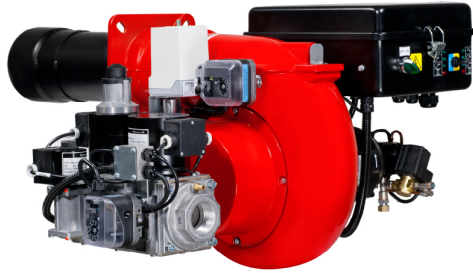




K 3/2 _ K 4/2

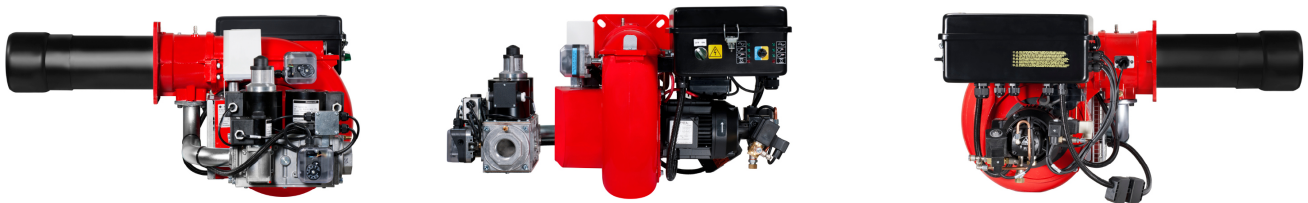


Dual fuel light oil/gas burners, double stage, aluminium frame, fan at high pressurisation, combustion head with adjustment at high efficiency and high flame stability.

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 3/2	K 4/2
Thermal power 1°st./min 2°st.-max 2°st. *	[Mcal/h]	55/100-200	100/200-450
Thermal power 1°st./min 2°st.-max 2°st. *	[kW]	63.8/116-232	116/232-522
Gas flow G20 (natural gas) 1°st./min 2°st.-max 2°st. *	[Nm3/h]	6.4/11.7-23.4	11.7/23.4-52.6
Gas flow G31 (L.G.P.) 1°st./min 2°st.-max 2°st. *	[Nm3/h]	2.5/4.5-9	4.5/9-20.3
Fuel		Natural gas (second family) - L.P.G. (third family)	
Fuel category		2R' 2H' 2L' 2E' 2E+ 2Er' 2ELL' 2E(R)B 3B/P' 3+ 3P' 38' 3R	
Intermittent working operation (min. 1 stop every 24 hours) 2 stages			
Environmental conditions operation / storage		-15...+40°C / -20...+70°C , rel. humidity max. 80%	
Max temperature combustion air	[°C]	60	60
Minimum gas train pressure (D1"- S natural gas/L.P.G.) **	[mbar]	19/29	41/-
Minimum gas train pressure (D1"1/2 FS40 natural gas/L.P.G.) **	[mbar]	-	27/-
Minimum gas train pressure (D1"1/2 FS40 natural gas/L.P.G.) **	[mbar]	-	16/-
Maximum supply gas pressure (Pe.max)	[mbar]	360	360
Light oil flow rate 1°st./min 2°st.-max 2°st.*	[kg/h]	5.5/10-20	10/20-45
Fuel		Light oil 1.5°E to 20°C = 6.2cSt = 35sec Redwood N°1	
Nominal electric power	[W]	400	770
Fan motor	[W]	370	740
Power absorbed	[A]	2.1	1.7
Auxiliary power absorbed	[A]	0.7	0.7
Power supply		1/N~230V-50Hz	3~400V-1/N~230V-50Hz
Electric protection degree		IP40	IP40
Noisiness *** max	[dB(A)]	68-70	73-76
Burner weight	[kg]	38	40

* Reference conditions: Environment temperature 20°C - Barometric pressure 1013 mbars - Altitude 0 metre (sea level). ** Minimal feeding-gas pressure to the gas train to get the maximum power of the burner, considering counter-pressure in combustion chamber of value 0 (zero). *** Measured sonorous pressure in the laboratory combustion, with functional burner on beta boiler to 1 metre of distance (UNI EN ISO 3746 law).

FIRING RATES

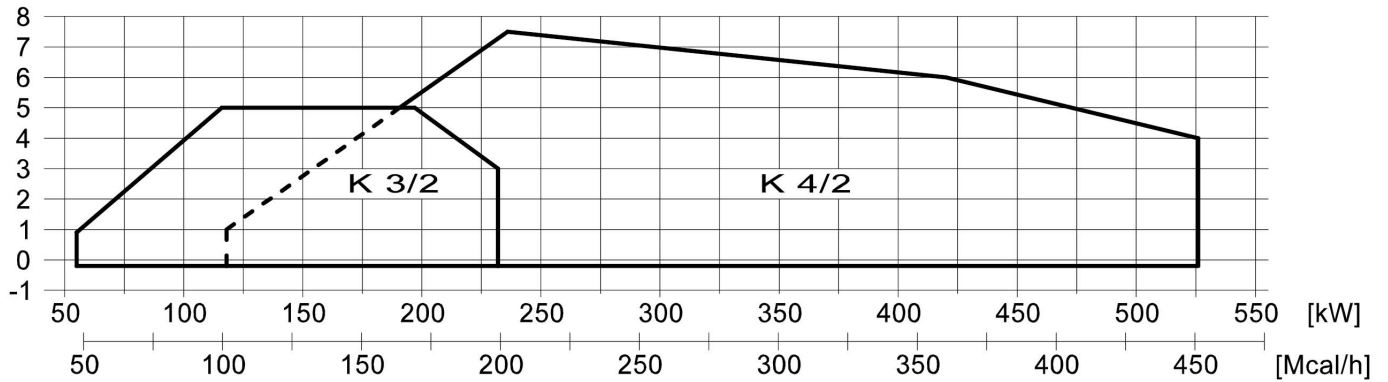
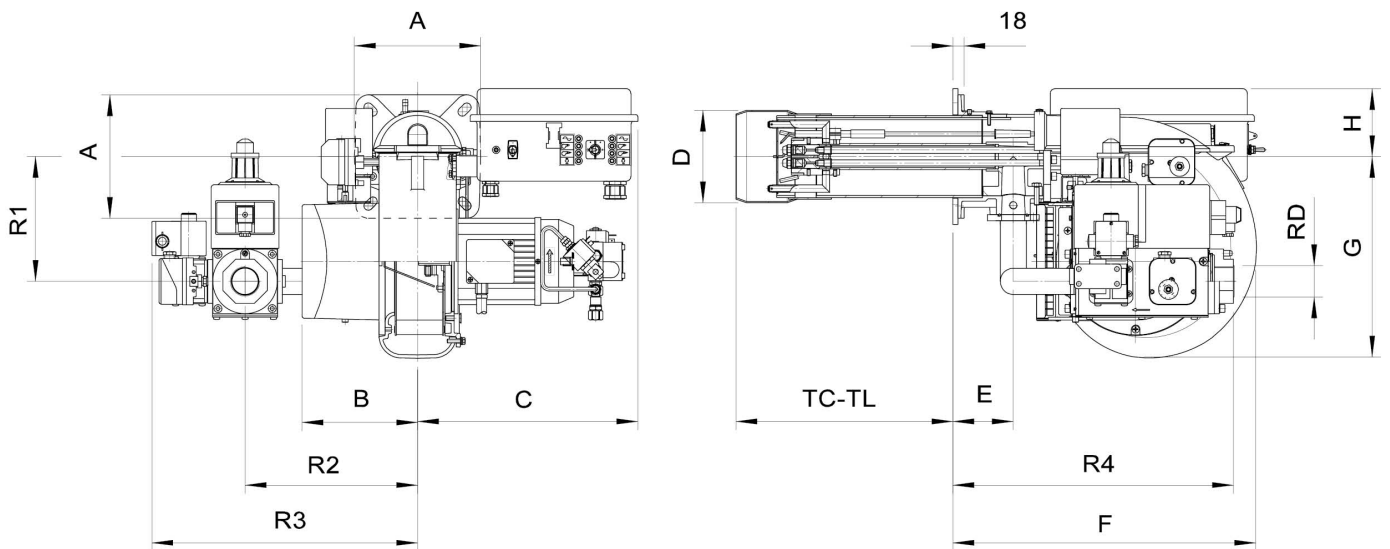


Fig. 1 X = Thermal power [kg/h - Mcal/h] Y = Pression in the combustion

The firing rates has been obtained based on test boilers in accordance with EN267 standards and are indicative of matching the burner to the boiler. For the correct operation of the burner bruciatore, combustion chamber dimensions must be in accordance with current regulation. In case of non-compliance, contact the manufacturer.

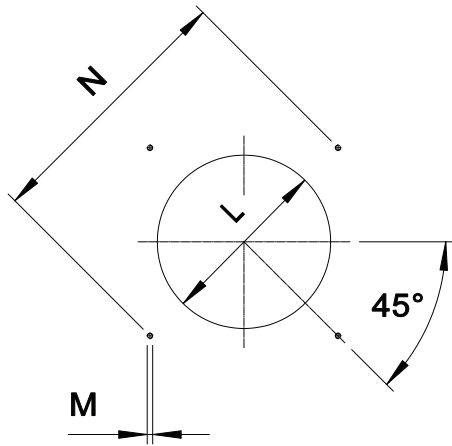
DIMENSIONS [MM]



MODEL	A	B	C	D	E	F	G	H	TC	TL
K 3/2-D1"- S	200	188	358	138	98	493	327	110	250	350
K 4/2-D1"- S	200	188	358	150	98	493	327	110	250	350
K 4/2-D1"1/2-FS40	200	188	358	150	98	493	327	110	250	350
K 4/2-D1"1/2-FS50	200	188	358	150	98	493	327	110	250	350

MODEL	R1	R2	R3	R4	RD	Gas train weight
K 3/2-D1"- S	171	280	411	354	1"	10 kg
K 4/2-D1"- S	171	280	411	354	1"	10 kg
K 4/2-D1"1/2-FS40	203	280	432	456	1"1/2	17 kg
K 4/2-D1"1/2-FS50	203	280	432	456	1"1/2	19 kg

BOILER PLATE



The dimensions of the boiler plate must be as indicated in the drawing.

MODEL		M	N min	N max	L min	L*	Lmax
K 3/2	mm	M10	205	226	150	150	180
K 4/2	mm	M10	205	226	160	160	180

* Suggested dimension

The illustrations and data here shown are indicative. F.B.R. Bruciatori S.r.l. reserves the right to bring, without any obligation of warning, any changes that would be appropriate to the continuing development of their products.