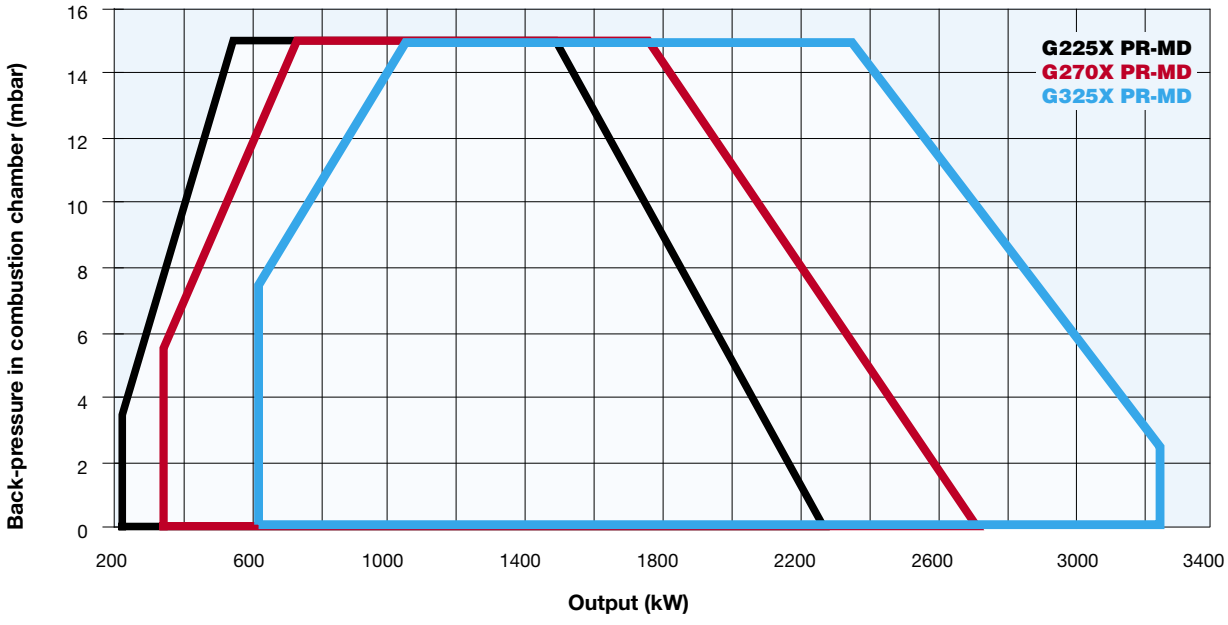
novanta SERIES G225X G270X G325X

NEW

CIB UNIGAS >60 <80 mg/kWh CLASS 3 Low NOx

GAS

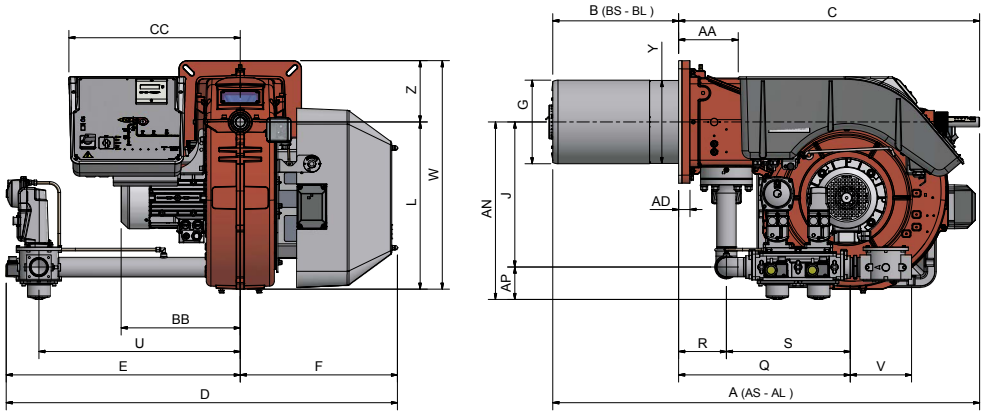
The new G type NOVANTA series **Low NO_x burners Class 3 (< 80 mg/kWh)** made in aluminum housing with a backward curved centrifugal impeller has been developed to meet the current and future requests regarding the low emissions of NO_x.
The innovation of the combustion head allows to achieve substantial improvements in terms of emissions reduction, flame stability and reliability.
The perfect mix of air/gas within the combustion head of these burners, guarantees a very uniform flame in all working conditions.

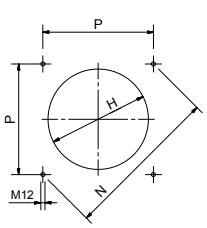


TECHNICAL DETAILS

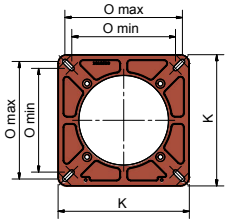
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Gas connections	Noise level
		min.	max.			kW	Rp	dBA
G225X	M-.xx.xR.xx.A.1.xxx	230	2.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	2" - DN65 - DN80 - DN100	< 85
G270X	M-.xx.xR.xx.A.1.xxx	340	2.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	2" - DN65 - DN80 - DN100	< 85
G325X	M-.xx.xR.xx.A.1.xxx	620	3.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	2" - DN65 - DN80 - DN100	< 85

For the configuration of the gas train, see page 112-113.





Suggested boiler drilling



Burner flange

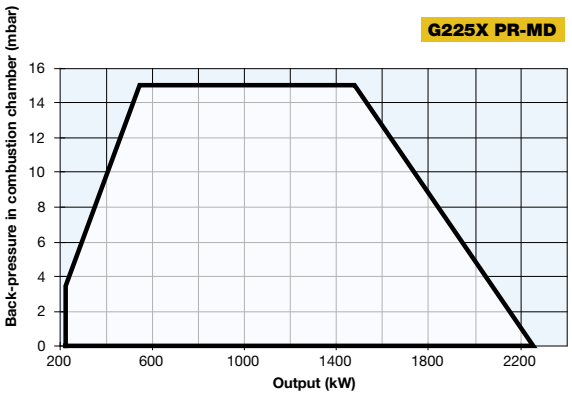
Type	Packaging dimensions (mm)			
	l	p	h	kg
G225X	1680	1250	1050	275
G270X	1680	1250	1050	275
G325X	1680	1250	1050	280

Approximate values (regarding model with gas train DN80)

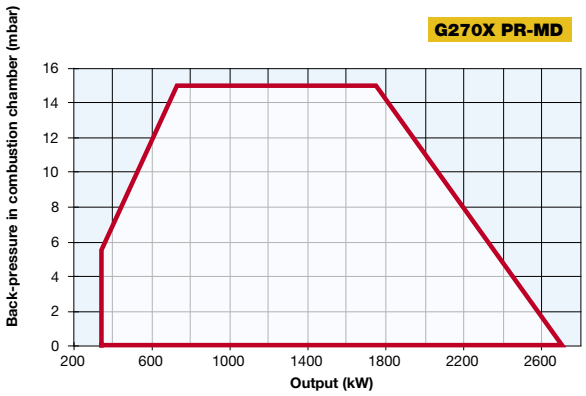
Type	Model	Overall dimensions (mm)																														
		AS	AL	AA	AD	AN	AP	BS	BL	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O min.	O max.	P	Q	R	S	U	V	W	Y	Z
G225X	M-.xx.SR.xx.A,1.50	1360	1460	181	35	550	100	380	480	395	980	509	1198	725	473	259	290	450	380	518	M12	453	300	340	320	533	149	384	624	190	708	257	190
G225X	M-.xx.SR.xx.A.1.65	1360	1460	181	35	564	117	380	480	395	980	509	1443	970	473	259	290	447	380	518	M12	453	300	340	320	636	149	487	845	292	708	257	190
G225X	M-.xx.SR.xx.A.1.80	1360	1460	181	35	579	132	380	480	395	980	509	1475	1002	473	259	290	447	380	518	M12	453	300	340	320	687	149	538	875	310	708	257	190
G225X	M-.xx.SR.xx.A.1.100	1360	1460	181	35	592	145	380	480	395	980	509	1558	1085	473	259	290	447	380	518	M12	453	300	340	320	791	149	642	942	353	708	257	190
G270X	M-.xx.SR.xx.A.1.50	1401	1501	181	35	550	100	380	480	395	1021	509	1251	725	526	259	290	450	380	518	M12	453	300	340	320	533	149	384	624	190	708	257	190
G270X	M-.xx.SR.xx.A.1.65	1401	1501	181	35	564	117	380	480	395	1021	509	1496	970	526	259	290	447	380	518	M12	453	300	340	320	636	149	487	845	292	708	257	190
G270X	M-.xx.SR.xx.A.1.80	1401	1501	181	35	579	132	380	480	395	1021	509	1528	1002	526	259	290	447	380	518	M12	453	300	340	320	687	149	538	875	310	708	257	190
G270X	M-.xx.SR.xx.A.1.100	1401	1501	181	35	592	145	380	480	395	1021	509	1611	1085	526	259	290	447	380	518	M12	453	300	340	320	791	149	642	942	353	708	258	257
G325X	M-.xx.SR.xx.A.1.50	1451	1551	181	35	550	100	430	530	471	1021	509	1251	725	526	284	320	450	380	518	M12	453	300	340	320	533	149	384	624	190	708	257	190
G325X	M-.xx.SR.xx.A.1.65	1451	1551	181	35	564	117	430	530	471	1021	509	1496	970	526	284	320	447	380	518	M12	453	300	340	320	636	149	487	845	292	708	257	190
G325X	M-.xx.SR.xx.A.1.80	1451	1551	181	35	579	132	430	530	471	1021	509	1528	1002	526	284	320	447	380	518	M12	453	300	340	320	687	149	538	875	310	708	257	190
G325X	M-.xx.SR.xx.A.1.100	1451	1551	181	35	592	145	430	530	471	1021	509	1611	1085	526	284	320	447	380	518	M12	453	300	340	320	791	149	642	942	353	708	257	190

Approximate values

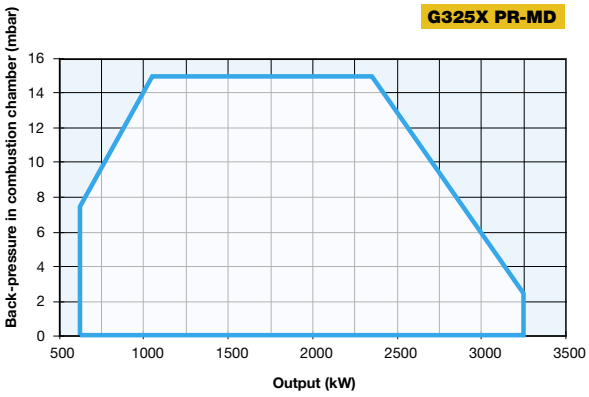
G225X PR-MD



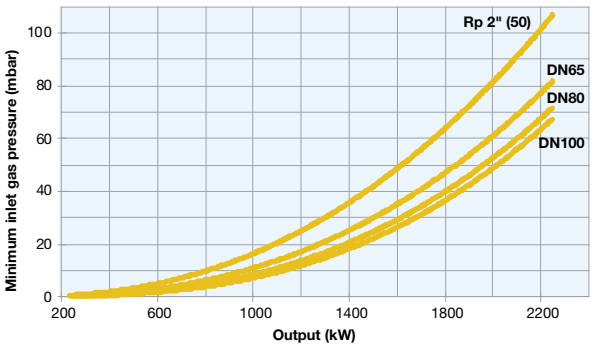
G270X PR-MD



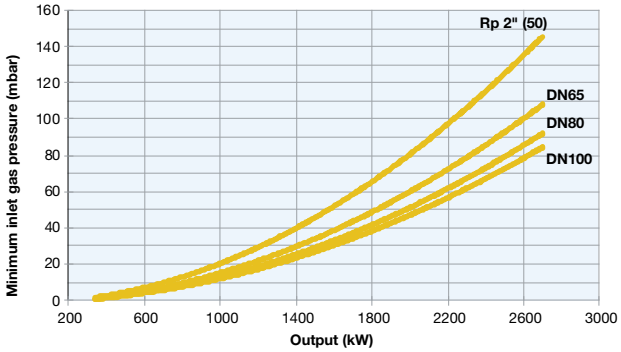
G325X PR-MD



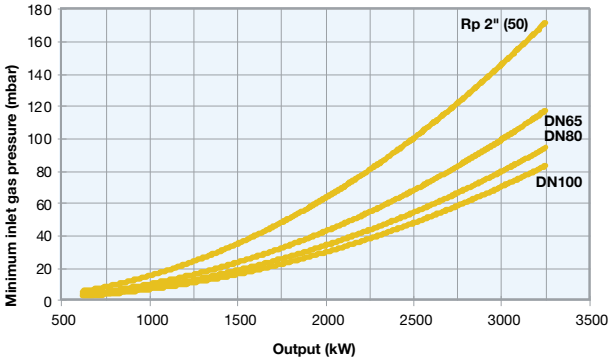
G225X PR-MD



G270X PR-MD



G325X PR-MD



Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.