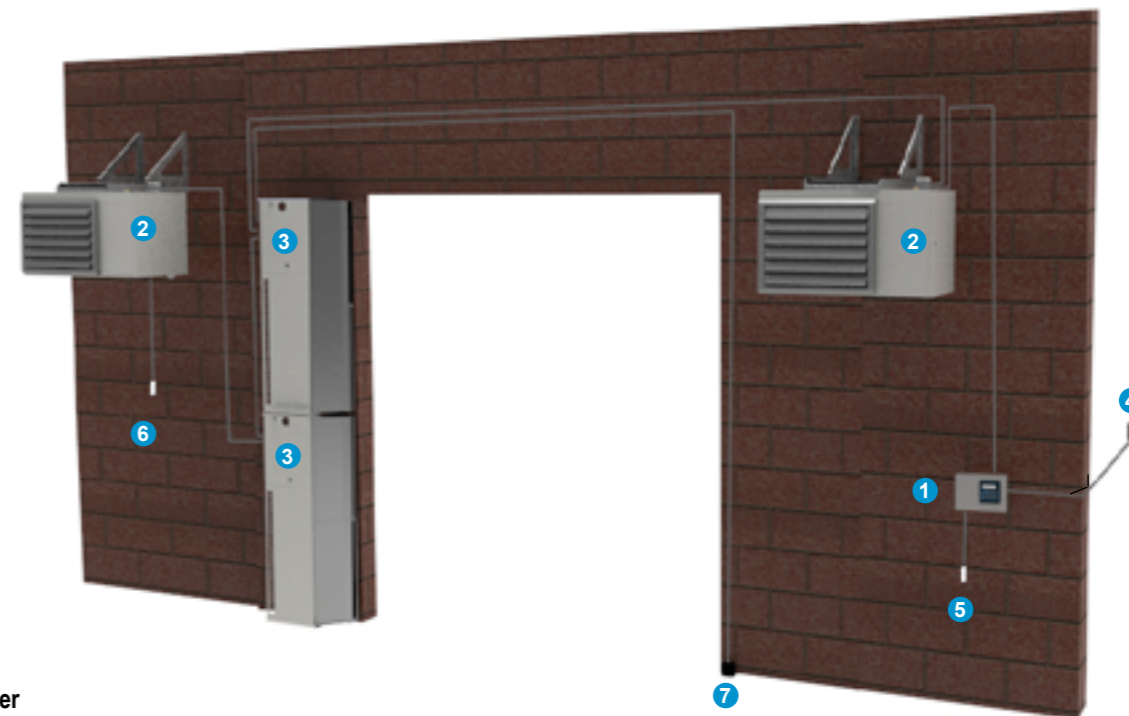


Example for a locale with 2 heating areas, without fresh air supply, with 3 doors equipped with condensing air curtains and a web communication: **REG410 2031**

The price of the controller can change depending on the configuration. Consult us for more information.

Condensing gas air units

Management modes



- 1 Controller
- 2 Condensing gas fired heaters
- 3 Condensing air curtains
- 4 Outdoor sensor
- 5 Indoor sensor
- 6 Individual sensor (option)
- 7 Door contact (not supplied)

Models	REG402 For one unit only	REG410 For up to 16 units
Views		
Application	Condensing Gas Air Heater	Condensing Gas Air Heater Condensing Gas Air Curtain
Languages available *	FR / EN / DE / DU	FR / EN / DE / DU / RUS
Timer clock	Yes	Yes
Management of a power regulation	Yes	Yes
Information about the unit status	Yes	Yes
Burner reset on the screen	Yes	Yes
Indoor sensor	Yes	Yes
Outdoor sensor	-	Yes
Individual indoor sensor (option)	-	Yes
Computer / Smartphone set up mode (option)	-	Yes

* Please state operating language when ordering.

