



Gas fired heaters with propeller fans

The new generation of **CIATGAZ** combines *reliability, performance and design*

A product equipped with the latest technologies to *simplify your installation and maintenance*



TRANSCIAT destratifier



The complement to a heliotherme installation

CIATGAZ HGU

USE

Independent gas fired air heaters for heating medium height well insulated industrial and tertiary premises.

Possibility of external mounting.

Pre-set for Lacq natural gas in the standard version (H) ; kit

included for Groningue natural gas (L) and propane (enclosed inside the unit).

Equipped with a total safety device cutting the arrival of gas to the burner in case of flame extinction or obstruction of the combustion circuit.

RANGE

7 models from 15 to 105 kW.

DESCRIPTION

Casing in enamelled RAL 7024 (dark grey) with RAL 7035 (light grey) horizontal directional dampers.

Combustion chamber in stainless steel, without flame contact: NO ALTERATION.

Heat exchanger in stainless steel : EFFICIENCY 92%.

Discharge temperature permanent control : MORE COMFORT

Tubular atmospheric burner in stainless steel, high performance (1 single injector up to 65 kW), flame control by ionisation.

Forced draught sealed combustion circuit controlled by differential pressostat, with fan cooling.

A single electronic card commands, controls and synchronizes all the air heater devices.

A COMPLETE RANGE OF ACCESSORIES

Remote control box with integral thermostat, simple or programmable setting, 1 to 2 stages, with integral remote resetting.

Additional box for the remote management of 4 air heaters.

Wall support or hanging kit.

Horizontal or vertical suction, concentric or bi-tube, stainless tubes and elbows fitted with silicon gaskets.

Kit to convert Groningue natural gas (L) and propane included.

Kit with additional vertical dampers.








TECHNICAL CHARACTERISTICS

DESCRIPTION		Type Industrial premises							
		Public buildings							
		HGU 15	HGU 25	HGU 35	HGU 45	HGU 65	HGU 85	HGU 105	
Heating capacity	KW	15,0	25,4	33,8	46,3	65,0	85,0	104,7	
Useful thermal output	KW	13,8	23,0	30,5	41,7	58,6	76,6	94,3	
Minimal output	%	92,0	90,1	90,2	90,1	90,1	90,1	90,1	
Number of injectors	U	1	1	1	1	2	2	4	
Gas consumption At 15°C 1013 mbar	natural gas (H) G20(1)	Nm ³ /h	1,51	2,55	3,39	4,65	6,52	8,53	10,51
	natural gas (L) G25 (2)	Nm ³ /h	1,75	2,96	3,94	5,40	7,58	9,92	12,22
	propane gas G31 (3)	Nm ³ /h	0,58	0,98	1,30	1,78	2,50	3,27	4,03
	butane gas G30 (4)	Nm ³ /h	0,44	0,74	0,99	1,36	1,91	2,49	3,07
	gas connection		1/2" BSP			3/4" BSP			
Temperature rise	°K	32	37	31	30	30	29	32	
Number of fans	U	1	1	1	1	2	2	3	
Air flow	m ³ /h	1250	1820	2920	4130	5900	7900	8750	
Discharge range (5)	m	10	14	18	26	32	35	37	
Fan rotation speed	tr/mn	960	900	1400					
Sound pressure level (6)	dB(A)	39	44	53	55	54	56	59	
Electrical connection (protection class)	IP40	230V 50Hz ~ (phase + neutral + earth)							
Electrical total power input	KW	0,155	0,165	0,225	0,345	0,440	0,600	0,670	
Smoke extraction	Ø en mm	100 female	100 female	100 female	100 female	100 male	100 male	100 male	
Combustive air introduction	Ø en mm	100 female	100 female	100 female	100 female	150 male	150 male	150 male	
Weight of unit	Kg	65	67	73	92	138	171	205	

(1) PCI methane G20 = 8570 kcal / Nm³/h – (2) PCI methane G25 = 7370 kcal / Nm³/h – (3) PCI propane G31 = 22360 kcal / Nm³/h
 (4) PCI butane G30 = 29330 kcal / Nm³/h – (5) Isotherme 20°C – residual speed 0.1 m/s – (6) Wall mounted unit, free field, measurements taken on the front face, at a distance of 6 m.

Selection examples : You are looking for a 30 kw useful output gas fired air heater. The selected model is the HGU 35. The nominal output, air flow and discharge range are respectively 30.5 kW, 2920 m³/h and 18m

MOUNTING ACCESSORIES

Description	Allocation	code	•
CONTROLS			
Remote control box, stop, heating, ventilation, with integral thermostat - single setting and 1 or 2 stages with integral remote resetting	 HGU 15/25/35/45/65/85/105	7024383	•
Remote control box, stop, heating, ventilation, with programmable integral thermostat (weekly and daily) and 1 or 2 stages with integral remote resetting	 HGU 15/25/35/45/65/85/105	7024386	•
1 zone additional box, to be added to one single remote control for controlling simultaneously up to 4 air heaters	 HGU 15/25/35/45/65/85/105	7024387	•
GAS ACCESSORIES			
Lacq natural gas expansion kit G20 – 300 mbar / 20 mbar	HGU 15/25	2736339	•
Lacq natural gas expansion kit G20 – 300 mbar / 20 mbar	HGU 35/45	7024305	•
Lacq natural gas expansion kit G20 – 300 mbar / 20 mbar	HGU 65/85/105	2736344	•
Groningue natural gas expansion kit G25 – 300 mbar / 25 mbar	 HGU 15/25	2736345	•
Groningue natural gas expansion kit G25 – 300 mbar / 25 mbar	HGU 35/45	7024307	•
Groningue natural gas expansion kit G25 – 300 mbar / 25 mbar	HGU 65/85/105	2736350	•
Propane gas expansion kit G31 – 1,5 bar / 37 mbar	HGU 15/25/35/45	2736351	•
Propane gas expansion kit G31 – 1,5 bar / 37 mbar	HGU 65/85/105	2736354	•
Tubogaz nf flexible connection - GN.N/PROPANE Diam 1/2" length 0.70m for public buildings	 HGU 15/25/35	0122451	•
Tubogaz nf flexible connection - GN.N/PROPANE Diam 1/2" length 0.75m for industrial premises	 HGU 15/25/35/45	0122452	•
Tubogaz nf flexible connection - GN.N/PROPANE Diam 1/2" length 0.75m for industrial premises	 HGU 65/85/105	0122453	•

DIMENSIONS

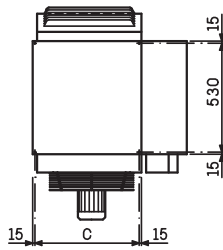


FIG. 1

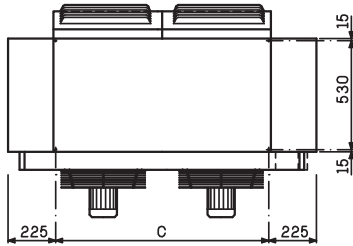
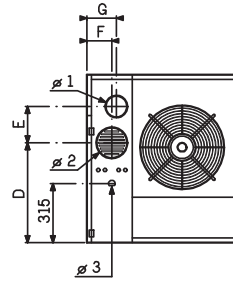
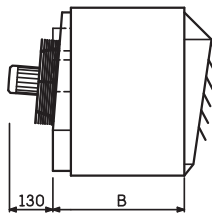
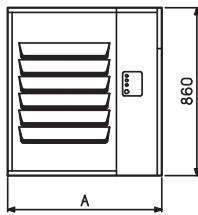
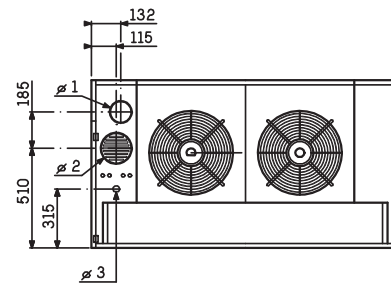
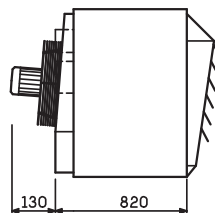
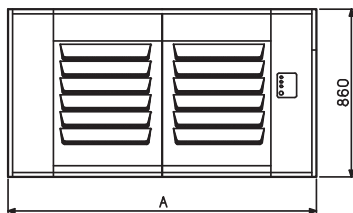


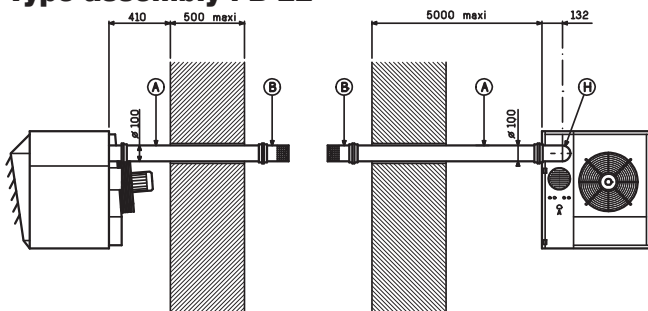
FIG. 2



HGU	FIG.	Nb of fans	A	B	C	D	E	F	G	Ø1	Ø2	Ø3	Mass kg
15	1	1	610	770	370	563	140	132	132	100 female	100 female	1/2"	65
25	1	1	665	770	425	563	140	132	132	100 female	100 female	1/2"	67
35	1	1	745	770	505	563	140	132	132	100 female	100 female	1/2"	73
45	1	1	925	770	685	555	140	132	132	100 female	100 female	1/2"	92
65	1	2	1170	820	930	510	185	115	132	100 male	150 male	3/4"	138
85	2	2	1720	-	1270	-	-	-	-	100 male	150 male	3/4"	171
105	2	3	1960	-	1510	-	-	-	-	100 male	150 male	3/4"	205

WALL SMOKE EXTRACTION

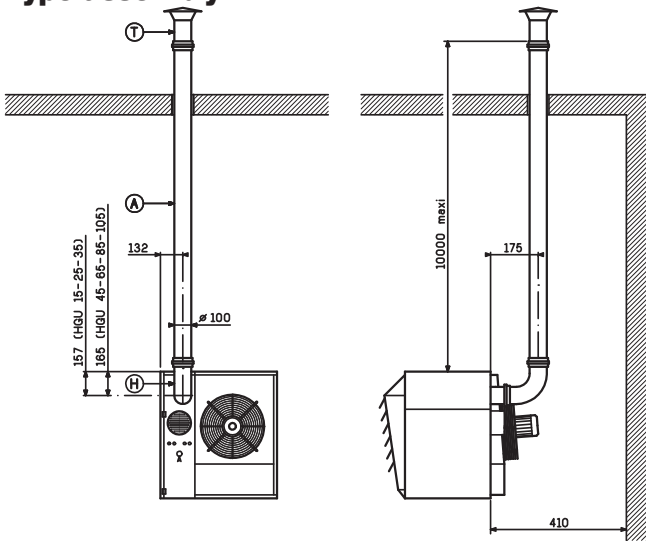
Type assembly : B 22



Reference	Description
A	Tube 1000mm M/F diam. 100
B	Wall bi-tube kit diam. 100-100
H	Elbow 90° M/F diam. 100

ROOF SMOKE EXTRACTION - ROOM AIR INTAKE

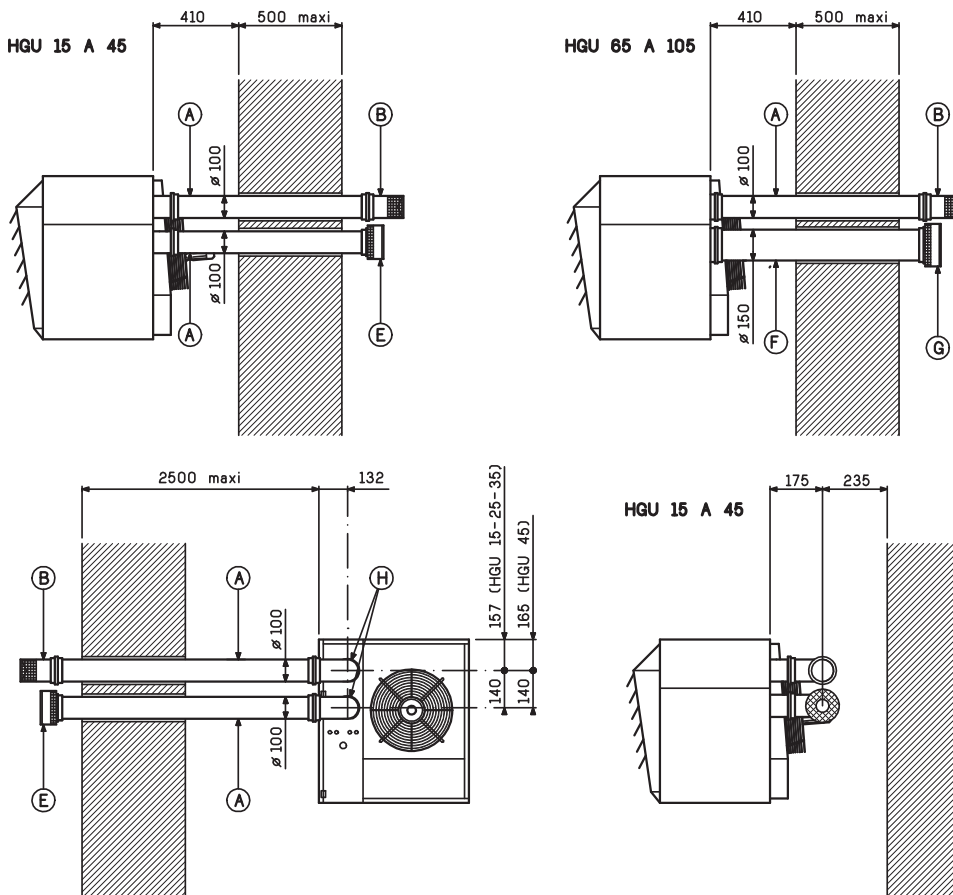
Type assembly : B 22



Reference	Description
A	Tube 1000mm M/F diam. 100
H	Elbow 90° M/F diam. 100
T	Extraction roof terminal diam. 100

BI-TUBE - WALL TYPE INTAKE AND EXTRACTION EXTERIOR MOUNTING

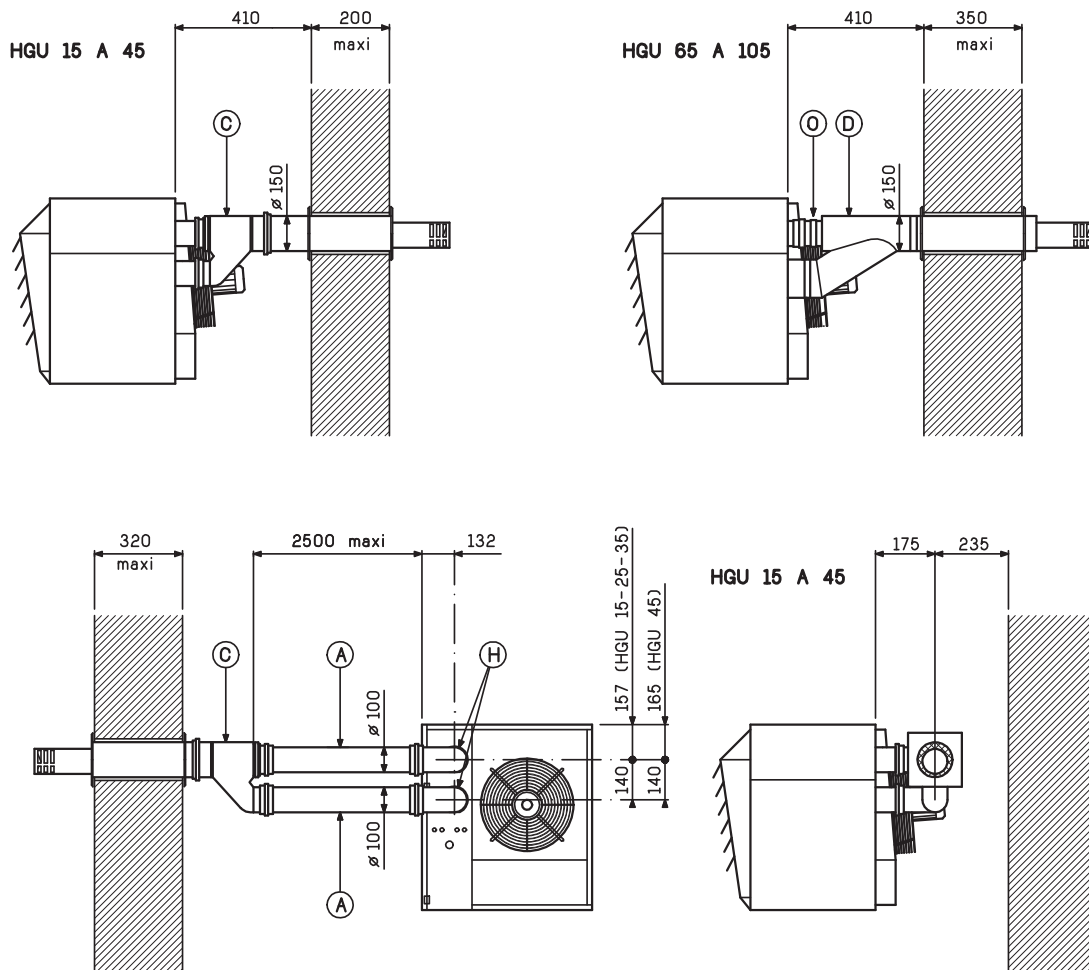
Assembly type : C 12



References	Description
A-B-E	Wall bi-tube kit diam. 100-100
A-B-G-F	Wall bi-tube kit diam. 100-150
H	Elbow 90° M/F diam. 100
I	Elbow 90° M/F diam. 150

CONCENTRIC - WALL INTAKE AND EXTRACTION INTERIOR MOUNTING

Assembly type : C 12

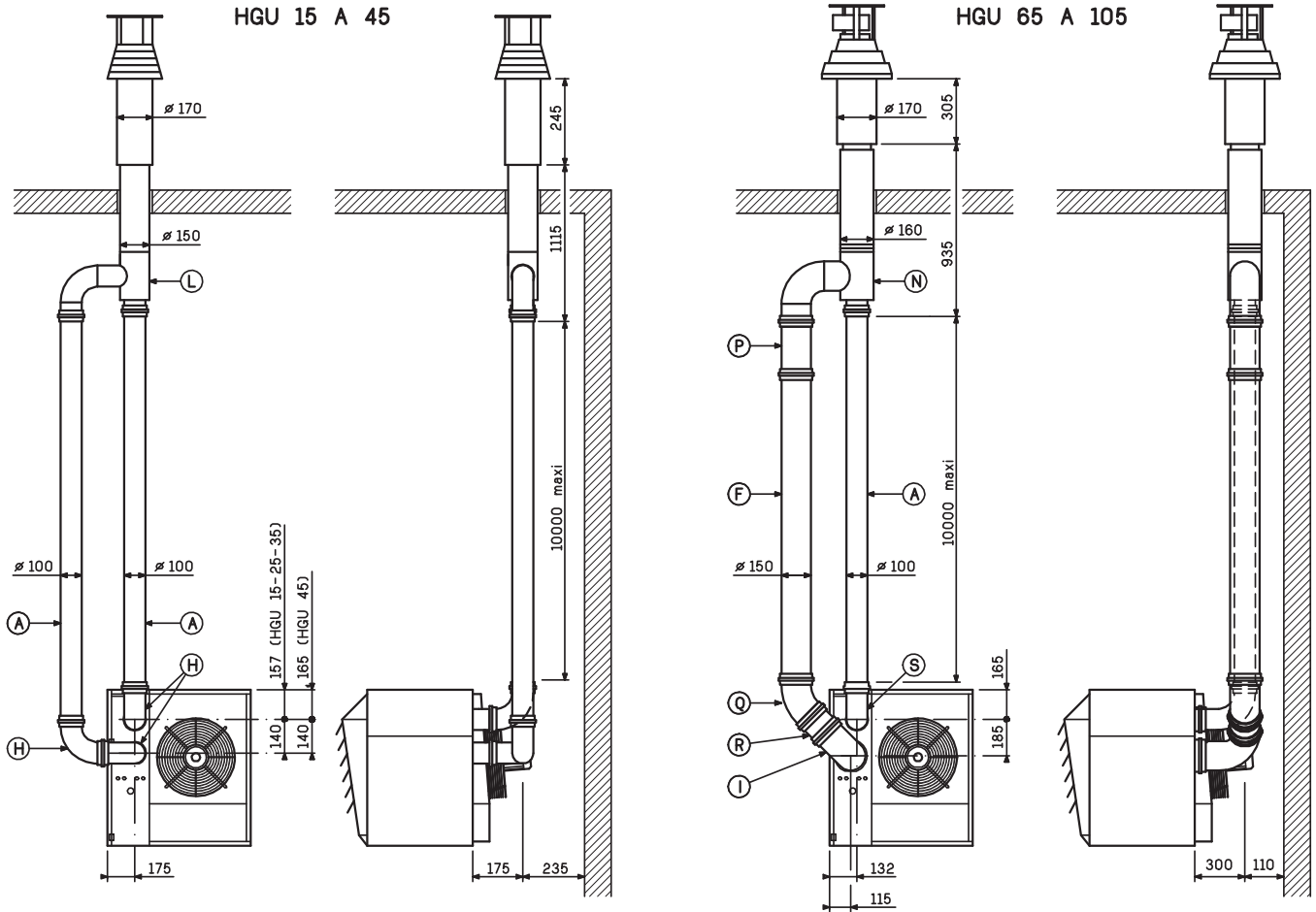


References	Description
C	Wall suction kit diam. 100-100
D-O	Wall suction kit diam. 100-150
A	Tube 1000 mm M/F diam. 100
H	Elbow 90° M/F diam. 100

References	Description
S	Elbow 90° F/F diam. 100
F	Tube 1000 mm M/F diam. 150
I	Elbow 90° M/F diam. 150

CONCENTRIC ROOF TYPE - INTAKE AND EXTRACTION EXTERIOR MOUNTING

Assembly type : C 32



References	Description
L	Roof suction dit diam. 100-100
N-P	Roof suction kit diam. 100-150
A	Tube 1000 mm M/F diam. 100
H	Elbow 90° M/F diam. 100
S	Elbow 90° F/F diam. 100
F	Tube 1000 mm M/F diam. 150
I	Elbow 90° M/F diam. 150
Q	Elbow 45° M/F diam. 150
R	Tube 140 mm M/F diam. 150

MOUNTING ACCESSORIES

Consult CIATGAZ CGU