

**RG1025**  
**RG1030**  
**RG1040**

# **Light oil burners**

**MANUAL OF INSTALLATION - USE - MAINTENANCE**

***CIB UNIGAS***

**BURNERS - BRUCIATORI - BRULERS - BRENNER - QUEMADORES - ГОРЕЛКИ**

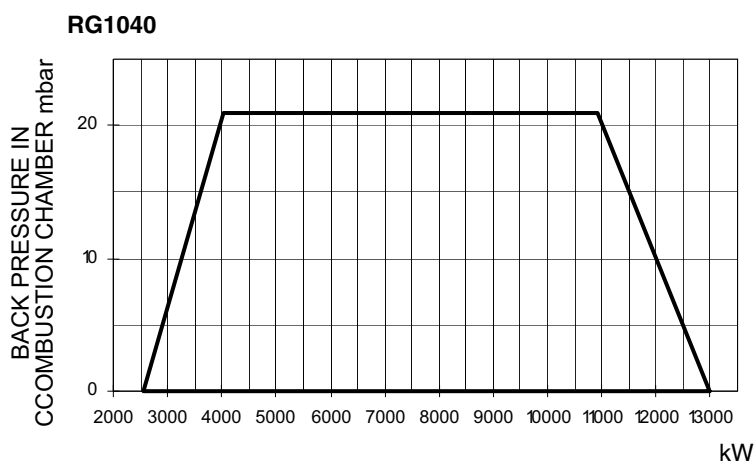
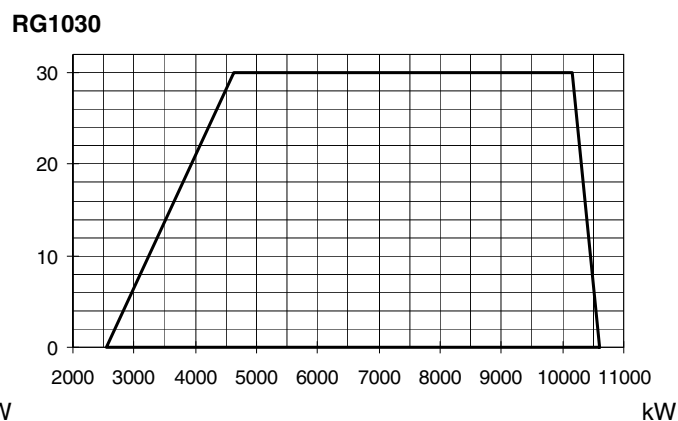
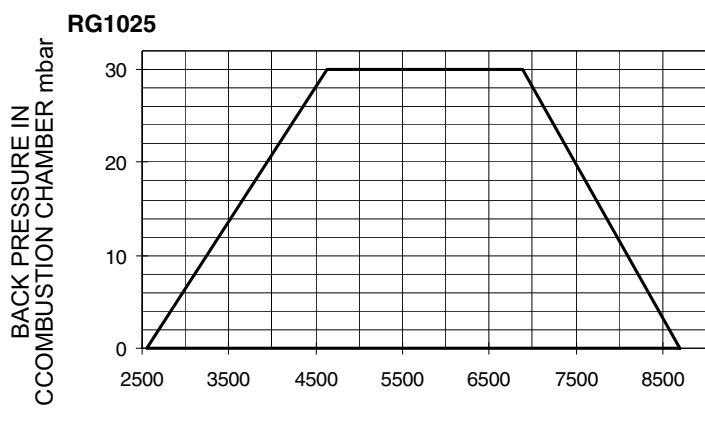
**Specifications**

BURNERS		RG1025	RG1030	RG1040
Output	min. - max. kW	2550 - 8700	2550 - 10600	2550 - 13000
Light oil rate	min. - max. kg/h	215 - 733	215 - 893	215 - 1095
Fuel		Light oil		
Viscosity		2 - 7.4 cSt @ 40°C		
Density		840 kg/m <sup>3</sup>		
Power supply		400V 3N ~ 50Hz		
Electric motor	kW	18.5	22	30
Pump motor	kW	4	4	5.5
Total power consumption	kW	22	26.5	36
Approx. weight	kg	440	470	500
Operation		Progressive - Fully modulating		
Operating temperature	°C	-10 ÷ +50		
Storage Temperature	°C	-20 ÷ +60		
Working service*		Intermittent		

**NOTE:** Choosing the nozzle for light oil, consider Hi equal to 42.7 MJ/kg.

**\*NOTE ON THE BURNER WORKING SERVICE:** for safety reasons, one controlled shutdown must be performed after 24 hours of continuous operation.

**Performance curves**

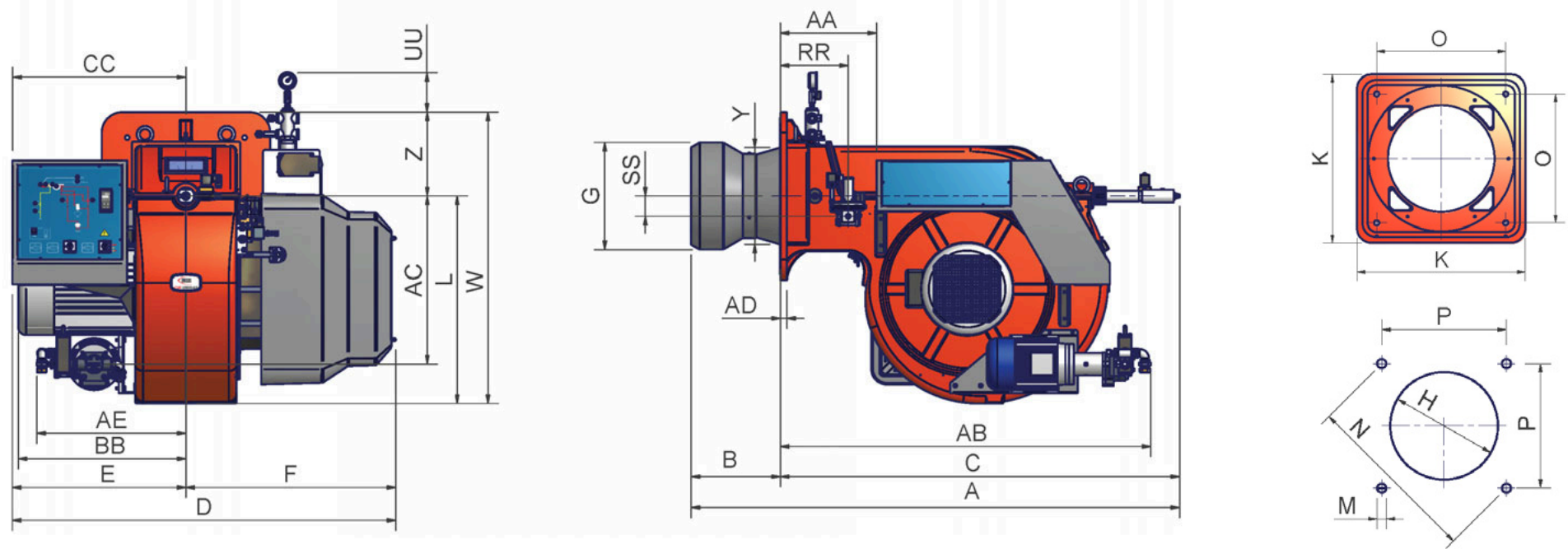


To get the input in kcal/h, multiply value in kW by 860.

Data are referred to standard conditions: atmospheric pressure at 1013mbar, ambient temperature at 15°C

**NOTE:** The performance curve is a diagram that represents the burner performance in the type approval phase or in the laboratory tests, but does not represent the regulation range of the machine. On this diagram the maximum output point is usually reached by adjusting the combustion head to its "MAX" position (see paragraph "Adjusting the combustion head"); the minimum output point is reached setting the combustion burner head to its "MIN" position. During the first ignition, the combustion head is set in order to find a compromise between the burner output and the generator specifications, that is why the minimum output may be different from the Performance curve minimum.

**Overall dimensions (mm)**



Burners flange and boiler recommended drilling template

	A(S*)	A(L*)	AA	AB	AC	AD	AE	B(S*)	B(L*)	BB	C	CC	D	E	F	G	H	K	L	M	N	O	P	RR	SS	UU	W	Y	Z
<b>RG1025</b>	1896	2090	377	1452	651	25	585	350	544	641	1546	680	1502	680	822	370	410	660	816	M16	651	460	460	265	80	142	1146	379	330
<b>RG1030</b>	1914	2108	377	1452	651	25	585	350	544	657	1564	680	1502	680	822	422	472	660	816	M16	651	460	460	265	80	142	1146	379	330
<b>RG1040</b>	1961	2155	377	1452	651	25	585	386	580	657	1575	680	1502	680	822	671	731**	660	816	M16	651	460	460	265	80	142	1146	412	330

\* S: measure referred to burner provided with standard blast tube

\* L: measure referred to burner provided with extended blast tube

\*\* Fit a counterflange between burner and boiler