

novanta SERIES **G225X G270X G325X**



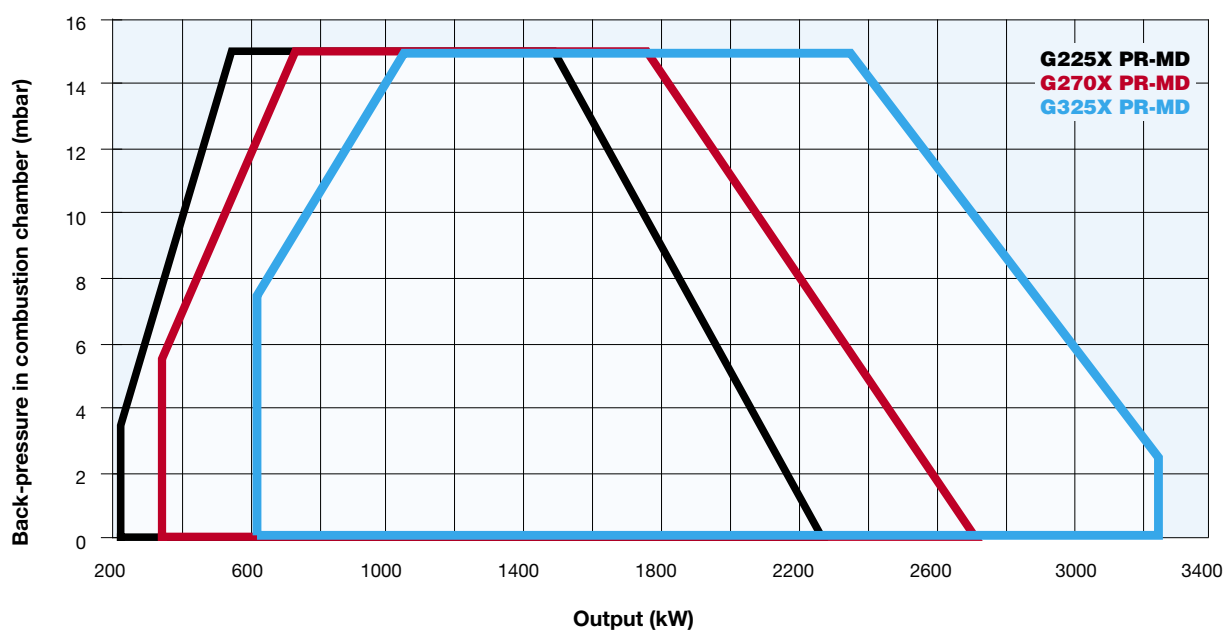
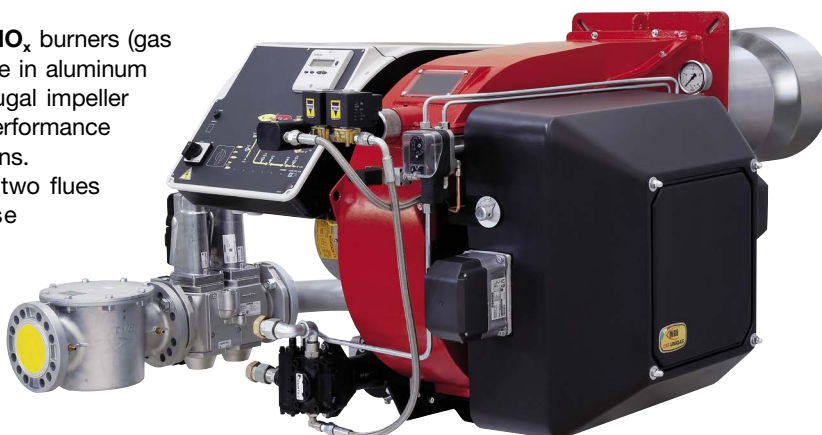
GAS/LIGHT OIL

NEW

The new G type NOVANTA series **Low NO_x** burners (gas side < 80 mg/kWh Class 3 EN676), made in aluminum housing with a backward curved centrifugal impeller is studied and developed to get high performance and efficiency combined with low emissions. In this manner this series can burn the two flues separately. This is possible because these burners are equipped with an independent electric motor for the activation of the oil pump. As a consequence, during gas firing the oil pump motor does not operate and remains off.

These burners are equipped with a high performance combustion head, designed to achieve a high irradiating flame when they run on natural gas. Instead, when they run on light oil, they are equipped with a by-pass nozzle which, using a pressure regulator, can reach a modulating ratio of 1:3.

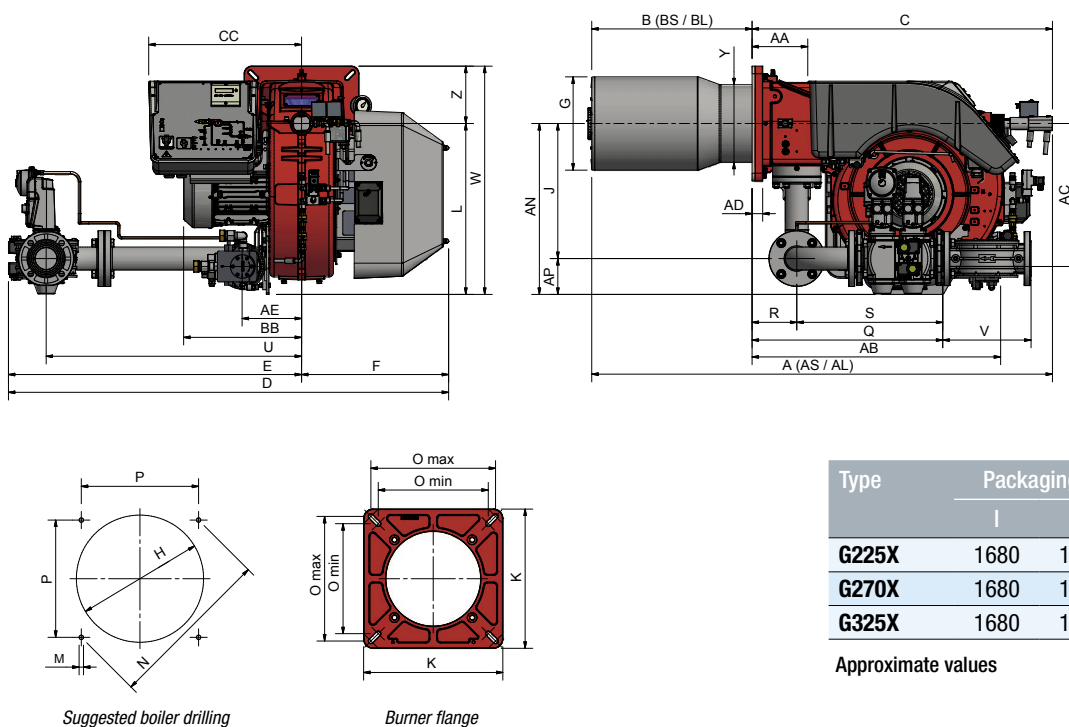
Therefore, the burners are provided with an UV photocell to control the flame during the operation.



TECHNICAL DETAILS

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

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

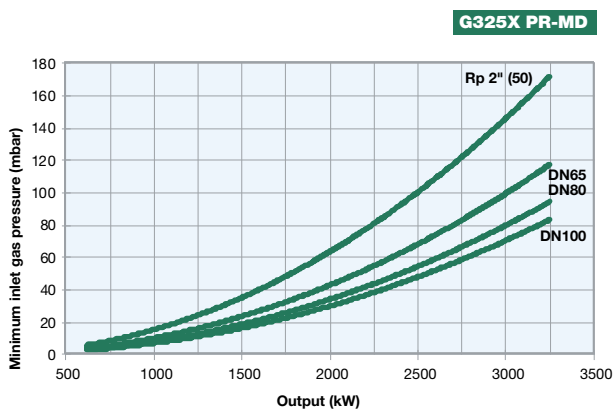
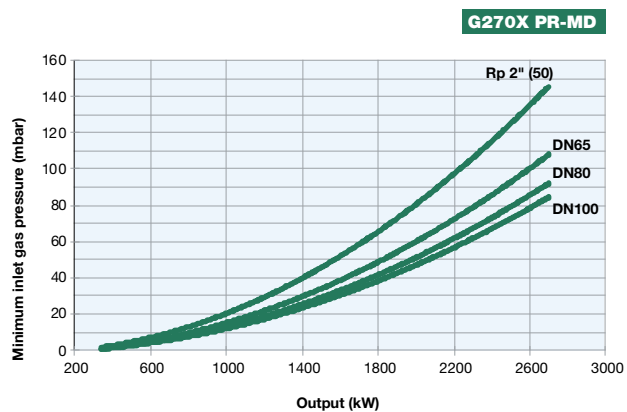
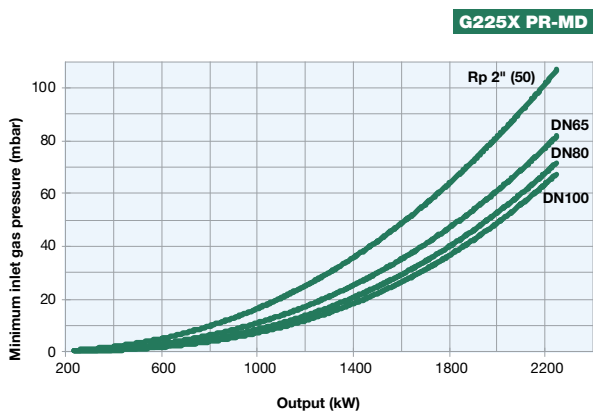
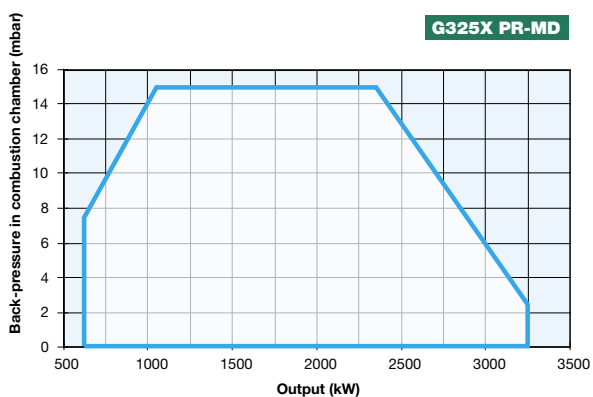
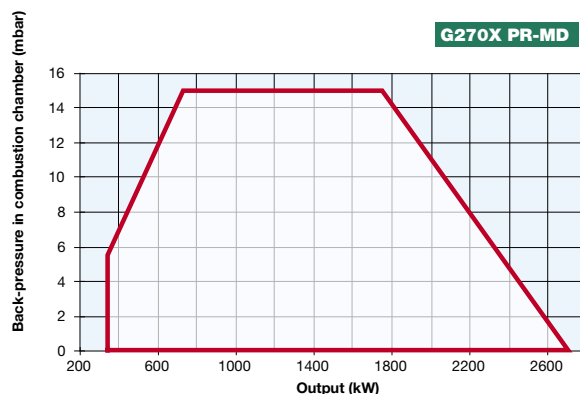
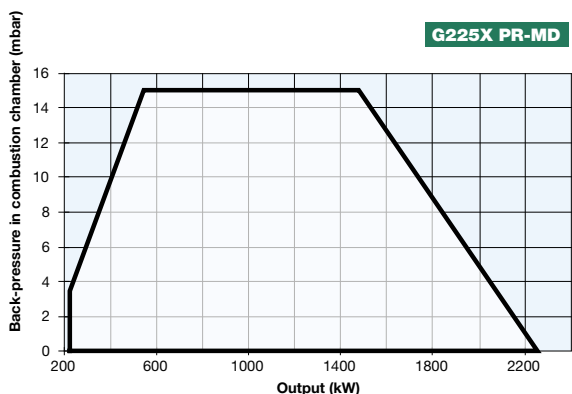
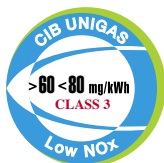


Type	Packaging dimensions (mm)			
	l	p	h	kg
G225X	1680	1200	1050	325
G270X	1680	1200	1050	325
G325X	1680	1200	1050	330

Approximate values

Type	Model	Overall dimensions (mm)																																		
		AS	AL	AA	AB	AC	AD	AE	AN	AP	BS	BL	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O		P	Q	R	S	U	V	W	Y	Z
		min.		max.																																
G225X	MG.xx.SR.xx.A.1.50	1360	1460	181	823	474	35	197	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	MG.xx.SR.xx.A.1.65	1360	1460	181	823	474	35	197	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	MG.xx.SR.xx.A.1.80	1360	1460	181	823	474	35	197	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	MG.xx.SR.xx.A.1.100	1360	1460	181	823	474	35	197	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	MG.xx.SR.xx.A.1.50	1401	1501	181	823	474	35	197	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	MG.xx.SR.xx.A.1.65	1401	1501	181	823	474	35	197	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	MG.xx.SR.xx.A.1.80	1401	1501	181	823	474	35	197	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	MG.xx.SR.xx.A.1.100	1401	1501	181	823	474	35	197	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	257	190
G325X	MG.xx.SR.xx.A.1.50	1451	1551	181	823	474	35	197	550	100	430	530	471	1021	509	1212	725	526	284	320	450	380	518	M12	453	300	340	320	533	149	384	624	190	708	257	190
G325X	MG.xx.SR.xx.A.1.65	1451	1551	181	823	474	35	197	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	MG.xx.SR.xx.A.1.80	1451	1551	181	823	474	35	197	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	MG.xx.SR.xx.A.1.100	1451	1551	181	823	474	35	197	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



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.