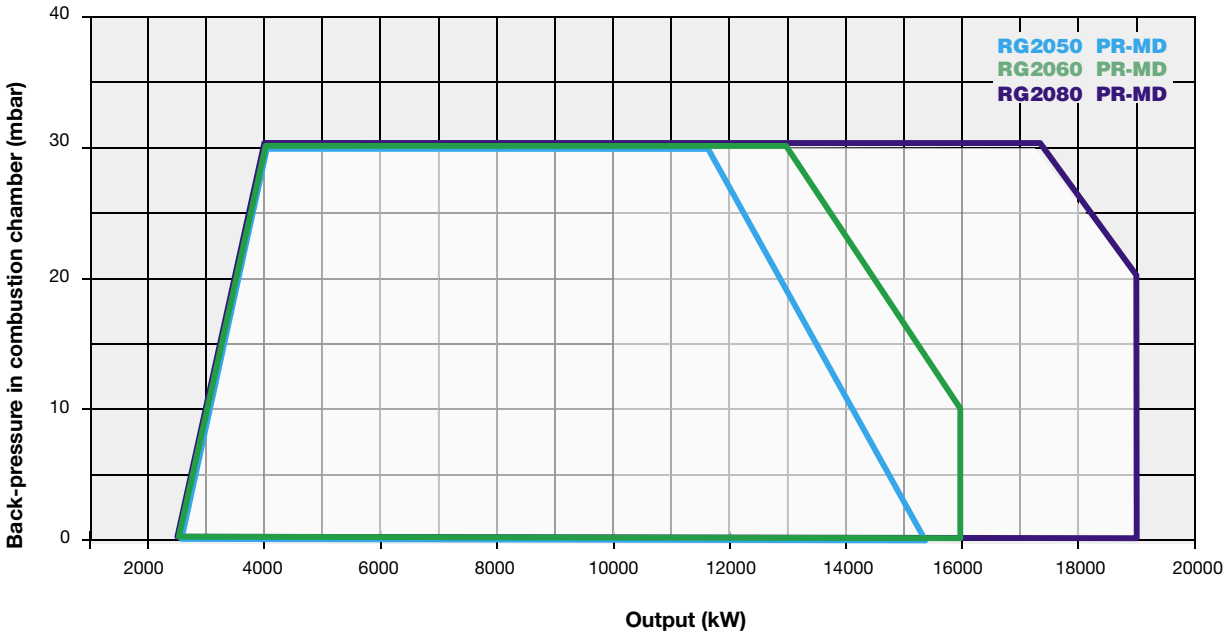
RG2050 RG2060 RG2080 duemila SERIES

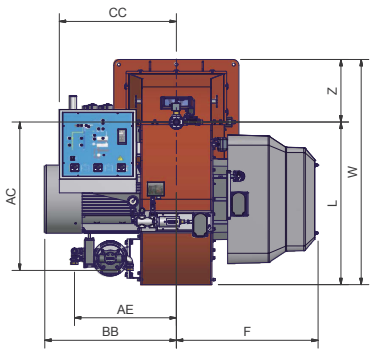
This series of monoblock burners made of a solid die-cast aluminium housing, represents the outcome of our experience in the field of medium-large capacity burners. This version of burners features a centrifugal air fan activated by a three phase motor, while the oil pump works through a dedicated motor.
The series DUEMILA has a capacity from 2.500 kW to 19.000 kW.
Both series are equipped with a by-passing nozzle that allows a modulating ratio of 1:3.
The light oil output can be adjusted through a pressure regulator which has effects on the return pipe line.
All burners have a control panel which includes the control box and the regulators of temperature and pressure. Furthermore they are equipped with a mimic diagram with lamps showing the sequential stages of the burner operation.

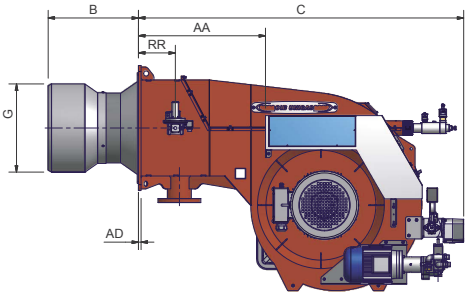


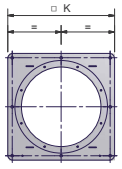


TECHNICAL DETAILS

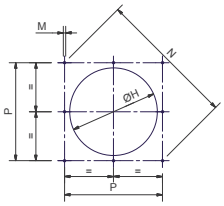
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Noise level
		min.	max.			kW	kW	dBA
RG2050	G-.xx.x.xx.A	2.500	15.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	37	5,5	92,5
RG2060	G-.xx.x.xx.A	2.500	16.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	45	5,5	91,7
RG2080	G-.xx.x.xx.A	2.500	19.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	55	5,5	91,7



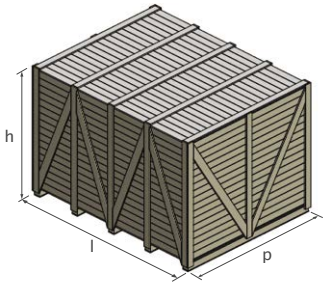




Burner flange



Suggested boiler drilling



Type	Packaging dimensions (mm)			
	l	p	h	kg
RG2050	2396	1886	1969	1290
RG2060	2396	1886	1969	1370
RG2080	2396	1886	1969	1470

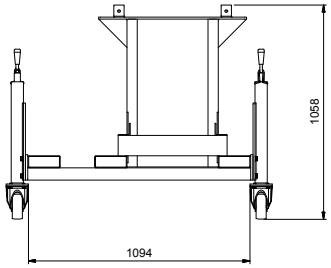
Approximate values

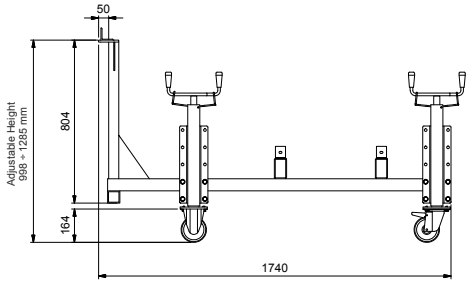
Type	Model	Overall dimensions (mm)																		
		AA	AC	AD	AE	B	BB	C	CC	F	G	H	K	L	M	N	P	RR	W	Z
RG2050	G-.xx.x.xx.A	741	866	15	595	*	768	1898	735	827	*	*	730	949	M16	948	670	215	1314	365
RG2060	G-.xx.x.xx.A	741	866	15	645	*	807	1890	735	846	*	*	850	949	M16	1117	790	215	1374	425
RG2080	G-.xx.x.xx.A	741	866	15	645	*	885	1890	735	846	*	*	850	949	M16	1117	790	215	1374	425

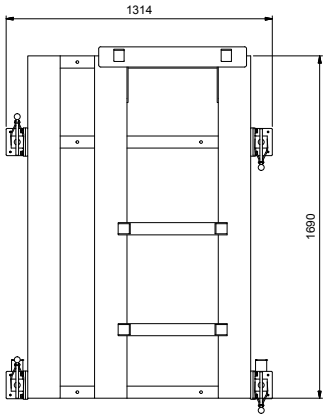
* The B, G, H dimensions must be confirmed from our technical DPT.
Approximate values

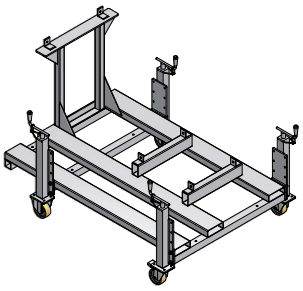
Monoblock burners 2000 series are supplied complete with a steel supporting frame; burner installation and manutention are greatly simplified.
The frame is equipped with wheels to easily move the burner, and its height is adjustable to match any type of boiler or furnace.

SUPPORTING FRAME FOR BURNERS 2050 SERIES

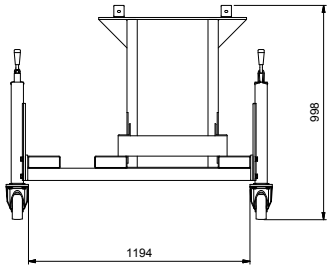


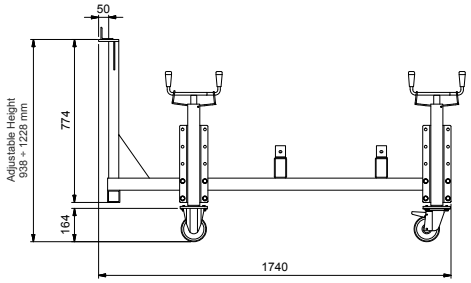


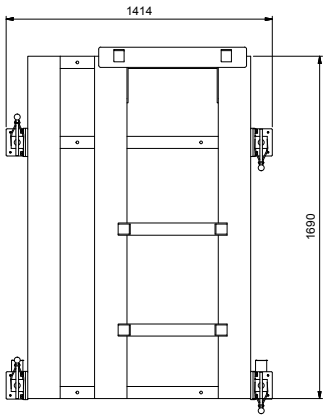


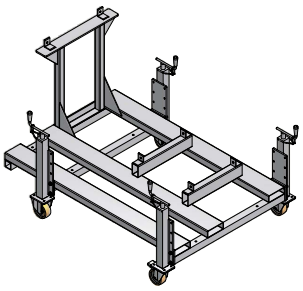


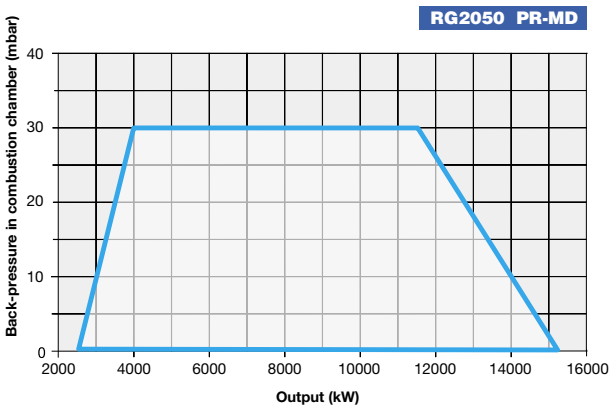
SUPPORTING FRAME FOR BURNERS 2060/2080 SERIES

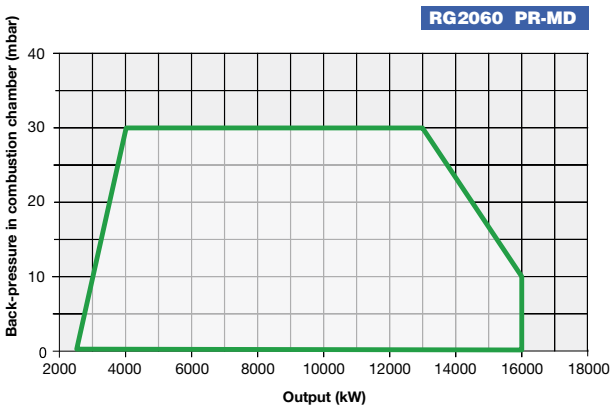


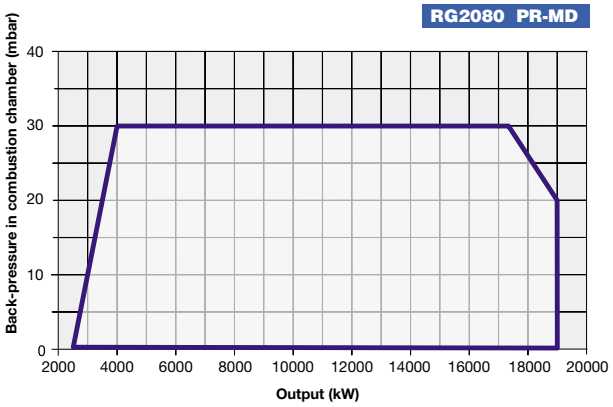







RG2050 PR-MD
Back-pressure in combustion chamber (mbar)
0
10
20
30
40
2000
4000
6000
8000
10000
12000
14000
16000
Output (kW)


RG2060 PR-MD
Back-pressure in combustion chamber (mbar)
0
10
20
30
40
2000
4000
6000
8000
10000
12000
14000
16000
18000
Output (kW)


RG2080 PR-MD
Back-pressure in combustion chamber (mbar)
0
10
20
30
40
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
Output (kW)