



Reg No : 1139

IRTUR PAN

PANEL RADIATOR & WALL HUNG GAS BOILER





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PANEL RADIATOR & WALL HUNG GAS BOILER

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Azar Yanar Isti Su (AYIS) industrial group, The first and the biggest producer of radiator panel in Iran, started in 1389 (2010) by experienced Turkish and Iranian engineers and constituted in 1390 (2011).

This company started its operations on 240.000 meter nominal capacity for a year, and by setting up second fully automatic line, Azar Garam Bartar Tabriz (AGBT) and Azar Yanar Isti Su (AYIS) industrial group with 700.000 meter on nominal capacity and more than 50 sale representatives and after sale services, is the biggest producer of radiator panel in Iran.

This company has attempted to improve its product quality by foundation of laboratory in order to control of the given parameters of the esteemed organization of standard of Iran.



TSM TEST LTD. ŞTİ.
EMİRSULTAN YILDIRIM-BURSA-TURKEY
ISO9001 ISO14001 OHSAS 18001
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Features and Specifications

- Common product of Iran and Turkey
- Modern and elegant design
- Compatibility with package wall panel
- Reduction of bleeding times in comparison with aluminum radiation
- With two panels and two convectors (model no.22)
- Height conforming to Iran Axe 50 standard
- Special phosphate covering
- White color in two successive stages (RAL 9016), the bottom layer dyed by immersion
Top layer with powder paint and frying operations inside furnace during both stages.
- Welded convectors directly on the radiator ducts in order to increase thermal efficiency.
- Made of steel sheets to the thickness of 1.2 - 1.12 millimeters
- Easy cleaning due to easiness of picking up the grid and side covers of radiator.
- Production conforming to EN442 standard.
- High quality, efficiency and comfort
- 12 year guarantee
- The chemical- physical features of water in heating circuit have complete accordance with the given specifications in UNI 8065 standard.



10-P

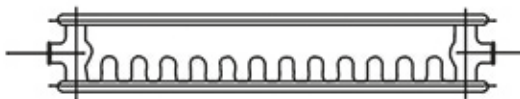
The inner convectors of IRTURPAN radiators have been attached to the circuitry channels in order to improve heating.



11-PK

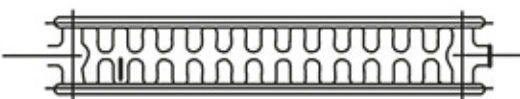
Packing and Assembling of IRTURPAN Radiators

Using thick cartons, bubble nylons and corner protective plastics has kept these products from any damage and abrasion.



21-PKP

Accessories



22-PKKP

- Mounting brackets: 2
- Spool cap: 1-2
- Screws and dowels for installation



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Energy consumption	Bar	22pkkp550	(mm)	(mm)	(mm)	(Kg)	(lit/m)	(Kcal/h)	(mm)
Standard number energy consumption	E (min, max)	Standard number of radiator	AXE	Height	Width	Weight	Dewatering volume	Thermal capacity	Length
14735	7-10	360- 1-2-3	500	550	104	11.200	2.36	756	400
14735	7-10	360- 1-2-3	500	550	104	14.00	2.95	945	500
14735	7-10	360- 1-2-3	500	550	104	16.800	3.54	1134	600
14735	7-10	360 - 1-2-3	500	550	104	22.400	4.72	1512	800
14735	7-10	360- 1-2-3	500	550	104	25.200	5.31	1701	900
14735	7-10	360- 1-2-3	500	550	104	28.100	5.90	1890	1000
14735	7-10	360- 1-2-3	500	550	104	33.600	7.08	2268	1200
14735	7-10	360- 1-2-3	500	550	104	39.200	8.26	2646	1400
14735	7-10	360- 1-2-3	500	550	104	44.800	9.44	3024	1600
14735	7-10	360- 1-2-3	500	550	104	50.400	10.62	3402	1800
14735	7-10	360- 1-2-3	500	550	104	56.00	11.80	3780	2000

Color information

Electrostatic powder: Polyester 90 gloss units-RAL 9016

Dimensions of the Radiator

Length of IRTURPAN radiator: from 40 cm to 300 cm

Control Process

IRTURPAN radiators are examined within two stages, 8.5atm bars. They will be being checked again during packing.

Production Technology of IRTURPAN

Available standards in production of IRTURPAN:

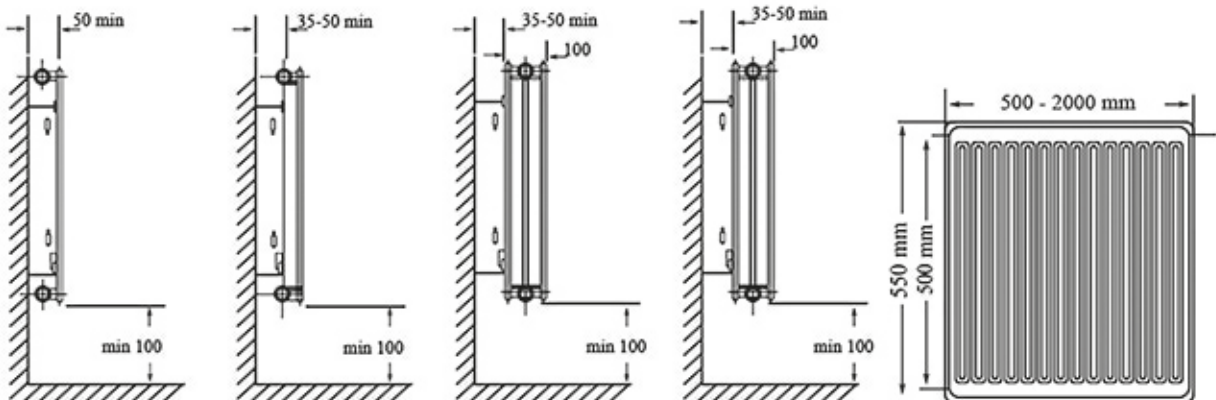
Steel sheets ST13 with DIN1623 standard

Thickness of font sheet of radiator: 1.20 mm

Convector sheet's thickness: 0.40 mm

Thickness of grid and side sheet of radiator: 0.80 mm

The three-way junction of input-output which connects both sides of radiator: 4 - G 1/2



CALORA WALL HUNG GAS BOILER

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protection systems secure your device as defined below



- Ionizer electrode (flame monitoring)
- Protection system of limit temperature (105 °C)
- Protection system of maximum temperature of hygienic hot water (75 °C)
- Protection system of maximum temperature of heating circuit (95 °C)
- Protection system of maximum pressure of heating circuit water (3bar)
- Protection system of minimum pressure of heating circuit water (0.8bar)
- Protection system of minimum voltage (185 VAC)
- Anti-freeze system
- Anti-seizure protection system of the pump.
- 'By Pass' protection system
- 'Air went' automatic vent.
- 8-liter expansion tank

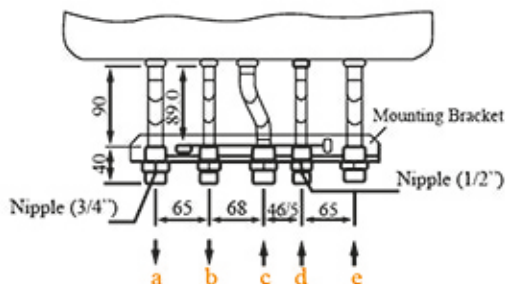
Technical Information

Calora gas boilers (28kw , 24kw) are wall hung gas boilers model C.

In these models, the device can provide its air itself and also transfer the gas which is emitted from ignition. Out of it. This action can be performed by a coaxial chimney.

Gas & Water Set Connection

- Outgo valve 3.4
- Hygienic hot water 1.2
- Gas input 3.4
- Cold water input 1.2
- Income valve 3.4



	unit	CA24HM	CA28HM
Consumable gas		NAT/LPG	NAT/LPG
Maximum power out put	KW	24	28
Maximum consumption of natural gas NAT	M3/H	2.73	3.19
Maximum consumption of liquefied petroleum gas LPG	Kg/h	2.08	2.39
Natural gas pressure NAT	Mbar	20/25	20/25
Liquefied petroleum gas pressure LPG	Mbar	28/37	28/37
Consumable hot water	L/min	10($\Delta t=33$)	10($\Delta t=33$)
Minimum current of Consumable water	L/min	3	3
Minimum pressure of Consumable water	Bar	0.3	0.3
Maximum pressure of Consumable water	Bar	10	10
Adjustable temperature of hygienic water	°C	35-60	35-60
Adjustable temperature of heating water	°C	40-80	40-80
Minimum pressure of heating system	Bar	0.8	0.8
Maximum pressure of heating system	Bar	3	3
Consuming electricity	Watt	150	150
Expansion tank's volume	Lit	8	8
Dimensions	Mm	750*454*340	750*454*340



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**CALORA DIGITAL
WALL HUNG
GAS BOILER**

protection systems secure your device as defined below



- Ionizer electrode (flame monitoring)
- Protection system of limit temperature (105 °C)
- Protection system of maximum temperature of hygienic hot water (75 °C)
- Protection system of maximum temperature of heating circuit (95 °C)
- Protection system of maximum pressure of heating circuit water (3bar)
- Protection system of minimum pressure of heating circuit water (0.8bar)
- Protection system of minimum voltage (185 VAC)
- Anti-freeze system
- Anti-seizure protection system of the pump.
- 'By Pass' protection system
- 'Air went' automatic vent.
- 8-liter expansion tank

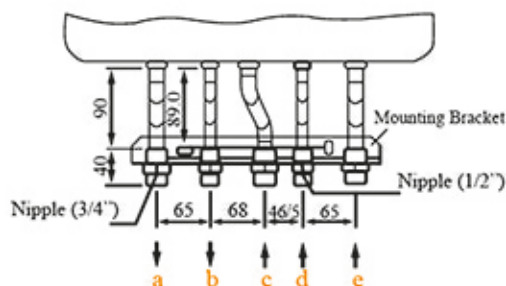
Technical Information

Calora digital gas boilers (24kw , 28kw) are wall hung gas boilers model C.

In these models, the device can provide its air itself and also transfer the gas which is emitted from ignition. Out of it. This action can be performed by a coaxial chimney.

Gas & Water Set Connection

- Outgo valve 3.4
- Hygienic hot water 1.2
- Gas input 3.4
- Cold water input 1.2
- Income valve 3.4



	unit	CA24HM	CA28HM
Consumable gas		NAT/LPG	NAT/LPG
Maximum power out put	KW	24	28
Maximum consumption of natural gas NAT	M3/H	2.73	3.19
Maximum consumption of liquefied petroleum gas LPG	Kg/h	2.08	2.39
Natural gas pressure NAT	Mbar	20	20
Liquefied petroleum gas pressure LPG	Mbar	28/37	28/37
Consumable hot water	L/min	($\Delta t=34$)10	($\Delta t=33$)10
Minimum current of Consumable water	L/min	3	3
Minimum pressure of Consumable water	Bar	0.3	0.3
Maximum pressure of Consumable water	Bar	10	10
Adjustable temperature of hygienic water	°C	35-60	35-60
Adjustable temperature of heating water	°C	40-80	40-80
Minimum pressure of heating system	Bar	0.8	0.8
Maximum pressure of heating system	Bar	3	3
Consuming electricity	Watt	150	150
Expansion tank's volume	Lit	8	8
Dimensions	Mm	340*454*750	340*454*750



General Characteristics

Model	Description
CP 24 HM	Condensing machines with high efficiency (diameter of gas input 60/100) Heating circuit output 24KW Heating hot water output 10.6 lit/m ($\Delta t=35^\circ$) 26KW
CP 30 HM	Condensing machines with high efficiency (diameter of gas input 60/100) Heating circuit output 30KW Heating hot water output 12.7 lit/m ($\Delta t=35^\circ$) 31KW
CP 35 HM	Condensing machines with high efficiency (diameter of gas input 60/100) Heating circuit output 35KW Heating hot water output 15.8 lit/m ($\Delta t=35^\circ$) 36KW

- These condensing machines have energy consumption tags with a grade and they've been designed to provide both consuming hot water and heating circuit hot water high efficiency.
The temperature of hygienic hot water and consuming hot water is being adjusted separately.
- Hygienic hot water includes two poses: Comfort and Economy. In the 'Comfort' position, water is being preheated based on consumption pattern. The time of water consumption is being recorded in device and in accordance with it, the water preheats on the next day (24 hours later)
- Comfort:
As activation, the device is being turned on automatically and the preheating process starts so that can provide hygienic hot water if needed fast.
- The design of control panel is so suitable that you can use it easily. The display's Light is blue. For lights are installed on the panel. System operating modes, real temperature and optimized temperature, error code, and system operating pressure have been written on the screen (display).
- Electronic board ensures the safety and efficiency of device. And it also handles the pump, fan, three-way valve, gas valve and flame monitoring.

Protection Systems Which have been Designed to Protect You & Device, Are Mentioned here

- Prevention of increase in temperature of discharging gases from chimney (Limit thermoregulator 105°)
- Ionized electrode (flame monitoring)
- Two- stage thermoregulator for prevention of increase in water temperature (95°, 105°)
- Hygienic hot water thermometer (DHW)
- Protection system of increase in heating circuit pressure (3 bar)
- Protection system of decrease in heating circuit pressure (0.6 bar)
- Protection system of voltage increase (260 Vac)
- Protection system of voltage decrease (160 Vac)
- Filter EMC (Electromagnetic compability)
- By pass protection system
- Anti freeze system
- Protection system of water flow monitoring
- Protection system of three-way valve anti seizure
- Automatic vent (Air went)
- 10-liter expansion tank





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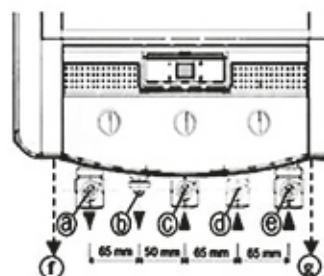
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**CONFEO PREMIX
WALL HUNG
GAS BOILER**

Technical Information

	Unit	CA24HM	CA30HM	CA35HM
Consumable gas		NAT/LPG	NAT/LPG	NAT/LPG
Maximum power out put	KW	24	30	35
Maximum consumption of natural gas NAT	M3/H	2.38	2.92	3.47
Maximum consumption of liquefied petroleum gas LPG	Kg/h	1.77	2.17	2.66
Natural gas pressure NAT	Mbar	20	20	20
Liquefied petroleum gas pressure LPG	Mbar	37	37	37
Minimum current of Consumable water	L/min	3	3	3
Minimum pressure of Consumable water	Bar	0.2	0.2	0.2
Maximum pressure of Consumable water	Bar	10	10	10
Adjustable temperature of hygienic water	°C	35-60	35-60	35-60
Adjustable temperature of heating water	°C	30-80	30-80	30-80
Minimum pressure of heating system	Bar	0.8	0.8	0.8
Maximum pressure of heating system	Bar	3	3	3
Consumable hot water	Δt31°	12	14	15.8
Hygienic hot water capacity	KW	26	31	36
Consuming electricity	Watt	115	115	110
Expansion tank's volume	Lit	10	10	10
Dimensions	Mm	750*454*3650	750*454*365	750*454*365



Gas & Water Set Connection

- a) Outgo valve 3.4
- b) Hygienic hot water 1.2
- c) Gas input 3.4
- d) Cold water input 1.2
- e) Income valve 3.4
- f) Condensed drain water
- g) Valve output 3 bar

**PROTEUS PLUS
WALL HUNG
GAS BOILER**

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protection systems secure your device as defined below



- Ionizer electrode (flame monitoring)
- Protection system of limit temperature (105 °C)
- Protection system of maximum temperature of hygienic hot water (71 °C)
- Protection system of maximum pressure of heating circuit water (3bar)
- Protection system of minimum pressure of heating circuit water (0.8bar)
- Protection system of minimum voltage (165 VAC)
- Anti-freeze system
- Anti-seizure protection system of the pump.
- 'By Pass' protection system
- 'Air went' automatic vent.
- 8-liter expansion tank

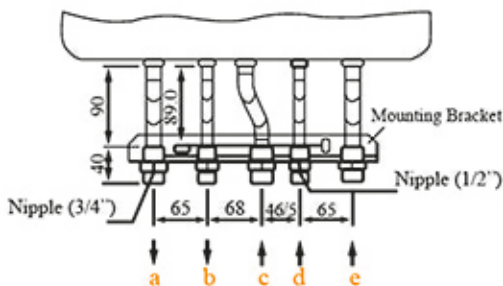
Technical Information

Proteus Plus gas boilers are wall hung gas boilers model C.

In these models, the device can provide its air itself and also transfer the gas which is emitted from ignition. Out of it. This action can be performed by a coaxial chimney.

Gas & Water Set Connection

- a) Outgo valve 3.4
- b) Hygienic hot water 1.2
- c) Gas input 3.4
- d) Cold water input 1.2
- e) Income valve 3.4



	unit	CA24HM
Consumable gas		NAT/LPG
Maximum power out put	KW	23.3
Maximum consumption of natural gas NAT	M3/H	2.67
Maximum consumption of liquefied petroleum gas LPG	Kg/h	2
Natural gas pressure NAT	Mbar	20
Liquefied petroleum gas pressure LPG	Mbar	30/37
Consumable hot water	L/min	10(Δt=33.4)
Minimum current of Consumable water	L/min	3
Minimum pressure of Consumable water	Bar	0.3
Maximum pressure of Consumable water	Bar	10
Adjustable temperature of hygienic water	°C	35-64
Minimum pressure of heating system	Bar	0.6
Maximum pressure of heating system	Bar	3
Consuming electricity	Watt	90
Expansion tank's volume	Lit	8
Dimensions	Mm	720*400*330



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- Ionizer electrode (flame monitoring)
- Protection system of limit temperature (105 °C)
- Protection system of maximum temperature of hygienic hot water (75 °C)
- Protection system of maximum temperature of heating circuit (95 °C)
- Protection system of maximum pressure of heating circuit water (3bar)
- Protection system of minimum pressure of heating circuit water (0.8bar)
- Protection system of minimum voltage (185 VAC)
- Anti-freeze system
- Anti-seizure protection system of the pump.
- 'By Pass' protection system
- 'Air went' automatic vent.
- 8- liter expansion tank

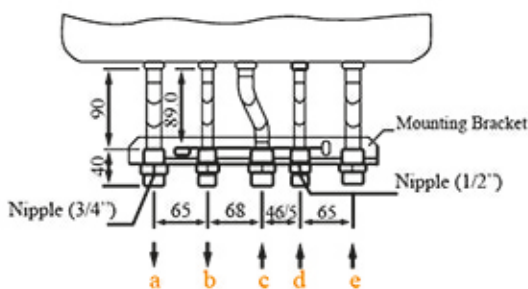
Technical Information

Proteus gas boilers are wall hung gas boilers model C.

In these models, the device can provide its air itself and also transfer the gas which is emitted from ignition. Out of it. This action can be performed by a coaxial chimney.

Gas & Water Set Connection

- a) Outgo valve 3.4
- b) Hygienic hot water 1.2
- c) Gas input 3.4
- d) Cold water input 1.2
- e) Income valve 3.4



	unit	PR 23.3HB / PR 23.3HM
Consumable gas		NAT/LPG
Maximum power out put	KW	23.3
Maximum consumption of natural gas NAT	M3/H	2.67
Maximum consumption of liquefied petroleum gas LPG	Kg/h	2
Natural gas pressure NAT	Mbar	20
Liquefied petroleum gas pressure LPG	Mbar	28.3
Consumable hot water	L/min	10(Δt=33.4)
Minimum current of Consumable water	L/min	3
Minimum pressure of Consumable water	Bar	0.3
Maximum pressure of Consumable water	Bar	10
Adjustable temperature of hygienic water	°C	35-60
Minimum pressure of heating system	Bar	0.8
Maximum pressure of heating system	Bar	3
Consuming Energy	Watt	140
Expansion tank's volume	Lit	7
Consuming electricity	Frequency	505HZ
	V	230VAC
Dimensions	Mm	720*400*330



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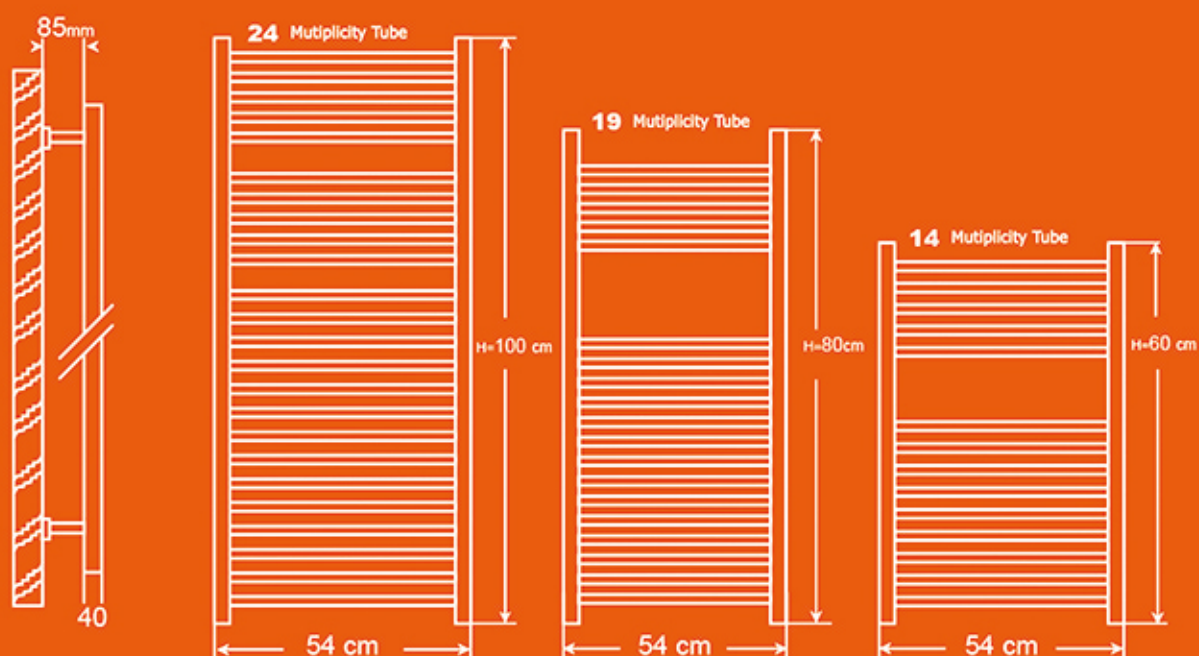


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**IRTURPAN
TOWEL DRYER**



Features

Pipes are made of aluminum and they have been manufactured through extrusion.

Table of physical-geometric characteristics of IRTURPAN towel dryer

Model	Specific Heat (Kc)	Pipe Diameter (mm)	Water Volume (Litre)	Multiplicity Tube (Tube)	Adventition (cm)	Length (cm)	Weight (kg)
D 500	600	21	5.10	24	53.5	100	7.100
E 500	475	21	4.20	19	53.5	80	4.700
F 500	350	21	3.30	14	53.5	60	3.600



ISO 14001



OHSAS 18001



CE



ISO 9001



Selected proceedings from the technical information and possessive buildings



Iran National Standard



Symposium chosen of brand management strategy



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