INFRA HT

Gas-fired high temperature radiant heater

Gas-fired high temperature radiant heater with ceramic burner and electrical ignition. Output from 6.5 to 68.8 kW.

For more information, downloads and videos, visit the Infra HT page on our website

Ideal for heating tall or poorly insulated buildings

The INFRA HT offers the option of heating without displacing air. In addition, heat reaches only the location where it is required. The short warming-up period and the lower room temperature can yield good energy savings. Savings can be as high as 40%.

The INFRA HT uses an open ceramic burner for heating. This emits a high level of heat over a relatively small surface area. This high concentration of heat enables these units to be located in tall buildings.

As this unit uses open combustion, ventilation within the room must be considered. The room may be ventilated with the Mark MDV BLUE.

Possible applications include: construction halls, production facilities, aircraft hangars and stadium grandstands or other open spaces.

The Infra HT and the HT Eco have the same output. The HT has a very high radiant efficiency and a competitive price. The HT Eco has a good performance and a very competitive price.

Product features

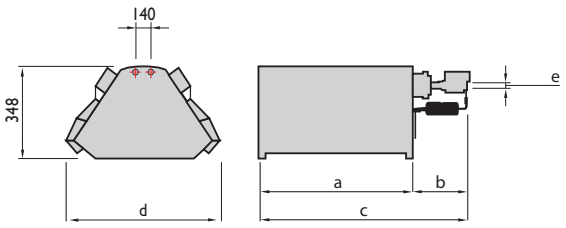
- Ceramic Burner
- High heat output
- 9 different capacities with the length of the unit increasing as the capacity increases.

The benefits of radiant heating include:

- Short warm-up time
- High floor temperature
- Silent
- No air movement
- Low energy consumption
- "Zone" heating
- Heat only where needed

Remote control possible with the PinTherm Infra Connect IoT! Control the thermostat from anywhere in the world via a secure Cloud environment in the browser of your PC, tablet or smartphone. No need to open a firewall port for this. With the optional WiFi module, a LAN cable is also no longer needed for the thermostat.

Dimensions



Type	a (mm)	b (mm)	c (mm)	d (mm)	e (inch/ zoll)
Infra HT 4.2	421	162	583	592	1/2''
Infra HT 6.2	604	162	766	592	1/2''
Infra HT 8.2	791	162	953	592	1/2''
Infra HT 10.2	991	162	1137	592	1/2''
Infra HT 12.2	1158	218	1376	592	1/2''
Infra HT 16.2	1529	218	1747	592	1/2''
Infra HT 10+10.2	975	241	1216	822	3/4''
Infra HT 12+12.2	1158	297	1455	822	3/4''
Infra HT 16+16.2	1529	297	1826	822	3/4''

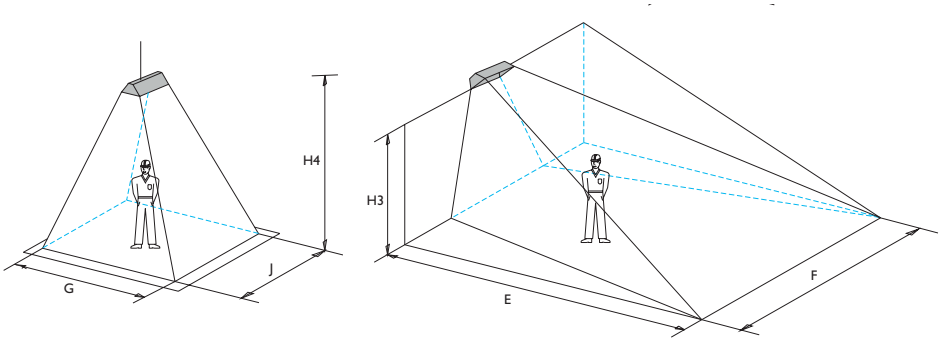
Type	a (mm)	b (mm)	c (mm)	d (mm)	e (inch/zoll)
Infra HT 4.2 eco	420	250	670	370	1/2''
Infra HT 6.2 eco	605	250	855	370	1/2''
Infra HT 8.2 eco	790	250	1040	370	1/2''
Infra HT 10.2 eco	975	250	1225	370	1/2''
Infra HT 12.2 eco	1160	250	1410	370	1/2''
Infra HT 16.2 eco	1530	250	1780	370	1/2''
Infra HT 10+10.2 eco	975	300	1275	600	1/2"
Infra HT 12+12.2 eco	1160	300	1460	600	1/2"
Infra HT 16+16.2 eco	1530	300	1830	600	1/2"

Technical information

Infra HT		4.2	6.2	8.2	10.2	12.2	16.2	10+10.2	12+12.2	16+16.2
Surface area exposed to radiation	m^2	30-40	35-50	40-65	55-90	60-100	80-110	85-115	95-155	110-180
Nominal load G20 (upper value) Nominal load G20 (lower value)	kW kW	7,2 6,5	9,6 8,6	16,1 14,5	18,3 16,5	22,2 20,0	34,4 31,0	36,6 33,0	44,4 40,0	68,8 62,0
Nominal load G25 (upper value) Nominal load G25 (lower value)	kW kW	7,2 6,5	9,6 8,6	16,1 14,5	18,3 16,5	22,2 20,0	34,4 31,0	36,6 33,0	44,4 40,0	68,8 62,0
Nominal load G31 (upper value) Nominal load G31 (lower value)	kW kW	7,0 6,5	9,3 8,6	13,5 12,5	17,9 16,5	21,7 20,0	33,6 31,0	35,8 33,0	43,4 40,0	67,2 62,0
Nominal load G30 (upper value) Nominal load G30 (lower value)	kW kW	7,0 6,5	9,3 8,6	13,5 12,5	17,9 16,5	21,7 20,0	33,6 31,0	35,8 33,0	43,4 40,0	67,2 62,0
Gas-regulating unit	n°	1	1	1	1	1	1	2	2	2
Gas consumption G20 (15°C)	m3/h	0,69	0,91	1,53	1,75	2,12	3,43	3,50	4,24	6,70
Gas consumption G25 (15°C)	m3/h	0,80	1,06	1,78	2,03	2,46	3,75	4,06	4,92	7,50
Gas consumption G31 (15°C)	kg/h	0,50	0,67	0,97	1,28	1,55	2,40	2,56	3,10	4,80
Gas consumption G30 (15°C)	kg/h	0,51	0,68	0,99	1,30	1,58	2,42	2,60	3,16	4,84
Electrical power	W	25	25	25	25	25	25	50	50	50
Ignition						electronic				
Electrical connection						230 Volt-50Hz				
Weight of HT	kg	14	17	21	24	28	35	40	47	57
Weight of HT eco	kg	8	10	12	14	17	21	29	34	40

The minimum ventilation air volume of the area is 10 m3/h per installed kW.

Assembly/location suggestions



(Ceiling 0°)

Infra HT		4.2	6.2	8.2	10.2	12.2	16.2	10+10.2	12+12	16+16.2
H4 min-max	m	2,5-4,5	3,5-6,0	4,0-6,0	5,0-7,0	6,0-8,0	6,0-10,0	8,0-11,0	9,0-14,0	10-18
G	m	4,0	5,0	7,5	8	8,5	9,0	10,0	11,0	12,0
J	m	5,5	7,0	8,0	8,5	9,0	10,0	11,0	12,0	13,0

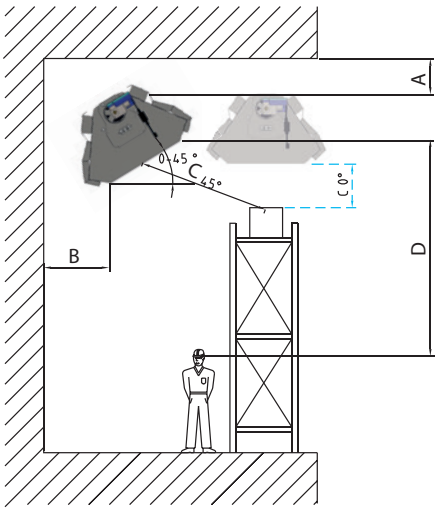
Recommended suspension height for installing high temperature radiators.

(Floor 45°)

Infra HT		4.2	6.2	8.2	10.2	12.2	16.2	10+10.2	12+12	16+16.2
H3 min - max	m	2,5-4,0	2,9-5,5	3,9-6,5	4,5-7,0	4,7-8,5	5,1-10,0	5,1-11,0	5,6-14,0	6,0-15,0
E	m	4,0	5,0	7,5	7,8	8,0	8,5	9,0	10,0	12,0
F	m	4,5	6,0	8,0	8,5	9,0	10,0	11,0	12,0	14,0

Minimum distances (ceiling 0°)

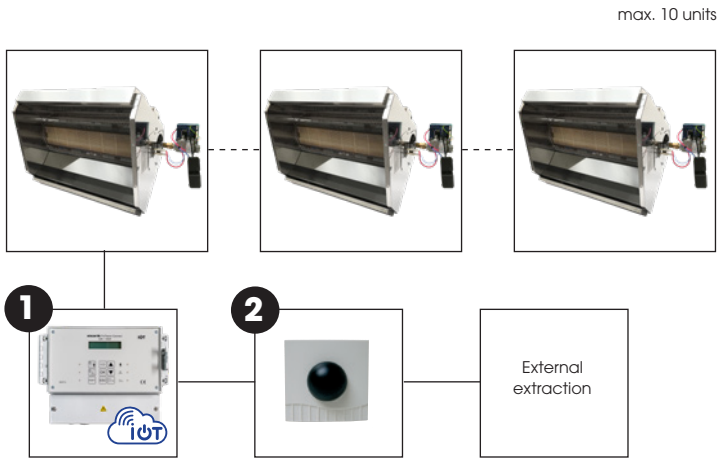
Type	A	B	D
HT 4.2	1,0	1,0	2,0
HT 6.2	1,0	1,0	2,5
HT 8.2	1,5	1,5	3,0
HT 10.2	1,5	1,5	3,5
HT 12.2	1,5	2,0	4,0
HT 16.2	1,5	2,0	4,5
HT 10+10.2	2,0	2,5	5,0
HT 12+12.2	1,5	2,5	5,5
HT 16+16.2	2,0	2,5	6,0



Minimum distances (floor 45°)

Type	A (m)	B (m)	C (m)	D 45° - 0° (m)
HT 4.2	1,0	0,5	2,0	2,4 - 3,0
HT 6.2	1,0	0,5	2,0	2,9 - 3,5
HT 8.2	1,5	0,5	2,5	3,9 - 4,5
HT 10.2	1,5	0,5	2,5	4,2 - 4,8
HT 12.2	1,5	0,5	2,5	4,7 - 5,5
HT 16.2	1,5	0,75	3,0	5,1 - 6,0
HT 10+10.2	2,0	0,75	3,0	5,0 - 6,2
HT 12+12.2	1,5	0,75	3,0	5,6 - 6,5
HT 16+16.2	2,0	1,0	3,5	6,0 - 7,1

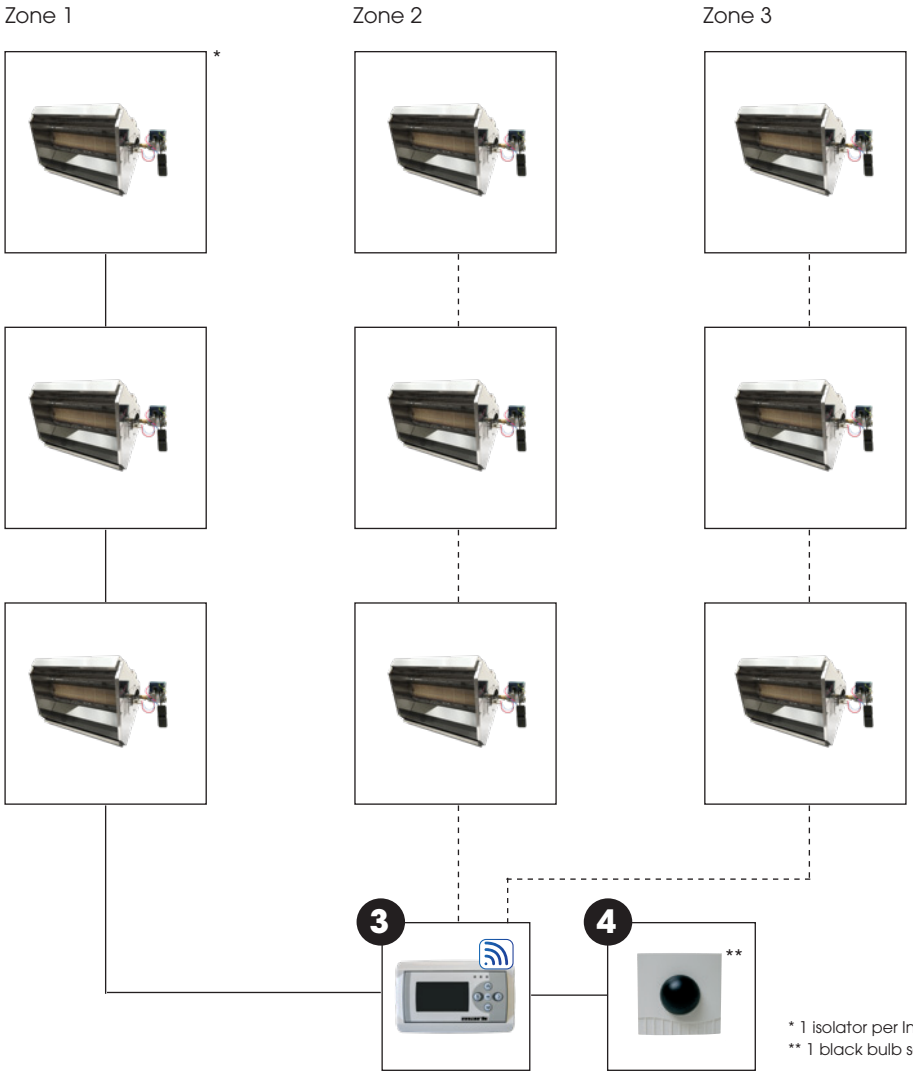
Controls



Control combination options						
Infra HT	+	1	+	2	+	external extraction

1 = PinTherm Infra Connect with Ethernet, Modbus and Cloud control (IoT: 0629109-50 / IoT+WiFi: 3003871)
2 = External Black bulb sensor (0629087)

Zone control



Control combination options zones Infra HT								
2 zones	+	3	+	4	+	4		
3 zones	+	3	+	4	+	4	+	4

3 = Zone control Infra (3003795)
4 = External black bulb sensor RSTF PT1000 (0629087)

* 1 isolator per Infra HT
** 1 black bulb sensor per zone

Prices Infra HT

PRODUCT - INFRA HT			
Code nr.	Description	Price	
	INFRA HT 4.2, nominal power 6,5 kW, H/L	€	1433
	INFRA HT 6.2, nominal power 8,6 kW, H/L	€	1552
	INFRA HT 8.2, nominal power 14,5 kW, H/L	€	1741
	INFRA HT 10.2, nominal power 16,5 kW, H/L	€	1787
	INFRA HT 12.2, nominal power 20,0 kW, H/L	€	2105
	INFRA HT 16.2, nominal power 31,0 kW, H/L	€	2160
	INFRA HT 10+10.2, nominal power 33,0 kW, H/L	€	2965
	INFRA HT 12+12.2, nominal power 40,0 kW, H/L	€	3193
	INFRA HT 16+16.2, nominal power 62,0 kW, H/L	€	3953

PRODUCT - INFRA HT			
Code nr.	Description	Price	
	INFRA HT 4.2 eco, nominal power 6,5 kW, On/Off	€	1177
	INFRA HT 6.2 eco, nominal power 8,6 kW, On/Off	€	1314
	INFRA HT 8.2 eco, nominal power 14,5 kW, On/Off	€	1420
	INFRA HT 10.2 eco, nominal power 6,5 kW, On/Off	€	1529
	INFRA HT 12.2 eco, nominal power 20,0 kW, On/Off	€	1589
	INFRA HT 16.2 eco, nominal power 31,0 kW, On/Off	€	1874
	INFRA HT 10+ 10.2 eco, nominal power 33,0 kW, On/Off	€	2518
	INFRA HT 12+ 12.2 eco, nominal power 40,0 kW, On/Off	€	3046
	INFRA HT 16+ 16.2 eco, nominal power 62,0 kW, On/Off	€	3317

ACCESSORIES - CONTROLS			
Code nr.	Description	Price	
❶ 0629109-50	PinTherm Infra Connect IoT room thermostat with Ethernet, Modbus and Cloud control	€	835
❶ 3003871	PinTherm Infra Connect IoT/WiFi room thermostat with Ethernet, Modbus and Cloud control	€	883
❸ 3003795	Zone control Infra*****	€	2377
❷ 0629087	External Black bulb sensor for 0629109-50/3003871	€	140
❹ 0629082	External Black bulb sensor RSTF PT1000 for 3003795	€	141
0631162	Sectionneur, livré séparé 230 V (2 polig)	€	63
0631163	Isolator switch, separate delivery, 400V (4 poles)	€	71

For explanation see chapter control equipment

ACCESSORIES - ASSEMBLY			
Code nr.	Description	Price	
5998000	Wall bracket for INFRA HT 4.2 - 16.2*	€	78
5998002	Suspended bracket for INFRA HT 4.2 - 16.2	€	54
5998003	Suspended bracket for INFRA HT 10+10.2, 12+12.2 and 16+16.2	€	79

ACCESSORIES - OTHER			
Code nr.	Description	Price	
5018025	Flexible gas hose 3/4" - 1/2"	€	143
	Conversion kit natural gas to propane gas**	€	86

PRODUCT - BALL PROTECTION MESH			
Code nr.	Description	Price	
5998060	Ball protection mesh Infra HT 4.2	€	159
5998061	Ball protection mesh Infra HT 6.2	€	172
5998062	Ball protection mesh Infra HT 8.2	€	172
5998063	Ball protection mesh Infra HT 12.2	€	214
5998064	Ball protection mesh Infra HT 16.2	€	242
5998066	Ball protection mesh Infra HT 10.2	€	214

REMARKS

* No wall bracket for INFRA HT 10+10.2, 12+12.2 en 16+16.2 available

** A conversion kit must be ordered for the exact type of unit and consist of.
1 nozzle
1 technical plate
1 technical manual for instructions

*** Only select when the unit is high/low

**** Also order 0629087

***** Also order 0629082 (one for each zone)