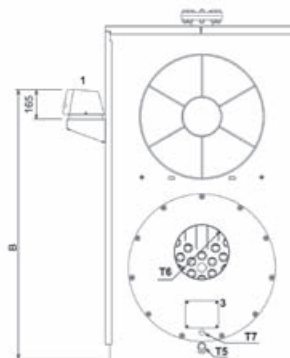
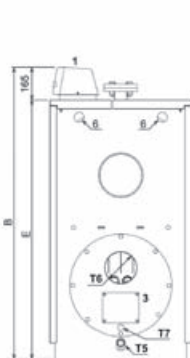
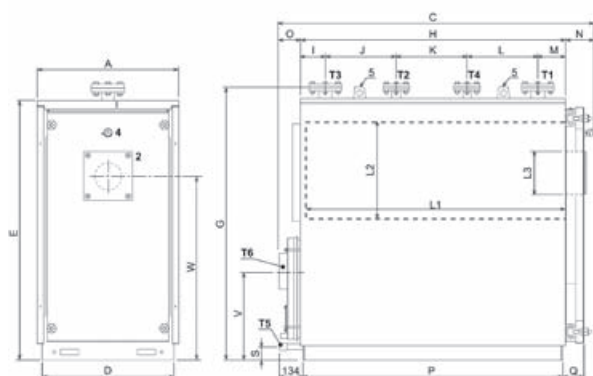


TP3 COND

THREE PASS CONDENSING STEEL BOILER



- **High-water steel condensing boiler**, ready to be coupling with **oil or gas jet burner**
- Three flue gas passes:
 - * **Floating combustion chamber** with cooled end plate and a **very low volumetric heating**
 - * **Big pipe for the second pass in INOX 2205**; with the flue gas recovery from the bottom of the combustion chamber
 - * Tube bundle for the third flue gas pass in INOX 2205 to ensure the highest resistance to corrosive condensation; located at the lower part of the hot water generator, fitted with steel inox turbulators to increase convective heat exchange and the condensing process.
- **Front door with reversible opening** from both sides and **innovative closing system with four micrometric adjustment** on the boiler body. Heat insulation using material with excellent insulating properties and reduced thermal inertia, protected by refractory material on the furnace side and on the flue gas pass side.
- Double heating system return for a correct installation with the low and medium temperature returns. All models of the series have flanged fittings complete with counterflanges
- **Very small frontal size** for an easy access to the thermal power station
- **High efficiency system**
- **Maximum operating pressure 6 bar**
- **Maximum design temperature 100°C**
- **Satellite control panel** in two versions: thermostatic or electronic



> KEY

- T1 Central heating Outlet
- T2 High temperature CH inlet
- T3 Low temperature CH inlet
- T4 Safety connection
- T5 Boiler drain
- T6 Flue drain
- T7 Condensate drain
- 1 Control panel
- 2 Burner plate
- 3 Cleaning door flue gas
- 4 Flame control



| MODEL | 65 | 100 | 150 | 230 | 370 | 500 | 650 | |
|--|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| ERP class | | - | - | - | - | - | - | |
| Thermal input power (kW) | Max | 61,3 | 94,3 | 141,5 | 217 | 349,1 | 471,7 | |
| | Min | 18,4 | 28,3 | 42,5 | 65,1 | 104,7 | 141,5 | |
| Thermal output power (80/60°C) (kW) | Max | 59,5 | 91,5 | 137,3 | 210,5 | 338,6 | 457,5 | |
| | Min | 18 | 27,7 | 41,6 | 63,8 | 102,6 | 138,7 | |
| Thermal output power (50/30°C) (kW) | Gas | Max | 65 | 100 | 150 | 230 | 370 | |
| | | Min | 19,7 | 30,3 | 45,4 | 69,7 | 112 | 151,4 |
| | Oil | Max | 62,9 | 96,7 | 145 | 222,4 | 357,8 | 483,5 |
| | | Min | 19,1 | 29,4 | 44,2 | 67,7 | 108,9 | 147,2 |
| Efficiency (50/30°C) (%) | Gas | Max | 106 | 106 | 106 | 106 | 106 | |
| | | Min | 107 | 107 | 107 | 107 | 107 | |
| | Oil | Max | 102,5 | 102,5 | 102,5 | 102,5 | 102,5 | |
| | | Min | 104 | 104 | 104 | 104 | 104 | |
| Efficiency 30% | Gas | Max | 107,5 | 107,5 | 107,5 | 107,5 | 107,5 | |
| | Oil | Min | 104,5 | 104,5 | 104,5 | 104,5 | 104,5 | |
| Maximum operating pressure | bar | 6 | 6 | 6 | 6 | 6 | 6 | |
| Loss pressure water side | mbar | 0,4 | 0,65 | 1,7 | 1,7 | 2 | 3,5 | |
| Protection rating | | IPX0D | | | | | | |
| Electrical power supply | V/Hz | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | |
| Empty weight | Kg | 377 | 436 | 490 | 645 | 1035 | 1338 | |
| CODE | | ORGZ3AXA | ORGZ4AXA | ORGZ5AXA | ORGZ8AXA | ORGZBAXA | ORGZDAXA | ORGZGAXA |
| THERMOSTATIC CONTROL BOARD CODE | | QQ2K09XA | | | | | | |
| EBM ELECTRONIC CONTROLLER | | QQC070XA | | | | | | |

DIMENSIONS AND CONNECTIONS

| MODEL | | | 65 | 100 | 150 | 230 | 370 | 500 | 650 |
|---------------------------|----|-------|-------|-------|-------|-------|-------|--------|--------|
| Dimensions | A | mm | 700 | 700 | 700 | 800 | 950 | 1050 | 1050 |
| | B | mm | 1437 | 1437 | 1437 | 1637 | 1462 | 1462 | 1462 |
| | C | mm | 1157 | 1377 | 1577 | 1777 | 1987 | 2187 | 2387 |
| | D | mm | 650 | 650 | 650 | 750 | 900 | 1000 | 1000 |
| | E | mm | 1275 | 1275 | 1275 | 1475 | 1655 | 1805 | 1805 |
| | G | mm | 1335 | 1335 | 1335 | 1535 | 1715 | 1860 | 1860 |
| | H | mm | 878 | 1098 | 1298 | 1498 | 1698 | 1900 | 2100 |
| | I | mm | 123 | 123 | 123 | 142 | 172 | 179 | 179 |
| | J | mm | 200 | 260 | 350 | 400 | 450 | 500 | 600 |
| | K | mm | 200 | 300 | 320 | 400 | 450 | 500 | 600 |
| | L | mm | 200 | 260 | 350 | 400 | 450 | 500 | 500 |
| | M | mm | 155 | 155 | 155 | 156 | 176 | 221 | 221 |
| | N | mm | 157 | 157 | 157 | 157 | 167 | 167 | 167 |
| | O | mm | 122 | 122 | 122 | 122 | 122 | 120 | 120 |
| | P | mm | 846 | 1066 | 1266 | 1467 | 1667 | 1867 | 2067 |
| | Q | mm | 134 | 134 | 134 | 134 | 144 | 144 | 144 |
| | S | mm | 80 | 80 | 80 | 80 | 70 | 70 | 70 |
| V | mm | 450 | 443 | 435 | 500 | 550 | 587 | 580 | |
| W | mm | 905 | 905 | 905 | 1055 | 1200 | 1315 | 1315 | |
| Central Heating Outlet | T1 | | DN 50 | DN 50 | DN 50 | DN 65 | DN 80 | DN 100 | DN 100 |
| High temperature CH Inlet | T2 | | DN 40 | DN 40 | DN 40 | DN 40 | DN 50 | DN 65 | DN 65 |
| Low temperature CH Inlet | T3 | | DN 50 | DN 50 | DN 50 | DN 65 | DN 80 | DN 100 | DN 100 |
| Safety connection | T4 | | DN 40 | DN 40 | DN 40 | DN 40 | DN 50 | DN 65 | DN 65 |
| Boiler drain | T5 | | 1" | 1" | 1" | 1" | 1" | 1" | 1" |
| Flue Outlet | T6 | ØE mm | 160 | 160 | 160 | 200 | 250 | 300 | 300 |

RECOMMENDED COUPLING TP3 COND WITH LAMBORGHINI CALOR BURNER

| FERROLI | | LAMBORGHINI CALOR | | | | | |
|--------------|-----------|----------------------|-----------|----------|---------------------------|-----------------------|----------|
| BOILER | | OIL BURNER | | | GAS BURNER | | |
| MODEL | CODE | MODEL | TYPE | CODE | MODEL | TYPE | CODE |
| TP3 COND 65 | ORGZ3AXA | ECO 8 | One stage | 00870013 | EM 9-E.D2 | One stage | 00860301 |
| | | ECO 7/2 | Two stage | 00840381 | EM 9-E.D3 | One stage | 00860311 |
| | | | | | EM 9/2-E.D3 | Two stage | 00860322 |
| TP3 COND 100 | ORGZ4AXA | ECO 10/L | One stage | 00845650 | EM 12/L-E.D3 | One stage | 00873030 |
| | | | | | EM 12/L-E.D6 | One stage | 00873020 |
| | | | | | EM 16/2-E.D4 | Two stage | 00860421 |
| | | | | | EM 16/2-E.D6 | Two stage | 00860431 |
| | | | | | EM 16/M-E.D4 | Two stage progressive | 00872210 |
| TP3 COND 150 | ORGZ5AXA | ECO 22 | One stage | 00840602 | EM 26/2-E.D4 | Two stage | 00860551 |
| | | | | | EM 26/2-E.D6 | Two stage | 00860531 |
| | | ECO 22/2 | Two stage | 00840654 | EM 26/M-E.D4 | Two stage progressive | 00860581 |
| | | | | | EM 26/M-E.D5 | Two stage progressive | 00860591 |
| | | | | | EM 26/M-E.D7 | Two stage progressive | 00860571 |
| TP3 COND 230 | ORGZ8AXA | ECO 22 | One stage | 00840602 | EM 40/2-E.D4 | Two stage | 00870262 |
| | | | | | EM 40/2-E.D7 | Two stage | 00870252 |
| | | ECO 22/2 | Two stage | 00840654 | EM 40/M-E.D4 | Two stage progressive | 00870302 |
| | | | | | EM 40/M-E.D5 | Two stage progressive | 00870312 |
| | | | | | EM 40/M-E.D7 | Two stage progressive | 00870292 |
| EM 40/2-E.D4 | Two stage | 00870262 | | | | | |
| TP3 COND 370 | ORGZBAXA | ECO 40/2 | Two stage | 00870171 | LMB G 450-K1 (VCV-L225) | Two stage progressive | 00873810 |
| TP3 COND 500 | ORGZDAXA | LMB LO 700 BL | Two stage | 00845881 | LMB G 700 (BL) (K1"1/2) | Two stage progressive | 00873541 |
| | | | | | LMB G 700-K1 (VCV-L125) | Two stage progressive | 00873531 |
| TP3 COND 650 | ORGZGAXA | LMB LO 1000 (2ST-BL) | Two stage | 00845301 | LMB G 1000 (BL) (K2") | Two stage progressive | 00872591 |
| | | | | | LMB G 1000 (BL) (S1 1/2") | Two stage progressive | 00872690 |

It's possible to find every other information about the burners (technical features, configuration, kits...) on Lamborghini Calor technical and commercial documentations