



# DUAL FUEL BURNER \_ GAS/LIGHT OIL SERIE K

Progressive and modulating from 581 up to 1508 kW

Dual fuel burners for gas and light oil at 2 stages progressive (hi-low flame) or PID fully modulating if optional modulation kit (digital type) and feeder (of temperature or pressure) are added.

Fan at high pressurization, high efficiency combustion head with adjustment and high flame stability. Available versions for natural gas or LPG (to be specified at the order).

Gas train includes working valve, safety valve, minimum gas pressure switch, gas pressure filter-stabilizer and is supplied already assembled, connected and tested.

The adoption of strong metal components makes the burner durable also in heavy duty conditions.

Burners are supplied with nozzle, fuel switch, gasket for installation on boiler, flexible hoses, line filter.

## TECHNICAL DATA

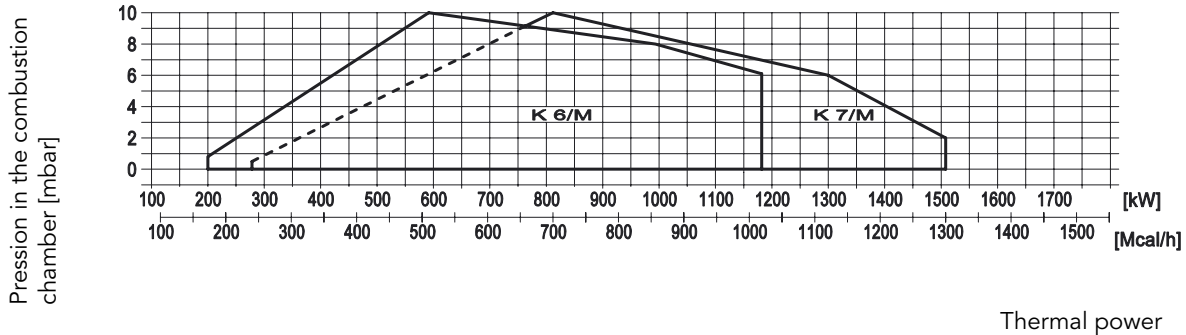
MODEL		K 6/M	K 7/M
Thermal power min-max*	Mcal/h	172/500-1000	240/700-1300
	kW	200/581-1162	279/812-1508
Flow-rate G20 (NATURAL GAS) min-max*	Nm <sup>3</sup> /h	20/58,4-117	28/81,7-152
Flow-rate G31 (LPG) min-max*	Nm <sup>3</sup> /h	7,8/22,6-45,2	18,8/31,6-58,6
Nominal pressure G20 (NATURAL GAS)	mbar	20	20
Fuel	NATURAL GAS (second family) - LPG (third family)		
Combustible category	2R 2H 2L 2E+ 2Er 2ELL 2E(R)B 38/P 3+ 3P 38 3R		
Intermittent operation (min. 1 stop every 24 hours) at 2 stages progressive or modulating			
Allowed environment conditions on running/stock	-15..+40°C/-20...+70°C, rel. humidity max 80%		
Max temperature combustion air	°C	60	60
Min. pressure gas train D2"-FS50 NATURAL GAS/LPG**	mbar	33/31	33/38
Min. pressure gas train DN65-FS65 NATURAL GAS/LPG*	mbar	22/28	33/38
Min. pressure gas train DN80-FS80 NATURAL GAS/LPG**	mbar	-	23/35
Max pressure on the valve's inlet	mbar	200	200
LIGHT-OIL flow-rate min-max*	kg/h	17/50-100	24/70-130
Fuel	LIGHT-OIL 1.5° E a 20°C = 6.2 cSt = 35 sec Redwood N°1		
Nominal electric power	kW	3,7	4,35
Motor fan	kW	2,2	3
Motor pump	kW	750	750
Power absorbed	A	6,8	7,5
Auxiliary power absorbed	A	0,55	0,55
Power supply	3~400V,1/N~230V-50Hz		
Degree of electric protection		IP44	IP44
Noisiness***min-max	dB(A)	81-82	83-84
Weight	kg	113	129

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

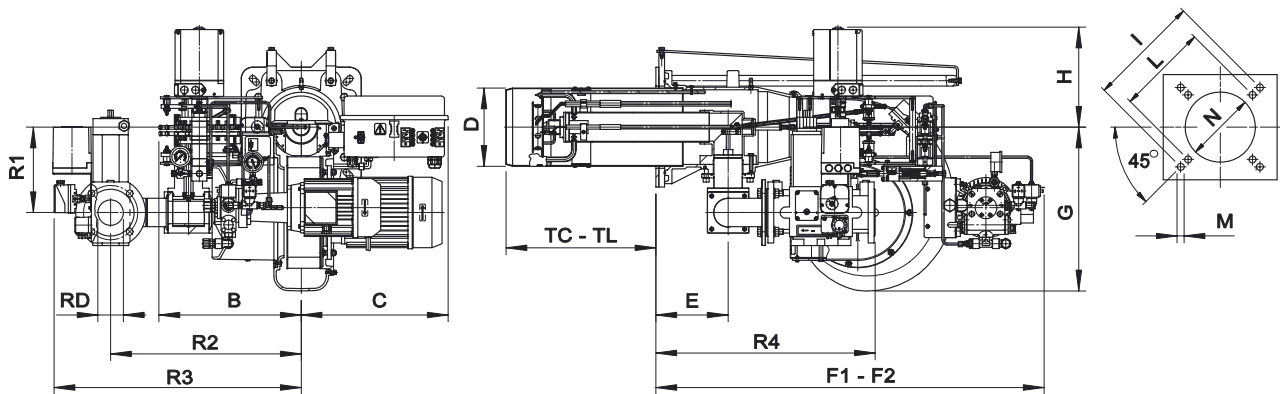
\*\* Least pressure of feeding of the gas to the train to get the maximum power of the burner considering against pressure in chamber of valve combustion 0 (zero)

\*\*\* Measured sonorous pressure in the laboratory combustion, with functional burner on beta boiler to 1 m of distance (UNI EN ISO 3746 law)

### FIRING RATES: Thermal power - Pressure in combustion chamber



### DIMENSIONS (mm)



\* F2 = overall dimension with the burner out in position of maintenance

MODEL	B	C	D	E	F1	F2	G	H	I	L	M	N	TC	TL	R1	R2	R3	R4	RD	Gas train weight
K 6/M - D2" - FS50	380	393	209	193	1037	1617	438	267	368	340	M14	220	280	400	228	510	673	552	2"	22 kg
K 6/M - DN65 - FS65	380	393	209	193	1037	1617	438	267	368	340	M14	220	280	400	228	510	665	586	DN65	27 kg
K 6/M - DN80 - FS80	380	393	209	193	1037	1617	438	267	368	340	M14	220	280	400	228	550	720	626	DN80	37 kg
K 7/M - D2" - FS50	380	393	209	193	1037	1617	438	267	368	340	M14	220	280	400	228	510	673	552	2"	22 kg
K 7/M - DN65 - FS65	380	393	209	193	1037	1617	438	267	368	340	M14	220	280	400	228	510	665	586	DN65	27 kg
K 7/M - DN80 - FS80	380	393	209	193	1037	1617	438	267	368	340	M14	220	280	400	228	550	720	626	DN80	37 kg