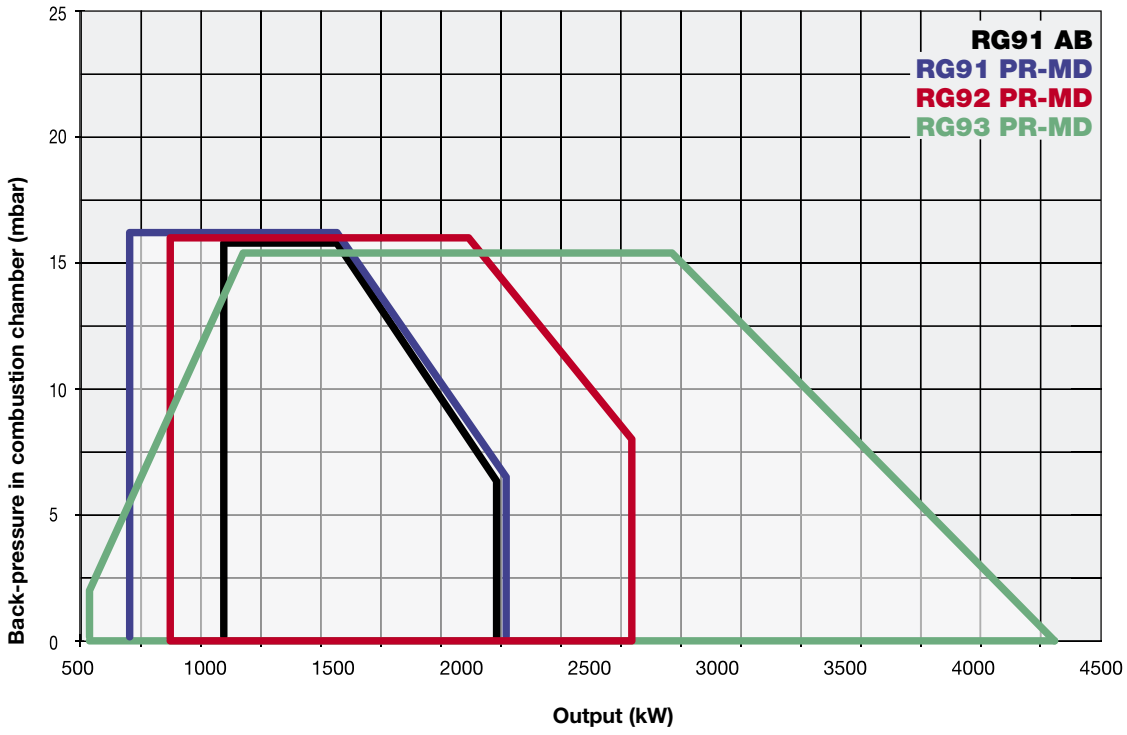
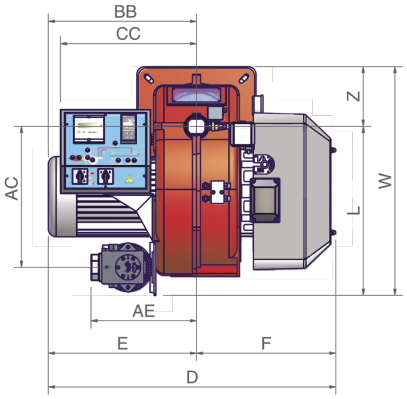
This series of monoblock burners made of a solid die-cast aluminium housing, represents the outcome of our experience in the field of medium-large capacity burners. This version of burners features a centrifugal air fan activated by a three phase motor, while the oil pump works through a dedicated motor.
The burners of series NOVANTA, have a capacity up to 4100 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 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.

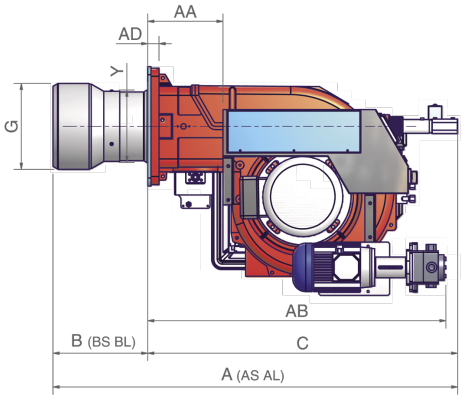


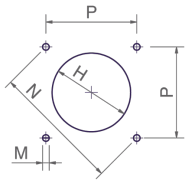


TECHNICAL DETAILS

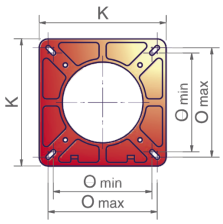
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Noise level
		min.	max.			kW	kW	dBA
RG91	G-.AB.x.xx.A	1.047	2.093	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4,0	1,1	74,5
RG91	G-.xx.x.xx.A	698	2.093	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4,0	1,1	74,5
RG92	G-.xx.x.xx.A	849	2.558	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	1,1	76,9
RG93	G-.xx.x.xx.A	550	4.100	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	1,1	77,4







Suggested boiler drilling



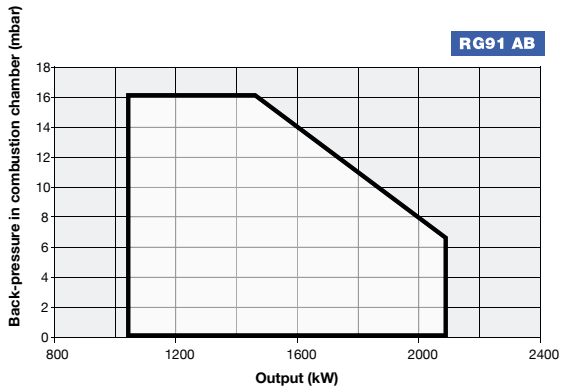
Burner flange

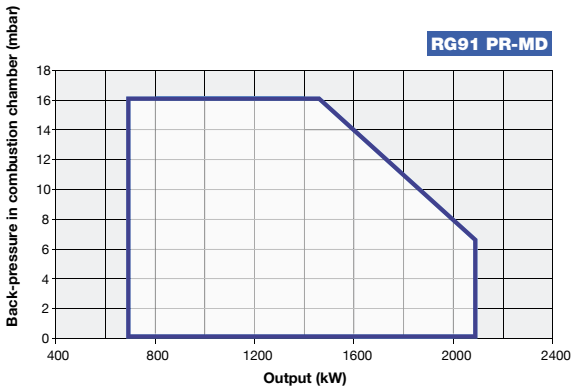
Type	Packaging dimensions (mm)			
	l	p	h	kg
RG91	1730	1280	1020	230
RG92	1730	1280	1020	270
RG93	1730	1430	1130	290

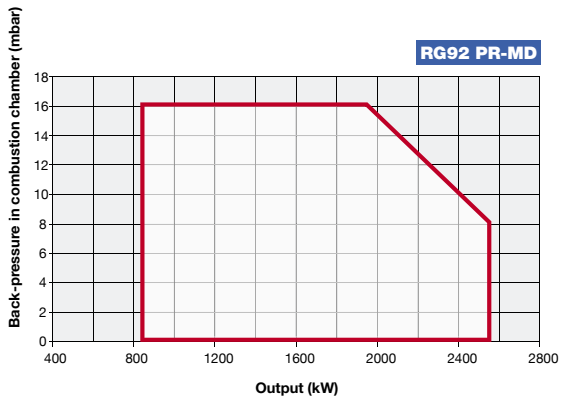
Approximate values

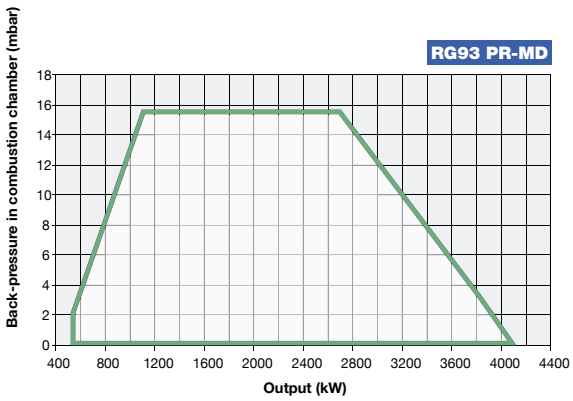
Type	Model	Overall dimensions (mm)																										
		AA	AS	AL	AB	AC	AD	AE	BB	BS	BL	C	CC	D	E	F	G	H	K	L	M	N	O		P	W	Y	Z
																							min.	max.				
RG91	G-.xx.x.xx.A	242	1259	1432	925	436	35	327	419	300	473	959	422	853	419	434	238	268	360	523	M12	424	280	310	300	708	228	185
RG92	G-.xx.x.xx.A	242	1253	1426	925	436	35	327	419	294	467	959	422	853	419	434	266	296	360	523	M12	424	280	310	300	708	228	185
RG93	G-.xx.x.xx.A	242	1260	1450	925	436	35	327	460	301	491	959	422	894	460	434	292	322	360	523	M12	424	280	310	300	708	228	185

Approximate values


RG91 AB
Back-pressure in combustion chamber (mbar)
0
2
4
6
8
10
12
14
16
18
800
1200
1600
2000
2400
Output (kW)


RG91 PR-MD
Back-pressure in combustion chamber (mbar)
0
2
4
6
8
10
12
14
16
18
400
800
1200
1600
2000
2400
Output (kW)


RG92 PR-MD
Back-pressure in combustion chamber (mbar)
0
2
4
6
8
10
12
14
16
18
400
800
1200
1600
2000
2400
2800
Output (kW)


RG93 PR-MD
Back-pressure in combustion chamber (mbar)
0
2
4
6
8
10
12
14
16
18
400
800
1200
1600
2000
2400
2800
3200
3600
4000
4400
Output (kW)