



DUAL FUEL BURNER _ GAS/LIGHT OIL SERIE K

2 stages from 406 up to 1508 kW



Dual fuel light oil/gas burners, double stage, aluminium frame, fan at high pressurisation, combustion head with adjustment at high efficiency and high flame stability.

Available in the versions Methane (natural gas) or G.P.L. (to specify at the order) on demand specific versions for town gas, coal gas or biogas.

Disposition rationalized of the components with accessibility facilitated for the operations of setting and maintenance.

Gas train complete of working valve double stage with flow adjustment, safety valve, gas pressure switch, filter stabiliser of gas pressure, completely assembled, electrically linked and tested.

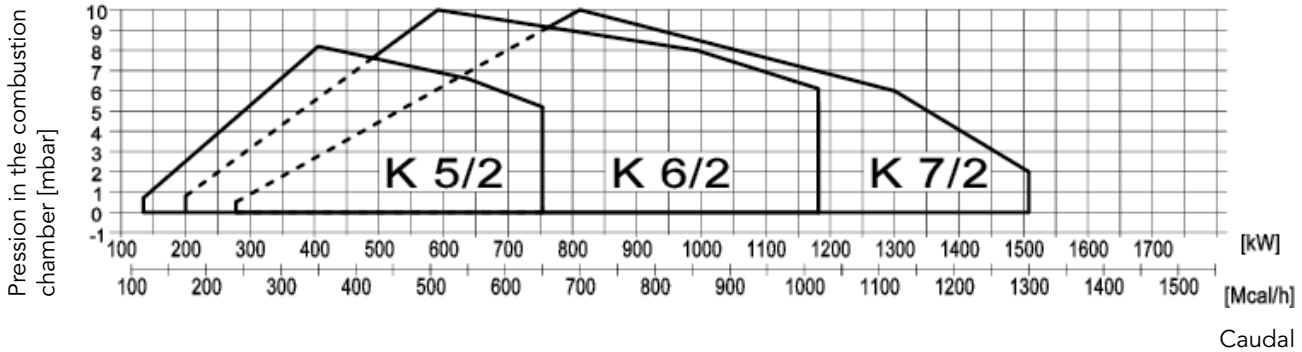
TECHNICAL DATA

| MODEL | | K 5/2 | K 6/2 | K 7/2 |
|---|--|----------------|---------------|----------------|
| Thermal power min-max* | Mcal/h | 116/350-650 | 172/500-1000 | 240/700-1300 |
| | kW | 135/406-754 | 200/581-1162 | 279/812-1508 |
| Flow-rate G20 (NATURAL GAS) min-max* | Nm ³ /h | 13.5/41-76 | 20/58.4-117 | 28/81.7-152 |
| Flow-rate G31 (LPG) min-max* | Nm ³ /h | 5.28/15.7-29.3 | 7.8/22.6-45.2 | 10.8/31.6-58.6 |
| Fuel | NATURAL GAS (second family) - LPG (third family) | | | |
| Combustible category | 2R 2H 2L 2E 2E+ 2Er 2ELL 2E(R)B 38/P 3+ 3P 38 3R | | | |
| Intermittent operation (min. 1 stop every 24 hours) at 2 stages | | | | |
| Allowed environment conditions on running/stock | -15..+40°C/-20...+70°C, rel. humidity max 80% | | | |
| Max temperature combustion air | °C | 60 | 60 | 60 |
| Min. pressure gas train D1"1/2-FS50 NATURAL GAS/LPG** | mbar | 23/37 | - | - |
| Min. pressure gas train D2"-FS50 NATURAL GAS/LPG** | mbar | 20/35 | 37/20 | 59-45 |
| Min. pressure gas train DN65-FS65 NATURAL GAS/LPG* | mbar | - | 19/14 | 34/34 |
| Min. pressure gas train DN80-FS80 NATURAL GAS/LPG** | mbar | - | 15/12 | 27/- |
| LIGHT-OIL flow-rate min-max* | kg/h | 11.6/35-65 | 17.2/50-100 | 24/70-130 |
| Fuel | LIGHT-OIL 1.5° E a 20°C = 6.2 cSt = 35 sec Redwood N°1 | | | |
| Nominal electric power | kW | 1.5 | 3.4 | 3.8 |
| Fan motor | kW | 1.1 | 3 | 3 |
| Motor pump | kW | 0.37 | 0.37 | 0.74 |
| Power supply | 3~400V,1/N~230V-50Hz | | | |
| Degree of electric protection | | IP40 | IP40 | IP40 |
| Burner weight | kg | 62 | 95 | 101 |

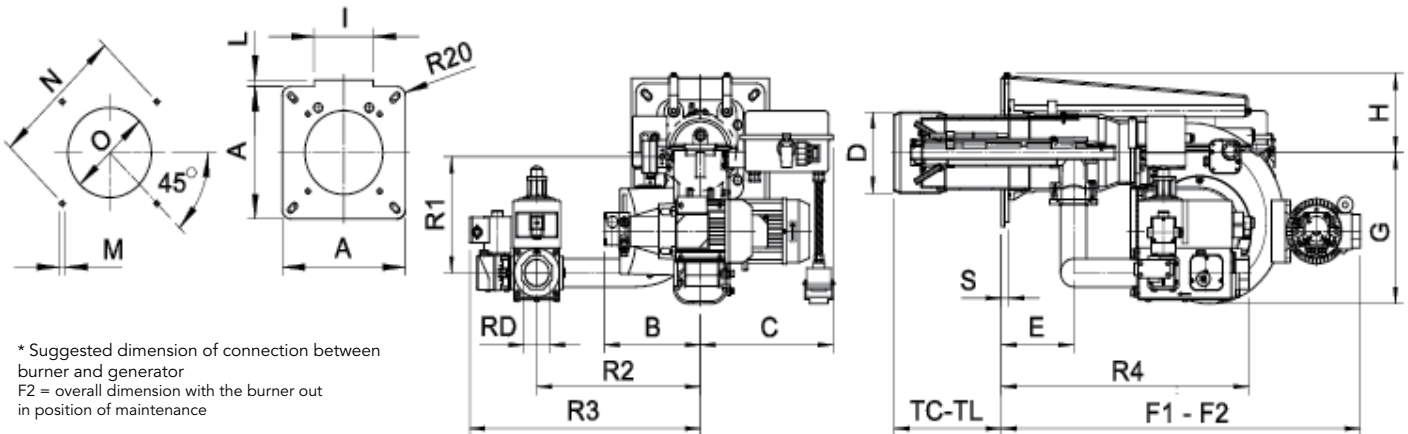
* Reference conditions: Room temperature 20°C - Atmospheric pressure 1013 mbars - Altitude 0n (sea level)

** Least pressure of feeding of the gas to the train to get the maximum power of the burner considering against pressure in chamber of value combustion 0 (zero)

FIRING RATES: Thermal power - Pressure in combustion chamber



DIMENSIONS (mm)



* Suggested dimension of connection between burner and generator
 F2 = overall dimension with the burner out in position of maintenance

| MODEL | A | B | C | D | E | F1 | F2 | G | H | I | L | M | N min | N max | O min | O * | O max |
|------------------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-------|-------|-------|-----|-------|
| K 5/2 - D1" 1/2 - FS40 | 300 | 236 | 365 | 175 | 168 | 840 | 1280 | 327 | 171 | 144 | 10 | M12 | 310 | 368 | 185 | 185 | 250 |
| K 5/2 - D2" - FS50 | 300 | 236 | 365 | 175 | 168 | 840 | 1280 | 327 | 171 | 144 | 10 | M12 | 310 | 368 | 185 | 185 | 250 |
| K 6/2 - D2" - FS50 | 320 | 238 | 393 | 210 | 193 | 980 | 1560 | 438 | 213 | 183 | 40 | M14 | 340 | 368 | 220 | 220 | 250 |
| K 6/2 - DN65 - FS65 | 320 | 238 | 393 | 210 | 193 | 980 | 1560 | 438 | 213 | 183 | 40 | M14 | 340 | 368 | 220 | 220 | 250 |
| K 6/2 - DN80-FS80 | 320 | 238 | 393 | 210 | 193 | 980 | 1560 | 438 | 213 | 183 | 40 | M14 | 340 | 368 | 220 | 220 | 250 |
| K 7/2 - D2" - FS50 | 320 | 238 | 393 | 210 | 193 | 980 | 1560 | 438 | 213 | 183 | 40 | M14 | 340 | 368 | 220 | 220 | 250 |
| K 7/2 - DN65 - FS65 | 320 | 238 | 393 | 210 | 193 | 980 | 1560 | 438 | 213 | 183 | 40 | M14 | 340 | 368 | 220 | 220 | 250 |
| K 7/2 - DN80 - FS80 | 320 | 238 | 393 | 210 | 193 | 980 | 1560 | 438 | 213 | 183 | 40 | M14 | 340 | 368 | 220 | 220 | 250 |

| MODEL | TC | TL | S | R1 | R2 | R3 | R4 | RD | Gas train weight |
|------------------------|-----|-----|----|-----|-----|-----|-----|--------|------------------|
| K 5/2 - D1" 1/2 - FS40 | 250 | 315 | 18 | 260 | 380 | 536 | 576 | 1" 1/2 | 23 kg |
| K 5/2 - D2" - FS50 | 250 | 315 | 18 | 260 | 380 | 536 | 576 | 2" | 23 kg |
| K 6/2 - D2" - FS50 | 280 | 400 | 23 | 283 | 380 | 552 | 615 | 2" | 25 kg |
| K 6/2 - DN65 - FS65 | 280 | 400 | 23 | 228 | 340 | 495 | 585 | DN65 | 50 kg |
| K 6/2 - DN80-FS80 | 280 | 400 | 23 | 228 | 420 | 590 | 605 | DN80 | 60 kg |
| K 7/2 - D2" - FS50 | 280 | 400 | 23 | 283 | 380 | 552 | 615 | 2" | 25 kg |
| K 7/2 - DN65 - FS65 | 280 | 400 | 23 | 228 | 340 | 495 | 585 | DN65 | 50 kg |
| K 7/2 - DN80 - FS80 | 280 | 400 | 23 | 228 | 420 | 590 | 605 | DN80 | 60 kg |