



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.

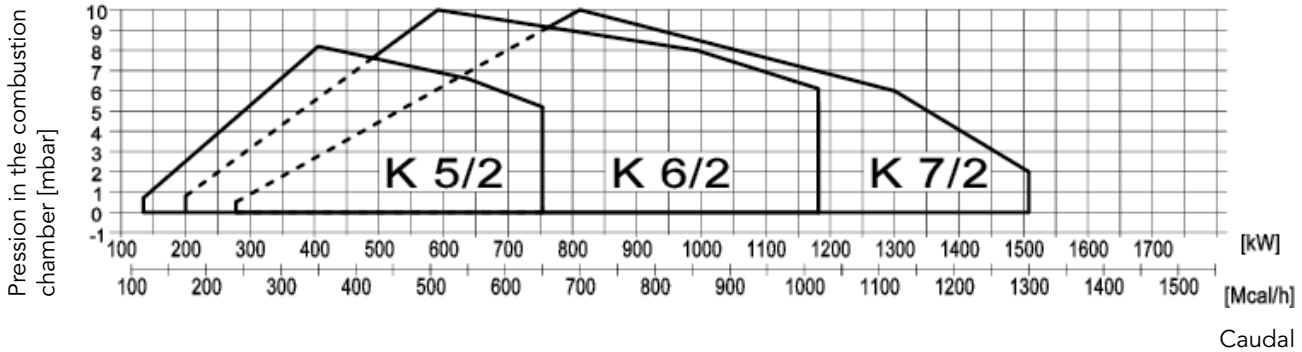
TECHNICAL DATA

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

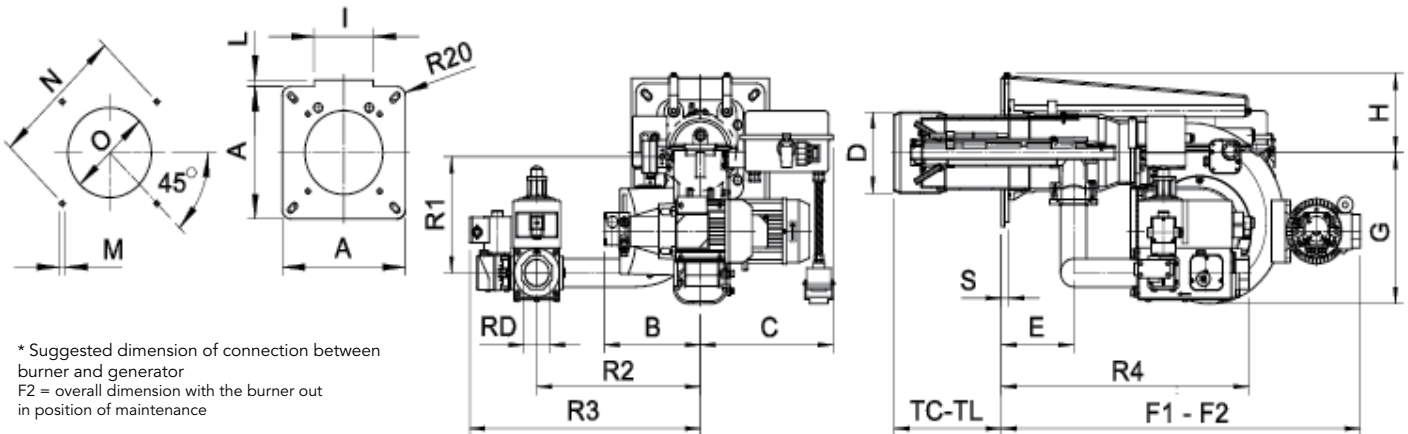
* Reference conditions: Room temperature 20°C - Atmospheric pressure 1013 mbars - Altitude 0n (sea level)

** 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

Le illustrazioni e i dati riportati sono indicativi. F.B.R. Bruciatori S.r.l. si riserva il diritto di apportare, senza obbligo di preavviso, tutte le modifiche opportune, per l'evoluzione dei propri prodotti.
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