Lamborghini CALORECLIMA

AZIENDA CERTIFICATA UNI EN ISO 9001
UNI EN ISO 9001 CERTIFIED COMPANY
TVRTKA S CERTIFIKATOM ISO 9001
PROIZVOD SA SERTIFIKATOM ISO 9001
ДРУЖЕСТВО, СЕРТИФИЦИРАНО ПО UNI EN ISO 9001

Bruciatore a pellet - Pellet burner
Plamenik na pelete - Gorionik na pelete
Пелетна горелка

CE

ECO 3.4 P
ECO 5.5 P

Libretto uso e manutenzione
Installation and maintenance instructions
PRIRUČNIK ZA UPORABU I ODRŽAVANJE
PRIRUČNIK ZA UPOTREBU I ODRŽAVANJE
Инструкции за монтаж и поддръжка

IT GB HR RS BG

WARNINGS

• Carefully read the instructions in this handbook, since they provide important information on safe installation, use and maintenance.

• The instruction handbook is an integral part of the product and must be carefully kept by the user for future reference.

• Installation and maintenance must be carried out by professionaly qualified personnel, in compilance with current regulations and the manufaturer's instructions.
• Incorrect installation or poor maintenance can result in damage or injury. The manufacturer declines any liability for damege caused by incorrect installation and use or failure to follow its instructions.

• Before carrying out any cleaning or maintenance operation, disconnet the unit from power supply by means of the switch and/or the special cutoff devices.

• In case of faults or poor operation of the unit,deactivate it; do not attempt to repair or directly operate on it. Only contact professionally qualified personnel.

• After removing the packing, check the integrity of the contents.

• The packing materials are a potential source of hazard and must be kept out of thereach of children.

CERTIFICATION

The "CE" marking indicates that the units comply with the requirements of the applicable European directives.

In particular, this unit complies with the following EEC directives:

• Low Voltage Directive 2006/95/CE
• Electromagnetic Compatibility Directive 2004/108/CE

INDEX

OPERATING INSTRUCTIONS

• Introduction

Dear Costumer,

Thank you for choosing a burner featuring advanced design, cuttingedge technology, high reliability and quality construction.

ECO P is a pellet burner wose compact size and original design make it suitable for use with the majority of solid fuel-burning boilers avaliable on the market. The care taken in its design and industrial production has resulted in a well-balanced product offering high efficiences, low CO and Nox emissions and very quiet flame.

• Control panel

Display

The dispay shows various information, depending on the set operation method.

There are 3 operation method:

- **. A** = Burner management (default setting)
- **. B** = Burner management (Second internal clock or contact)
- **. C** = Burner management (Second internal clock or contact)

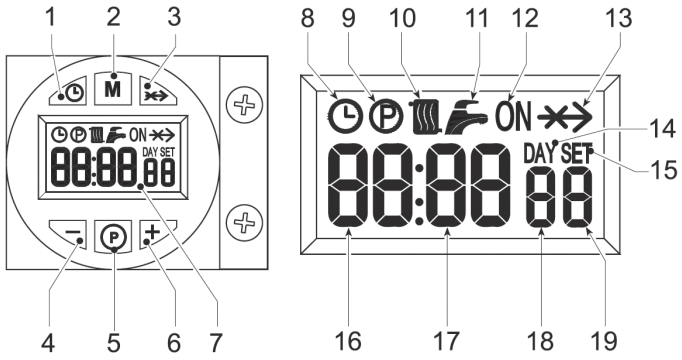


Fig.1 - Control panel

Fig.1	Method A	Methods B and C
1	Day/time setting button	
2	Operation mode selection button	
3	Override button - Pellet load button	
4	- button	
5	Programming / reset button	
6	+ button	
7	Display	
8	Automatic mode symbol	
9	Programming Menu symbol	
10	Burner lighting request symbol	
11	Not used	
12	Multifunction symbol: •in Automatic mode, it indicates when the programmer clock is in the request band •if Automatic mode was not selected it indicates Manual On mode	
13	Override symbol	
14	Deactivated symbol	Day symbol
15	Deactivated symbol	Setting symbol
16	Heating sensor temperature	Current time
17	°C symbol	Current minutes
18	Actual burner power 1 = Minimum 5 = Maximum O/FH = During Pre-ventilation/Post-ventilation 6 = During Post-ventilation2	Day of the week
19	Burner On	

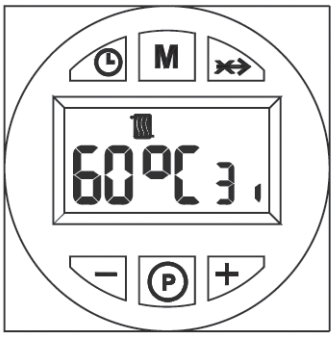


Fig.2 Method A

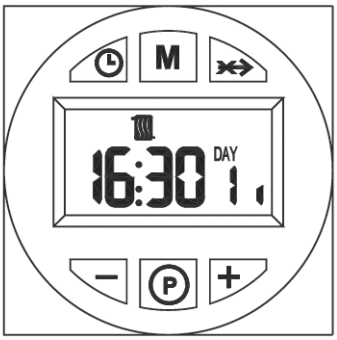


Fig.2 Method B and C

The lighting request (generated on closing of the contact on terminals T1-T2 (see wiring diagram), in default setting conditions is indicated by activation of the radiator symbol (detail 10-fig.1).

• Lighting

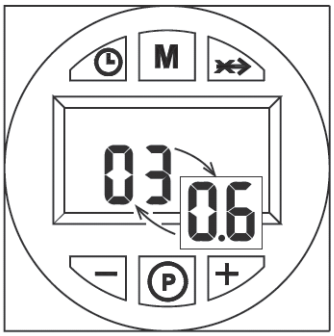


Fig.3 Method A

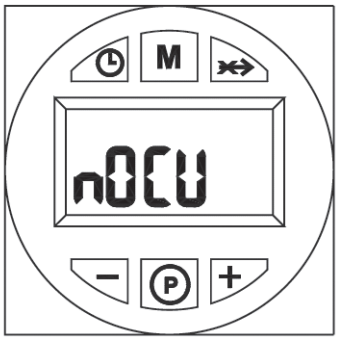


Fig.3 Method B+C

Switch on thepower of the unit:
. During the first 10 seconds the display shows :
- The software version of the user interface and the controller (fig. 3 A)
- “nOCU” (fig. 5) may appear for a couple of seconds (fig. 3 B C)

• Adjustements

Settig the clock (methods B and C only)

1. Press the day/time setting button (detail. 1 - fig. 1).

2. The CLOCK and DAY icons flash on the display (detail 7-fig.1): set the current day of the week with the+ and – buttons (detail 4 and 6-fig.1), considering that 1=Monday, 7=Sunday. Confirm the day by pressing the day/time setting button(detail 1-fig.1).

3. The two digits of the CURRENT HOUR and the CLOCK icon flash on the display (detail 7-fig.1): set the exact hour with the + and – buttons (detail 4 and 6-fig.1), from 00 to 23. Confirm the hour by pressing the day/time setting button (detail 1-fig.1).

4. The two digits of the CURRENT MINUTES and the CLOCK icon flash on the display (detail 7-fig.1): set the exact minutes with the+ and – button (detail 4 and 6- fig.1) from 00 to 59. Confirm the minutes by pressing the day/time setting button (detail 1-fig.1). Automatic Heating, Manual On, Manual Off Mode.

Press the operation mode selection button (detail 2-fig.1) to set:

1. In Automatic mode, the display (detail 7-fig.1) shows the CLOCK icon. The burner activation and deactivation request depends on the set weekly programme. In the request time band, the display (detail 7-fig.1) also shows the ON icon.

2. In Manual On mode, the display (detail 7-fig.1) only shows The ON icon. The burner is always in request status.
- The set weekly programme is by-passed.

3. In Manual Off mode, the display (detail 7-fig.1) does not show the ON icon or CLOCK icon. The burner is off.
- The set weekly programme is by-passed.

Preset (factory-set) weekly programme)

06:30 - 08:30
12:00 - 12:00
16:30 - 22:30

The weekly programme is present with 3 ON time bands and 3 OFF time bands:
equal for each day of the week. In request time band, the display (detail 7-fig.1) shows the ON icon.
-Important: Check burner operation methods.

Weekly programme modification (methods B and C only)

1. Press the Programming button" P' (detail. 5 - fig. 1)

2. Select the day to be programmed with the + and - buttons (detail. 4 e 6 - fig. 1):
• Day 1 and Radiator flash: Monday heating programming
• Day 2 and Radiator flash: Tuesday heating programming
• Day 3 and Radiator flash: Wednesday heating programming
• Day 4 and Radiator flash: Thursday heating programming
• Day 5 and Radiator flash: Friday heating programming
• Day 6 and Radiator flash: Saturday heating programming
• Day 7 and Radiator flash: Sunday heating programming
• Day 15 and Radiator flash: heating programming period Monday-Friday
• Day 67 and Radiator flash: heating programming period Saturday-Sunday
• Day 16 and Radiator flash: heating programming period Monday-Saturday
• Day 17 and Radiator flash: heating programming period Monday-Sunday
• Day 17 and Radiator flash: not used

3. Press the Programming button” P” (detail. 5 - fig. 1):
4.06:30 on Radiator flash, ON, 1
4.1 Use the + and - buttons (part. 4 e 6 fig. 1) to modify the start of the 1st ON time band; example 06:00

Press the Programming button” P” (detail. 5 - fig. 1)
5.08:30 on Radiator flash, 2
5.1 Use the + and - buttons (part. 4 e 6 fig. 1) to modify the start of the 1st OFF time band; example 09:00

Press the Programming button” P” (detail. 5 - fig. 1)
6.12:00 on Radiator flash, ON, 3
6.1 Use the + and - buttons (part. 4 e 6 fig. 1) to modify the start of the 2nd ON time band; example 12:30

Press the Programming button” P” (detail. 5 - fig. 1)
7. 12:00 on Radiator flash, 4
7.1 Use the + and - buttons (part. 4 e 6 fig. 1) to modify the start of the 2snd OFF time band; example 14:00

Press the Programming button” P” (detail. 5 - fig. 1)
8. 16:30 on Radiator flash, ON, 5
8.1 Use the + and - buttons (part. 4 e 6 fig. 1) to modify the start of the 3rd ON time band; example 16:00

Press the Programming button” P” (detail. 5 - fig. 1)
9.22.:30 on Radiator flash, 6
9.1 Use the + and - buttons (part. 4 e 6 fig. 1) to modify the start of the 3rd OFF time band; example 23:30

Press the Programming button” P” (detail. 5 - fig. 1)
10. By repeating the above procedure it is possible to programme the 4th ON time band and the 4th OFF time band.

11. Press the Programming button” P” (detail. 5 - fig. 1) for 3 seconds to exit the programming mode.

Parameters menu

Press the programming button “M” (detail 2-fig.1) for 5 seconds to access the parameters menu. The parameter “u01” is displayed: identified by the message SET 01. Press the button “P” (detail. 5 - fig. 1) to scroll the list of parameters.
Just press the + amd – buttons (detail 4 and 6-fig.1) to modify the value of a parasmetr: the modification will be automatically stored. After modifying the parameter, It is necessary to wait 3 seconds: the data flashes and is stored.

Table 1

Parameter	Description	Range	Default 3.4 P	Default 5.5 P
u01	Delivery setpoint adjustement	30 – 80 °C	80°C	80°C
u02	Burner max. power	1 - 5	3	3
u03	Burner operation methods	0 - 2	0	0

Press the “operation mode selection – M button (detail.2 - fig.1) for 5 seconds to exit the menu.

Service parameters Menu

Press the programming button “P”(detail 5-fig.1) for 10 seconds to access the parameters menu. The parameter “t01” is dislayed: idintified by the message SET 01.
Press the button “P” ”(detail 5-fig.1) to scroll the list of parameters.
To modify the value of a parameter just press the + and – buttons (detail 4 and 6- fig.1: the change will be automatically stored. After modifying the parameter, It is necessary to wait 3 seconds: the data flashes and is stored.

Table 2

Parameter	Description	Range	Default 3.4 P	Default 5.5 P
t01	Pellet loading function	0=Disabled 1=Enabled	0=Disabled	0=Disabled
t02	Delivery probe	0=Disabled 1=Enabled	1=Enabled	1=Enabled
t03	Fan setpoint in Lighting	0-200 Pa	51 Pa	51 Pa
t04	Auger activation time in Lighting	0-100 (1=4sec)	8	8
t05	Adjustment calculation timer (only with Modulating burner operation with delivery Probe)	0-100 seconds	5 seconds	5 seconds
t06	Ramp function timer	0-100 seconds	100 seconds	100 seconds
t07	Period /activation+deactivation time) with auger operating (from Power 1 to Power 5)	0-50 seconds	15 seconds	12 seconds
t08	Fan setpoint at Power 1	0-200 Pa	51 Pa	60 Pa
t09	Auger activation time at Power1	0-100 (100=10s)	28	30
t10	Fan setpoint at Power 2	0-200 Pa	74 Pa	105 Pa
t11	Auger activation time at Power 2	0-100 (100=10s)	38	40
t12	Fan setpoint at Power 3	0-200 Pa	120 Pa	130 Pa
t13	Auger activation time at Power 3	0-100 (100=10s)	46	46
t14	Fan setpoint at Power 4	0-200 Pa	150 Pa	160 Pa
t15	Auger activation time at Power 4	0-100 (100=10s)	53	54
t16	Fan setpoint at Power 5	0-200 Pa	170 Pa	190 Pa
t17	Auger activation time at Power 5	0-100 (100=10s)	56	70
t18	Burner operation selection (Only with Delivery Probe)	0=On/Off 1=modulating	0	0
t19	Post –Ventilation time 2	0-100 (100=10s)	99	99
t20 *	Voltage photoresistor	0-30 (50=5Vdc)**	--	--

** Only parameter display*

*** 0-30 = Optimal operating condition*

Press the programming button “P” (part. 5 - fig. 1) for 10 seconds to exit the menu.

• Operating instructions

Once the burner is installed and correctly adjusted, its operation is fully automatic without requiring any control by the user. In case of anomalies or no fuel, the burner stops and shuts down. It is advisable to fill with before it completely finishes, to avoid irregular burner operation.
Make sure the room where the burner is installed is free of flammable materials or objects, corrosive gases and volatile substances, and that it is not dusty. In fact, dust drawn by the fan sticks to the blades and reduces the air flow or can obstruct the flame stability disk, affecting its efficiency.

Do not allow unskilled persons children to tamper with the burner.

Max. power adjustment (parameter u02) depending on the boiler

The parameter t18 is set by default at the value 0 (on-off operation).
It is necessary to set the maximum power of the burner as a function of the boiler's power (see table 3).

Table 3

Power	3.4 P (kW)	5.5 P (kW)
1	14	30
2	20	36
3	25	41
4	30	48
5	34	55

INSTALLATION

• General instructions

This unit must only be used for its inteded purpose. This unit can be used with heat generators for solid fuels, compatibility with its caracteristics, performance and heating capacity. Any other use is deemed improper and therefore hazarddous.
Opening or tampering with the unit's components is not allowed (except for the parts requiring servicing); do not modify the unit to alter its performance or intended use.
If the burner is completed with optionals, or accessories, only use original products.

BURNER INSTALLATION AND SETTING MUST ONLY BE CARRIED OUT BY QUALIFIED AND SPECIALISED PERSONNEL, COMPLYING WITH ALL THE INSTRUCTIONS GIVEN IN THIS TECHINAL MANUAL, THE CURRENT PROVIONS OF LAW, THE PRESCRIPTIONS OF NATIONAL AND LOCAL STANDARDS, AND THE RULES OF PROPER WORKMANSHIP.

• Installation in boiler

Place of installation

The room where the boiler and burner are installed must have openings to the outside as required by current regulations. If there are several burners or exhausters that can work together in the same room, the ventilation openings must be sized for simultaneonus operation of all the units.
The place of installation must be free of flammable materials or objects, corrosive gases, dusts or volatile substances which, drawn by the fan, can obstruct yhe pipes inside the burner or the combustion head. The room must be dry and not exposed to rain, snow or frost.
Fix the burner to the door. Make the electrical connections as described in section (wiring diagram).
Insert the temperature probe (contained in the kit) in the sheating on the cast-iron boiler shell and make the respective electrical connections.

THE BURNER IS DESIGNED TO WORK ON HEAT GENERATORS WITH COMBUSTION CHAMBER IN NEGATIVA PRESSURE.
THE PELLET CONTAINER MUST BE POSITIONED SO THAT THE AUGER/BURNER FLEXIBLE CONNECTION TUBE IS NOT TWISTED AND/OR BENT.

Fixing to the boiler

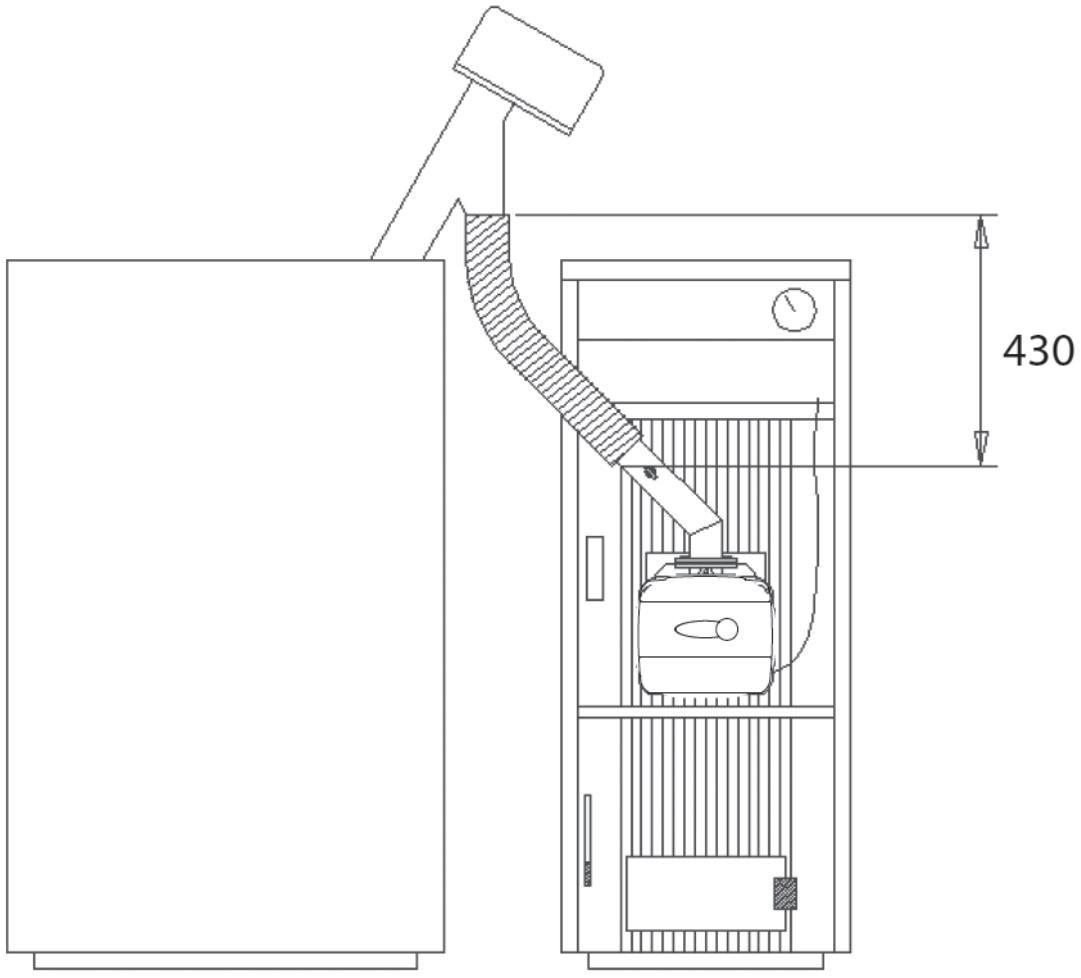


Fig.4

• Electrical connections

The burner is equipped with a multipole plug for the electrical connections; refer to the wiring diagram “Technical data and characteristics” for the connections. The connections to be made by the installer are:
• supply line
• request contact
• auger motor connection
The lenght of the connection cables must allow the burner and, if necessary, the boiler door to be opened. If the burner power cable is damaged, it must only be replaced by qualified personnel.
The burner must be connected to a single-phase 230 Volt-50 Hz electric line.

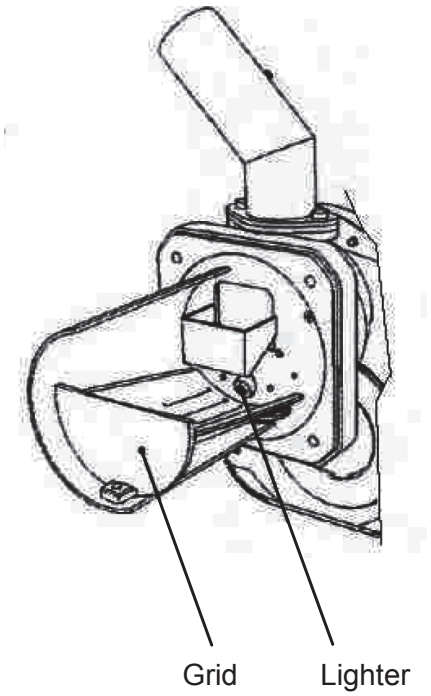
Have theefficiency and suitabily of the earthing system checked by profesionally qualified personnel; the Manufacturer declines any liability for damage caused by failure to earth the system. Also make sure the electrical system is adequate for the maximun power absobed by the unit, as specified on the boiler dataplate.
Make sure torespect the polarities (LINE: brown wire / NEUTRAL:blu wire / EARTH:yellow/green wire) when making connections to the electric line.

• Fuel supply

General instructions
The burner must be fed with the type of fuel for which it is arranged, as specified on the unit’s dataplate and in technical data table in this manual.
The user is advised to use good quality pellets, since low quality pellets result in low heat outputs, high ash content wuth subsquent need of frequent cleaning, possible early wear of burner parts exposed to the fire, clogging of the auger and burner due to excess loose sawdust, and operation shutdowns due to sedimentation of unburnt materials inside the burner.

Igniter and grille positioning

Fig.5



• Pellet loading

Pellet loading can be activated within 40 minutes of switching on the power to the burner.
Within this time, the system makes avaliable three 5-minute attemps, during which only the auger is activated.
The burner cannot be lit during pellet loading.

Sequence:
1. Switch on the power to the burner.
2. Wait for the pre-ventilation stage to end.
3. Remove the burner lighting request: open the request contact (Method A, default setting) or set the manual OFF mode (Method B and C).
4. Press and hold down the Override button “x->” (detail 3 - fig. 1) for 3 seconds.
- The message “PELt”, identifying the imminent start of the PELLET loading procedure, will be displayed.
- After two seconds, the auger will be electrically powered and continuously for a maximum time of 5 minutes.
- PELLET loading can be terminated at any time by pressing and holding down the Override button “x->” (detail 3 - fig. 1) for 3 seconds.
5. If the maximum pellet loading time (5 minutes) is reached, the power to the auger is switched off.
6. Press and hold down the Override button “x->” (detail 3 - fig. 1) for 3 seconds.
- The message “PELt” will disappear and the display returns to normal operation.
7. If the first attempt was not sufficient, repeat the previous sequence from point 4 to start the second attempt
8. If the second attempt was not sufficient, repeat the previous sequence from point 4 to start the third and last attempt
9. In order to do another 3 attempts, switch the power to the unit off and then on again
10. After pellet loading, reinstate the burner lighting request: close the request contact (Method A, default setting) or set the Automatic or manual ON mode (Method B and C)

SERVICE AND MAINTENANCE

All adjustment, commisionig and maintenance operations must be carried out by Qualified Personnel in compliance with current regulations. The personnel of our sales organisation and the Local After-Sales Technical Service are at your disposal for any further information.
Lamborghini Calor S.p.A. declines any liabilty for damage and/or injury caused by unqualified and unauthorised people tampering with the unit.

• Burner operation methods

Three methods are envisaged for managing burner lighting.
00. Burner management (default settings)
The rquest for burner lighting is activated exclusively on closing of the contac on terminals T1-T2 (wiring diagram)
-The Clock and the set weekly programme are by-passed: theexact time does not have to be set.
01. Burner management (With internal Clock or Contact)
The rquest for burner lighting can be activated by the Clock (during Automatic Heating Mode in ON Band or in Manual On Heating Mode) or with closing of the contact on terminals T1-T2(wiring diagram)
-It is necessary to set the Clock and possibly modify the weekly programme default setting.

02. Burner management (With internal Clock or Contact)

The rquest for burner lighting is activated by the Clock (during Automatic Heating Mode in ON Band or with Manual On Heating Mode) or if the contact on terminals T1-T2 is closed (wiring diagram).
-It is necessary to set the Clock and possibly modify the weekly programme default setting.

The selection of A,B or C occurs from the Clock user menu.
Press the operation mode selection button “M” (detail 2-fig.1) for 5 seconds.
Press the Programming button “P” (detail 5-fig.1) twice.
Parameter no.3, identified by the message SET 03, is displayed.
Set to 00 for mode A, 01 for mode B, or 02 for mode C with the + and – buttons (detail 4 and 6-fig.1).
After selecting the method, it is necessary to wait 3 seconds: the data flashes and is stored.
To exit the menu, press the operation mode selection button “M” (detail 2-fig.1) for 5 seconds.

• Commisioning

Check to be made at first lighting, and after all maintenance operations involving disconnection from the system or work on safety devices or part of the burner:

Before the lighting the burner

• Make sure the burner is correctly fixed in the boiler with the preliminary settings indicated above.
• Make sure the boiler and system are filled with water or diathermic oil, the plumbing circuit valves are open and that the flue is free and correctly sized.
• Check closing of the boiler door, so that the flame is only generated inside the combustion chamber.
• Check the correct positionig of the auger and the burner connection flexible tube.
• Fill the hopper with pellets.

-Make sure the grille is clean (fig.5)

Burner lighting

• Provide power, closing the switch upstream of the burner
• To fill the auger with pellets, see par.”Fuel supply”
• Close the thermostat line (boiler/room).

Burner setting

1. Connect a combustion analyser to the boiler outlet and leave the burner working at max. for 30 minutes; meanwhile, check the efficiency of the fume exhaupst pipe.
2. MAKE SURE THE COMBUSTION CHAMBER IS IN NEGATIVE PRESSURE.
3. Check the combustion at max. burner power (adjusted according to boiler nominal power).
4. If the O2% in the fumes is not between 5% and 9%, change the fan setpoint by modifying the relevant parameter (see the section “Service parameters menu” and table 2 in chap. “Adjustments”).
5. Check the other burner steps, reducing the value parameter u02 to 1(see the section “Parameters menu” and table 1 in chap. “Adjustments”).
6. Set the parameter u02 to the correct value.

• **Maintenance**

The burner requires periodical maintenance which must be performed by qualified personnel at least one a year.
The basic operations to carry out are:
• checking and cleaning the internals parts of burner and boiler as indicated in the following sections;
• complete combustion analysis 8after at least 10 minutes' operation) and check of correct setting;

Opening of casing and burner disassembly
Before carrying out any checking oe cleaning inside the burner, disconnect the power to the burner by means of the main system switch.

To open:
Undo the screws (A) and remove the casing (B). The internal components, motor, shutter, etc. can be directly accessed.

To disassemble
Undo the screws (A) and remove the casing (B), undo the nut (C) and disconnect the body, undo the fixing screws (D) and remove the nozzle (E).

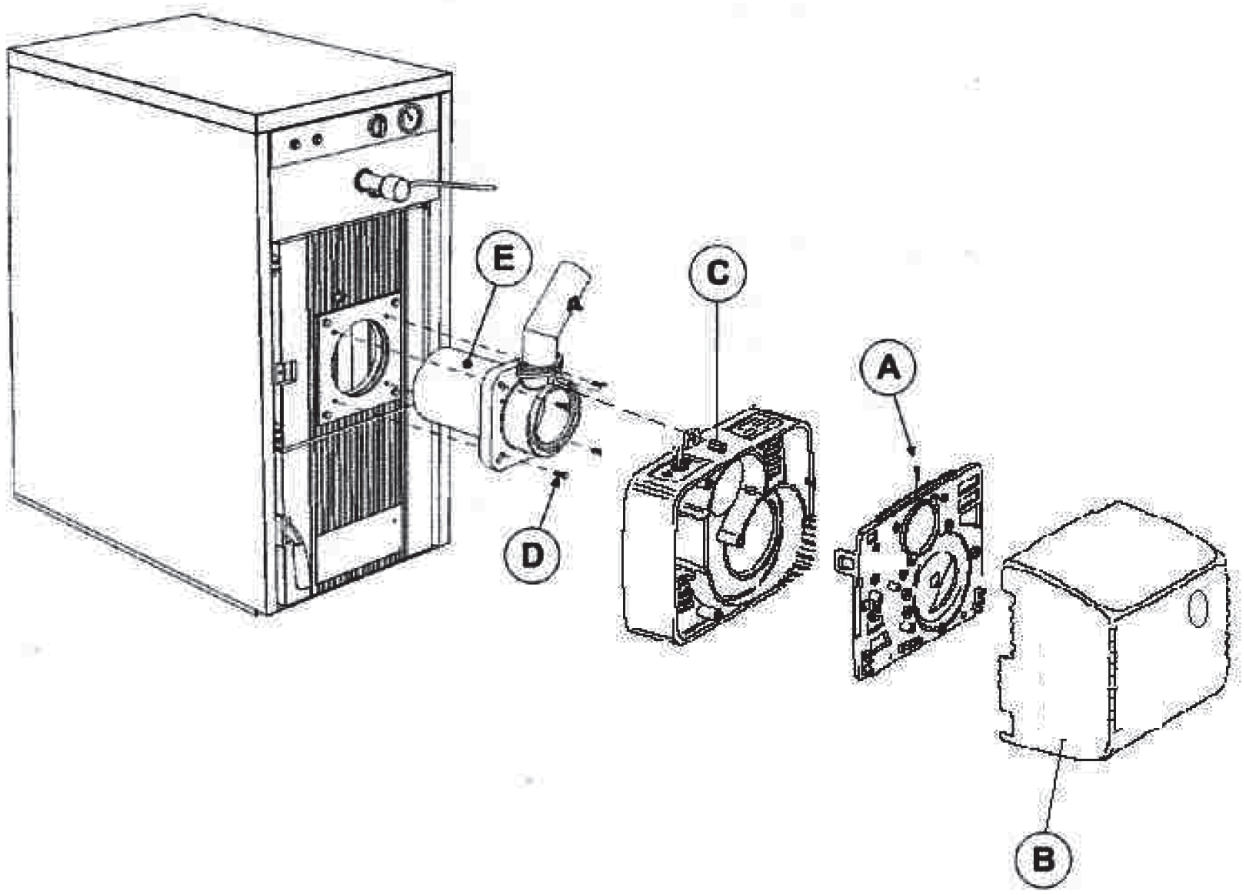


Fig.6

Checks on parts and components

Fan
Make sure no dust has accumulated inside the fan and on the blades: it reduces the air flow, thus causing pollutant combustion.

Combustion head
Make sure all parts of the combustion head are integral, not buckled by thehigh temperature, free of impurities coming from the room, and coorectly positioned.

Photoresistance
Remove any dust on the glass. The photoresistance is press-on; to remove, pull it outwards.

• Troubleshooting

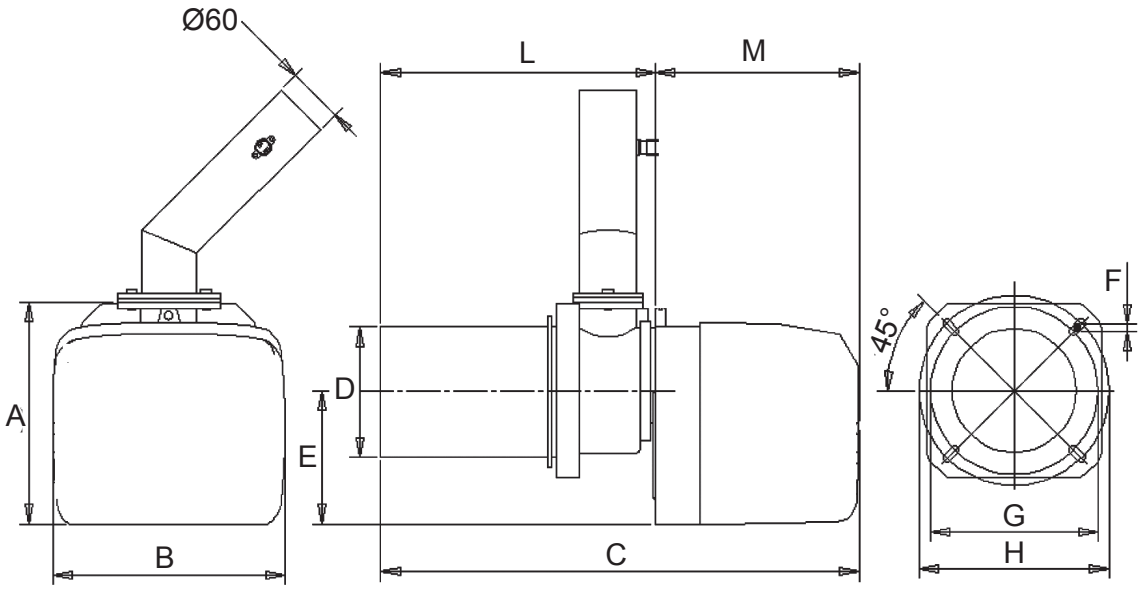
The burner is equipped with an advanced self-diagnosis system. In case of burner anomaly, the display (detail 7-fig.1) flashes indicating the fault code.
There are faults that cause permanent shutdown (marked with the letter “A”): to restore operation, press the button ”P” (detail 5-fig.1) for 1 second; if the burner fails to start, it is necessary to firstly eliminate the fault.
Other faults cause temporary shutdowns (marked with the letter “F”) which are automatically reset as soon as the value returns within the burner’s normal working range.

Fault list

Code	Fault	Cause	Cure
A01	No ignition shutdown	-pellet container empty -auger cable broken or disconnected -faulty igniter resistance -combustion head dirty -pellet feed duct blocked	-fill the container with pellets -restore the connection -replace and empty the head of pellets -empty and clean it -free it,make sure the combustion head is not logged and empty it if necessary
F02	Parasite flame elimination	-the demand for heat has ended, but the burner detects flame.	-wait for end post-ventilation
A02	Shutdown for parasite flame	-photoresistance short circuit -exstaneous light strikes the photoresistance	-replace the photoresistance -eliminate the light source
A04	Auger safety thermostat shutdown	-incorrect ignition parameters -boiler under pressure -faulty safety thermostat	-check the tranparent parameters 03=51 and 04=12 -clean it and check correct minimum flue draught (10Pa) -replace
F05	Incorrect pipe pressure adjustement	-pressure sensor connection tube squashed -fan motor damaged -fan dirty	-replace - replace -clean it
F06	Pressure transducer fault (disconnected)	-wiring disconnected	-check the wiring or replace the sensor
F10	Boiler shell probe fault (if enabled)	-sensoe damaged -wiring shorted -wiring disconnected	- check the wiring or replace the sensor
A03	Wiring fault	Jumper of terminals S3 - B4 not connected	-Check the wiring

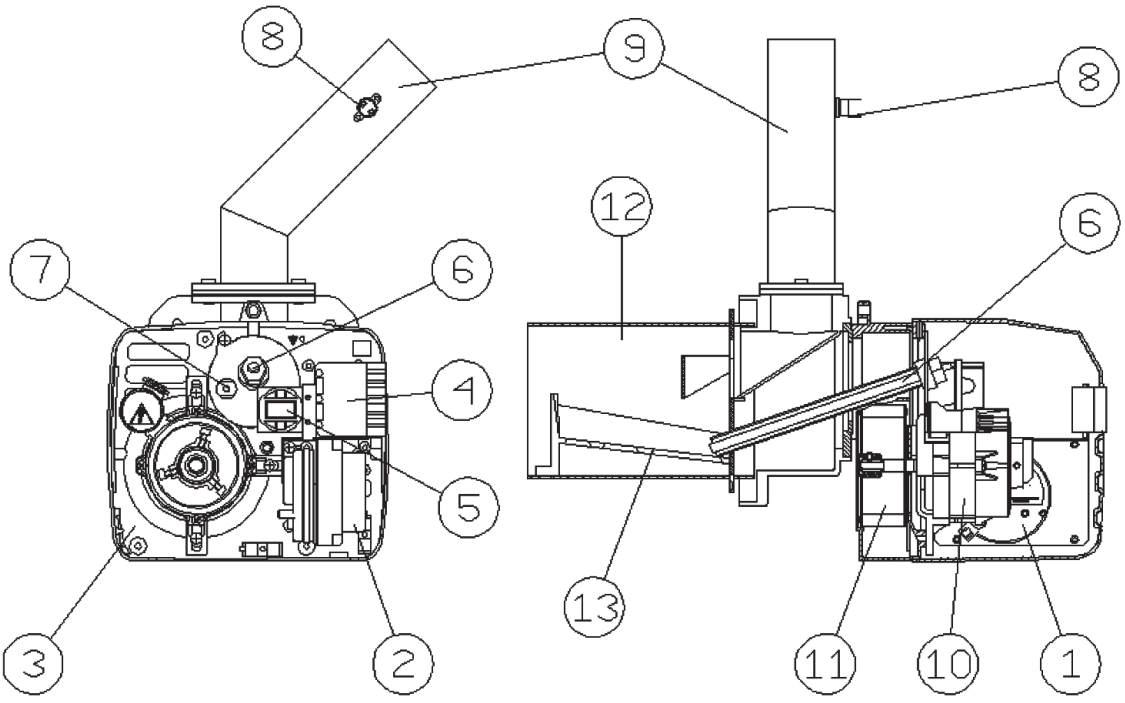
TECHNICAL DATA AND CHARACTERISTICS

• Dimensions



	A	B	C	ØD	E	F	ØG	ØH	L	M
ECO 3.4 P	238	250	514	139.7	144	M8	180	204	295	219
ECO 5.5 P	300	280	580	168	175	M8	210	234	343	235

• General view and main components

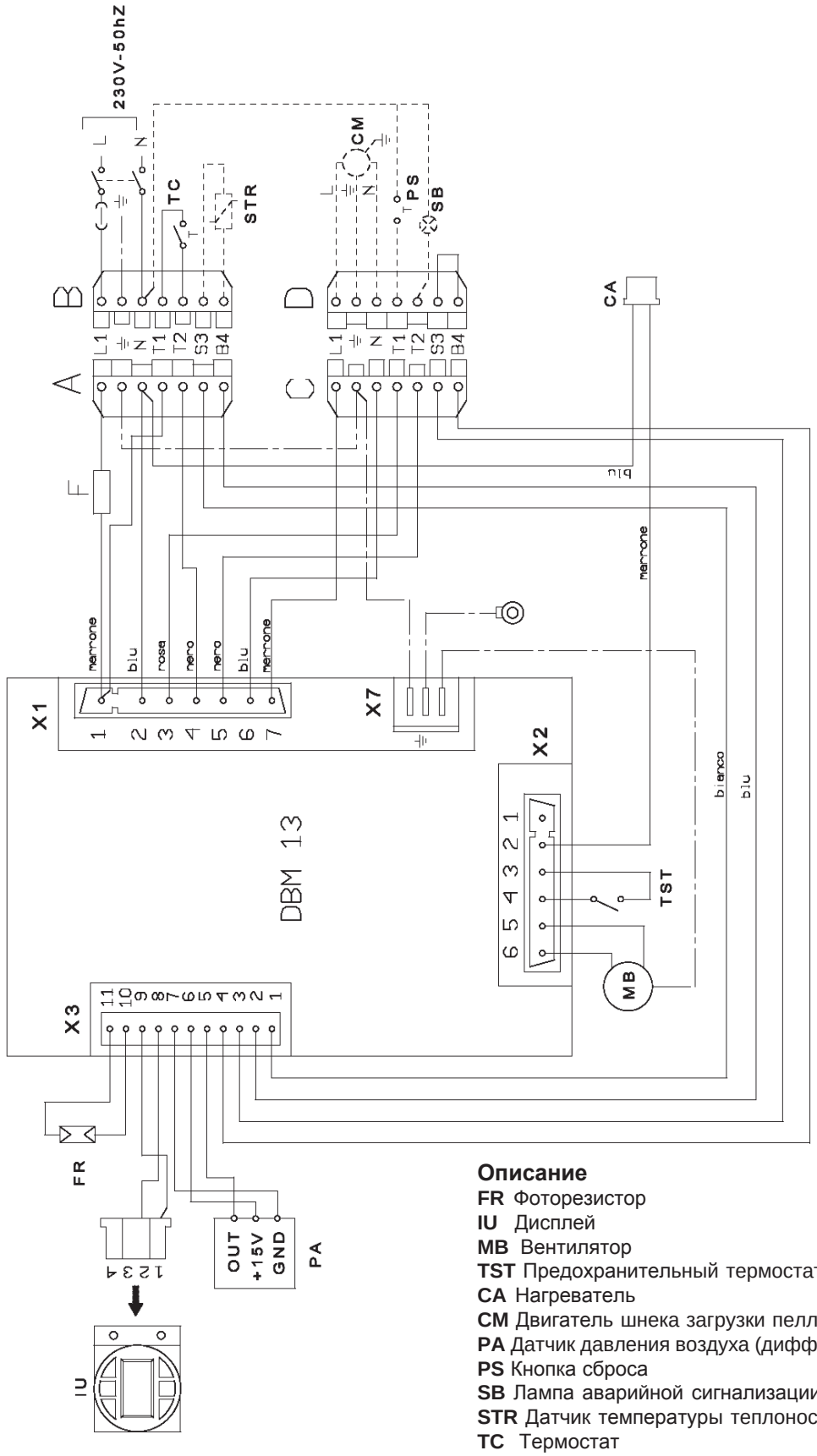


1 Pressure transducer
2 Contoller
3 Burner body
4 Connectly plug
5 User interface
7 Photoresistance
8 Thermostat 85°C
9 Burner loading tube
10 Motor
11 Fan
12 Nozzle
13 Griglia

• **Technical data tab**

Data	Unit	3.4 P	5.5 P
Max. heating capacity	kW	34.1	55
Min. heating capacity	kW	13.7	30
Max. fuel delivery	kg/h	7.2	11,6
Min. fuel delivery	kg/h	2.9	6,3
Electrical protection rating	IP	X0D	X0D
Power voltage/frequency	V/Hz	230/50	230/50
Electrical absorption motor	W	50	70
Igniter rated power	W	300	300
Empty weight	kg	11	19
Hopper capacity	l	195	195
Hopper content	kg	140	140
Pellet dimensions (max. diameter/length)	mm	6/35	6/35
Combustion chamber negative pressure	mbar	-0.2	-0,2

- **Электросхема**



Описание
FR Фоторезистор
IU Дисплей
MB Вентилятор
TST Предохранительный термостат пеллет
CA Нагреватель
CM Двигатель шнека загрузки пеллет
PA Датчик давления воздуха (дифференциальный)
PS Кнопка сброса
SB Лампа аварийной сигнализации
STR Датчик температуры теплоносителя
TC Термостат

Important: Before connecting the rquest contact, remove the jumper on the connection plug.

Le illustrazioni e i dati riportati sono indicativi e non impegnano. La Lamborghini Calor si riserva il diritto di apportare senza obbligo di preavviso tutte le modifiche che ritiene più opportune per l'evoluzione del prodotto.

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