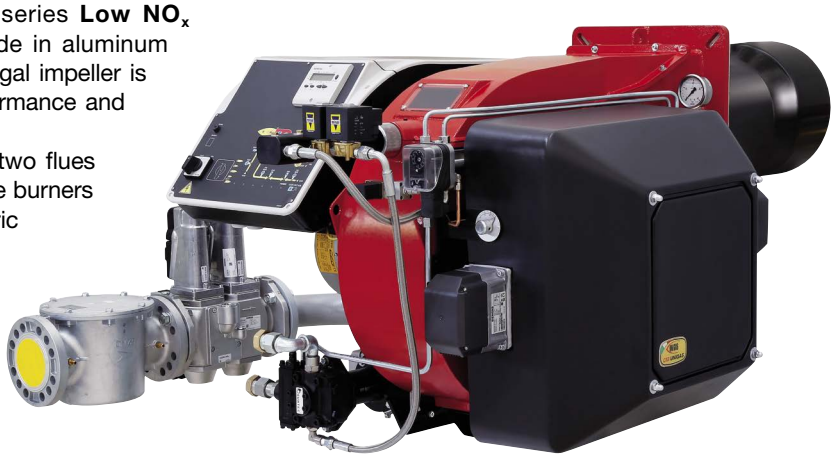
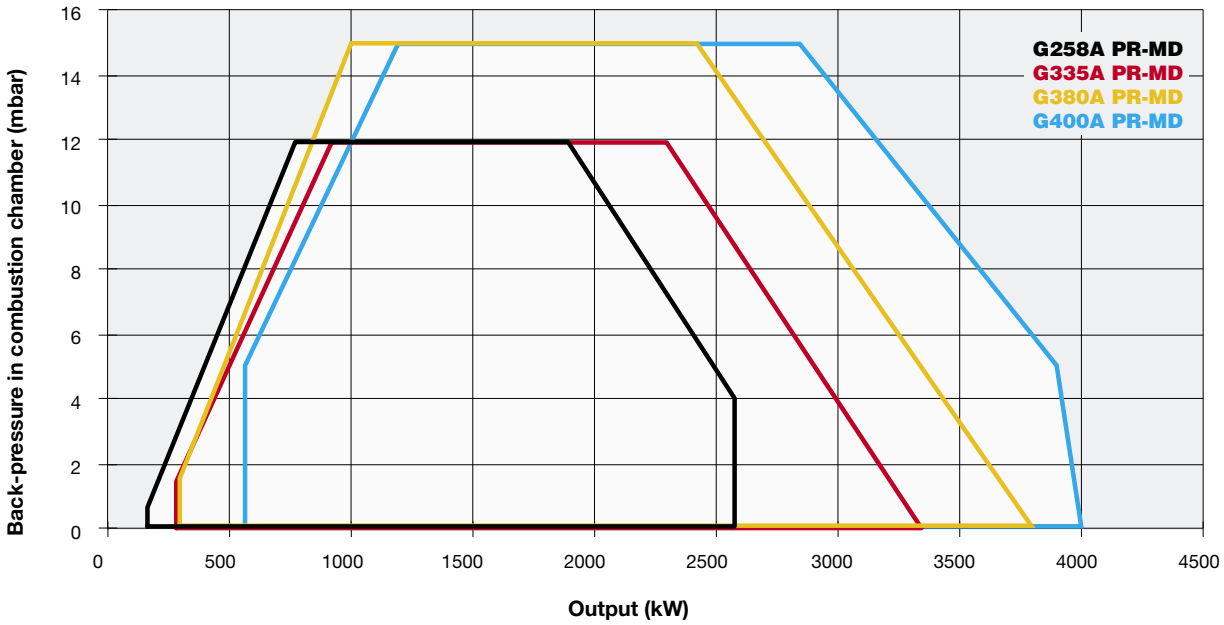
novanta SERIES G258A G335A G380A G400A

GAS/LIGHT OIL

The new standard G type NOVANTA series **Low NO_x** burners **Class 2 (< 120 mg/kWh)**, 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.

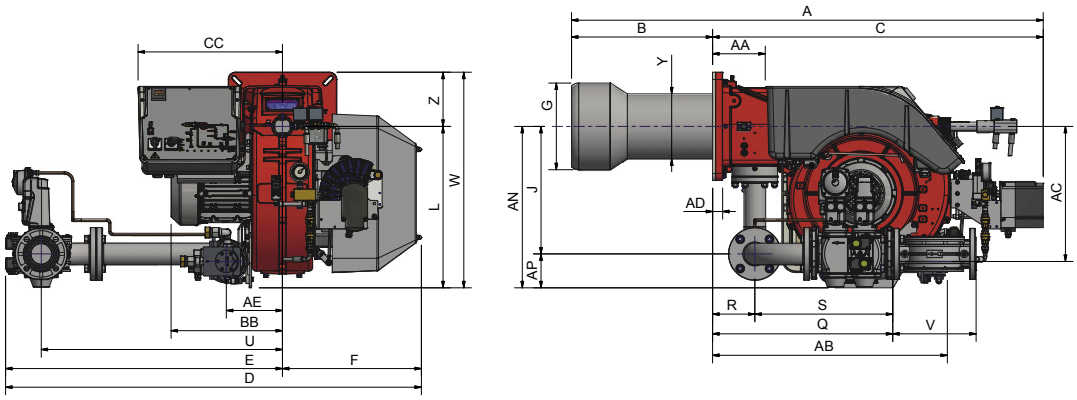


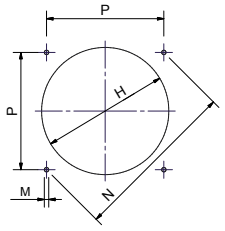


TECHNICAL DETAILS

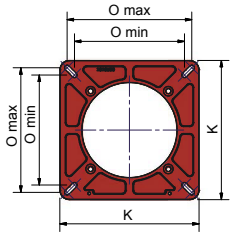
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Gas connections	Noise level
		min.	max.			kW	kW	Rp	dBA
G258A	MG.xx.SR.xx.A.1.xxx	165	2.580	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4	1,1	2" - DN65 - DN80 - DN100	< 85
G335A	MG.xx.SR.xx.A.1.xxx	280	3.350	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	1,1	2" - DN65 - DN80 - DN100	< 85
G380A	MG.xx.SR.xx.A.1.xxx	295	3.800	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	1,1	2" - DN65 - DN80 - DN100	< 85
G400A	MG.xx.SR.xx.A.1.xxx	580	4.000	230 V 1N AC 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.





Suggested boiler drilling



Burner flange

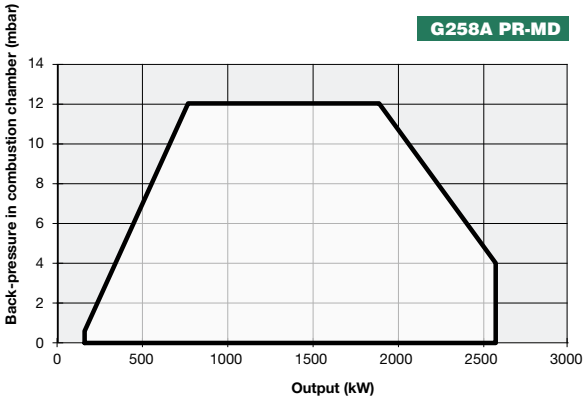
Type	Packaging dimensions (mm)			
	l	p	h	kg
G258A	1780	1200	1020	320
G335A	1780	1200	1020	325
G380A	1780	1200	1020	325
G400A	1780	1200	1020	330

Approximate values (regarding model with gas train DN80)

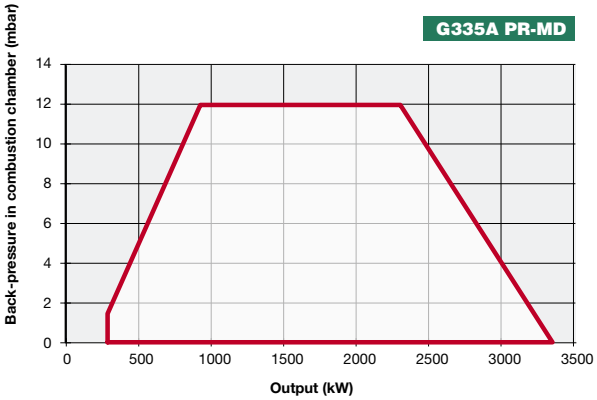
Type	Model	Overall dimensions (mm)																															
		A	AA	AB	AC	AD	AE	AN	AP	B	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O min.	O max.	P	Q	R	S	U	V	W	Y	Z
G258A	MG.xx.SR.xx.A.1.50	1626	184	850	372	35	271	550	100	460	391	1166	509	1116	725	391	254	290	450	380	518	M12	453	300	340	320	533	148	384	624	190	708	210	190
G258A	MG.xx.SR.xx.A.1.65	1626	184	850	372	35	271	564	117	460	391	1166	509	1362	971	391	254	290	447	380	518	M12	453	300	340	320	636	148	487	845	292	708	210	190
G258A	MG.xx.SR.xx.A.1.80	1626	184	850	372	35	271	579	132	460	391	1166	509	1393	1002	391	254	290	447	380	518	M12	453	300	340	320	687	148	538	875	310	708	210	190
G258A	MG.xx.SR.xx.A.1.100	1605	184	850	372	35	271	592	145	460	391	1145	509	1474	1085	391	254	290	447	380	518	M12	453	300	340	320	791	148	642	942	353	708	210	190
G335A	MG.xx.SR.xx.A.1.50	1626	184	850	372	35	271	550	100	460	399	1166	509	1116	725	391	254	290	450	380	518	M12	453	300	340	320	533	148	384	624	190	708	210	190
G335A	MG.xx.SR.xx.A.1.65	1626	184	850	372	35	271	564	117	460	399	1166	509	1362	971	391	254	290	447	380	518	M12	453	300	340	320	636	148	487	845	292	708	210	190
G335A	MG.xx.SR.xx.A.1.80	1626	184	850	372	35	271	579	132	460	399	1166	509	1393	1002	391	254	290	447	380	518	M12	453	300	340	320	687	148	538	875	310	708	210	190
G335A	MG.xx.SR.xx.A.1.100	1605	184	850	372	35	271	592	145	460	399	1145	509	1474	1085	391	254	290	447	380	518	M12	453	300	340	320	791	148	642	942	353	708	210	190
G380A	MG.xx.SR.xx.A.1.50	1627	184	850	372	35	271	550	100	490	471	1124	509	1139	725	414	265	300	450	380	518	M12	453	300	340	320	533	148	384	624	190	708	228	190
G380A	MG.xx.SR.xx.A.1.65	1627	184	850	372	35	271	564	117	490	471	1124	509	1385	971	414	265	300	447	380	518	M12	453	300	340	320	636	148	487	845	292	708	228	190
G380A	MG.xx.SR.xx.A.1.80	1627	184	850	372	35	271	579	132	490	471	1124	509	1416	1002	414	265	300	447	380	518	M12	453	300	340	320	687	148	538	875	310	708	228	190
G380A	MG.xx.SR.xx.A.1.100	1647	184	850	372	35	271	592	145	490	471	1145	509	1499	1085	414	265	300	447	380	518	M12	453	300	340	320	791	148	642	942	353	708	228	190
G400A	MG.xx.SR.xx.A.1.50	1624	184	850	372	35	271	550	100	500	471	1124	509	1139	725	414	304	345	450	380	518	M12	453	300	340	320	533	148	384	624	190	708	228	190
G400A	MG.xx.SR.xx.A.1.65	1624	184	850	372	35	271	564	117	500	471	1124	509	1385	971	414	304	345	447	380	518	M12	453	300	340	320	636	148	487	845	292	708	228	190
G400A	MG.xx.SR.xx.A.1.80	1624	184	850	372	35	271	579	132	500	471	1124	509	1416	1002	414	304	345	447	380	518	M12	453	300	340	320	687	148	538	875	310	708	228	190
G400A	MG.xx.SR.xx.A.1.100	1645	184	850	372	35	271	592	145	500	471	1145	509	1499	1085	414	304	345	447	380	518	M12	453	300	340	320	791	148	642	942	353	708	228	190

Approximate values

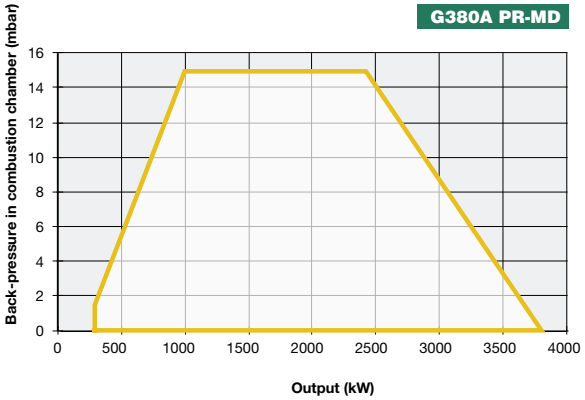
G258A PR-MD



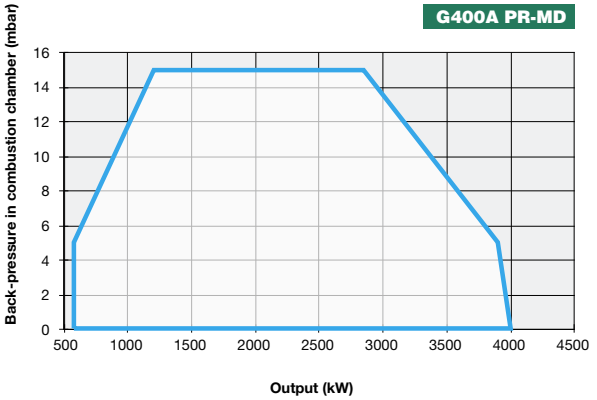
G335A PR-MD



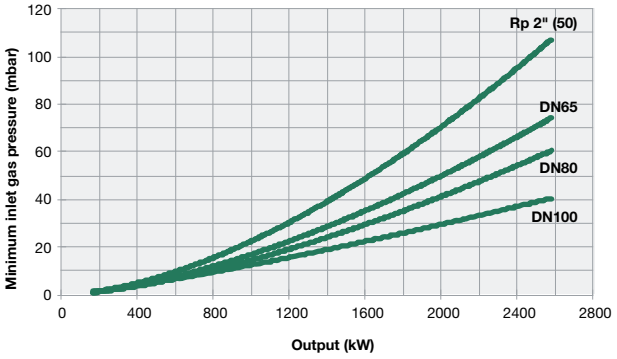
G380A PR-MD



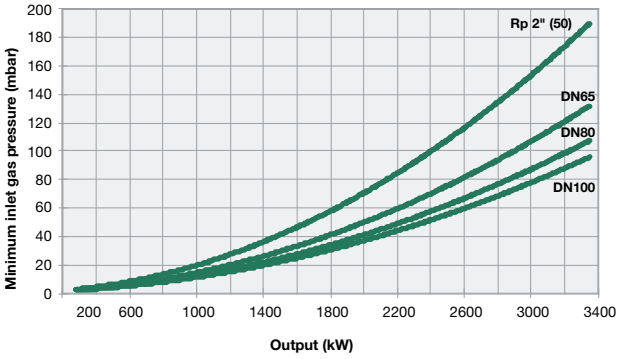
G400A PR-MD



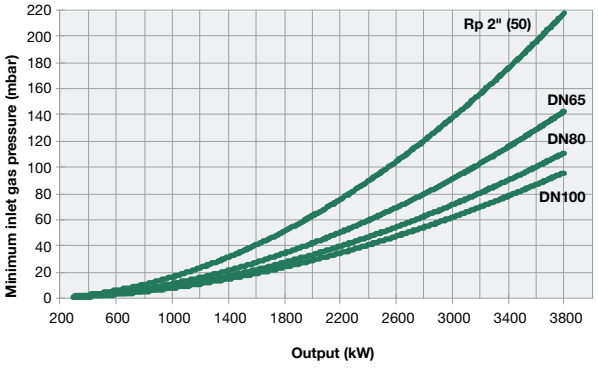
G258A PR-MD



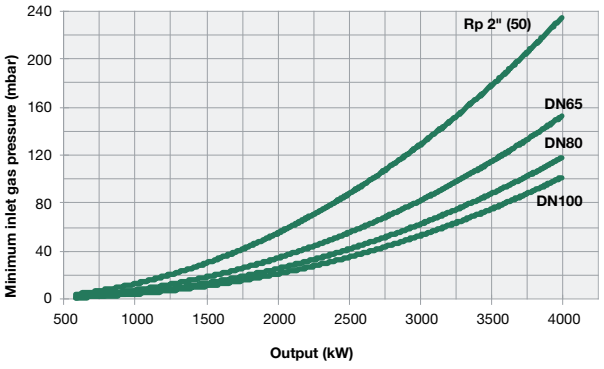
G335A PR-MD



G380A PR-MD



G400A 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.