

ROOF-TOP & MINI ROOF-TOP & SKIDS



ADISA
CALEFACCIÓN

ROOF-TOP AUTONOMOUS HEAT EQUIPMENT

- SELF-SUPPORTING STRUCTURE
 - COMPACT TECHNOLOGY → SIZES & WEIGHTS
 - HOT WATER GENERATION FOR HEATING
- DOMESTIC HOT WATER
- NATURAL GAS / LPG
 - HIGH EFFICIENCY SOLUTION
 - SECTORS: RESIDENTIAL
HOTELS & SERVICES



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ROOF-TOP AUTONOMOUS HEAT EQUIPMENT

Model	Power Output (kW)	Casting dimensions Length x Width (m)	WEIGHT - without water (kg)	WEIGHT - with water (kg)	MAX. NUM. BOILERS
RT0	< 400	1,2 x 1,05	664	793	2 or more
RT1	< 465	1,8 x 1,8	1.300	1.980	2 or more
RT2	< 944	3,1 x 1,8	2.100	2.965	2 or more
RT3	< 1.416	3,6 x 1,8	2.700	3.350	3 or more
RT4	< 1.856	5,5 x 1,8	4.150	5.250	4 or more
RTH	Variable	Like RT1 to 3, but with a special height, to include domestic hot water vessels			



ROOF-TOP COMMON CHARACTERISTICS

1. COMPONENTS INCLUDED

BOILERS: ADI HT, ADI LT, ADI CD gas boilers

COMPLETE HYDRAULIC CIRCUIT: adapted to needs of installation

GAS CIRCUIT

ELECTRICAL CABINET: with regulation

FLUES CHIMNEYS: up to 3m height

2. SELF-SUPPORTING STRUCTURE

Power output: up to 1.850kW in one casting

Supports: the weight of the equipments included

Protection: galvanized steel with Skin Plate protection, fireproof and acoustic insulation

Access: all elements accessible from outside



3. MORE SAFETY

Waterproof

Ventilated

Gas line outside the building

No need to strength structure

Quality control

4. INSTALLATION SAVINGS

Installation during all the year

One delivery time & single supplier

Short installation time

Safe and fast start-up



5. CONTROL / ELECTRICITY

Electrical cabinet included with: safety devices, manual/automatic controls, active equipments & alarm signals

Power supply: 220v single phase or 380v three-phase

External stop/start for the whole equipment

ROOF-TOP COMMON CHARACTERISTICS

5. HYDRAULIC DESIGN

Hydraulic circuit flexible & adaptable to each installation

Collaboration with consultants, architects,...

Different options:

Only heating

Only domestic hot water

Heating & domestic hot water

1 or more outputs circuits

6. CIRCUITS

HYDRAULIC:

Heating (1 or more circuits)

Domestic Hot Water: with or without plate heat exchanger

With or without: mixing valve and pumps

Single/Double pumps

HYDRAULIC SAFETY DEVICES:

Automatic air venting & water pressure switch

Overpressure safety valves/s & closed expansion vessel/s

Anti-condensing control & flow switch

GAS CIRCUIT:

Gas manifold, gas filter, gas pressure governor, cut-off valves, gas detection

FLUES CHIMENYS:

Optional – stainless steel & insulated

7. BUFFER VESSELS

Optional equipment in RT with special height (2,67m)

Max. up to 4000L spread on several vessels



MINI ROOF-TOP AUTONOMOUS HEAT EQUIPMENT

-THE SMALLEST AND LIGHTEST ON THE MARKET

-1 OR 2 BOILERS

-MODULATION FROM 15% (with 2 boilers)

-NATURAL GAS OR LPG

-POWER OUTPUT UP TO 380KW

-INCLUDES:

-Gas boilers

-Hydraulic manifold

-Chimneys

-Circuits (hydraulic, gas, electric)

-Electrical panel

-Regulation & controls

-Safety elements

-OPTIONAL: gas leakage detector

-ALL TESTED BEFORE LEAVING THE FACTORY

-MANTEINANCE FROM OUTSIDE THE UNIT



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MINI ROOF-TOP COMMON CHARACTERISTICS

1. SAVINGS

GAS / ECONOMICAL:

Full adaptation to variable installation's demand
Possible to use with flow temp. (ADI LT & ADI CD)
Seasonal efficiency up to 108% (ADI CD)
Modulation & sequence control unit (2 boilers)

ELECTRICAL SAVINGS:

Pumps stops when the boiler has stopped
Low electrical consumption (from 48W)

LESS SPACE TAKEN UP:

Optimized size & weight



2. TECHNICAL PARAMETERS

Power supply: 230V, 50 Hz, single phase, earthed
Max. hydraulic pressure: 4 bar
Max. water flow temperature: 90°C
ADI CD & LT without return temperature limit
ADI HT return temperature: 60°C
Hydraulic & gas connections on the right (optional in the left)

SKID COMPACT EQUIPMENT FOR BOILER ROOM

- SAME CHARACTERISTICS BUT INDOORS
- FULLY CUSTOMIZED ACCORDING TO INSTALLATION NEEDS
- POSSIBLY TO INSTALL IN CASCADE
- THE BOILER'S ROOM MUST MEET CURRENT REGULATIONS

SKID SIZE	MAXIMUM POWER OUTPUT (kW)
1,1 x 1,1 m	Up to 400kW
1,8 x 1,8 m	Up to 465kW
2,8 x 1,8 m	Up to 944kW
3,3 x 1,8 m	Up to 1,856 kW



REFERENCES

