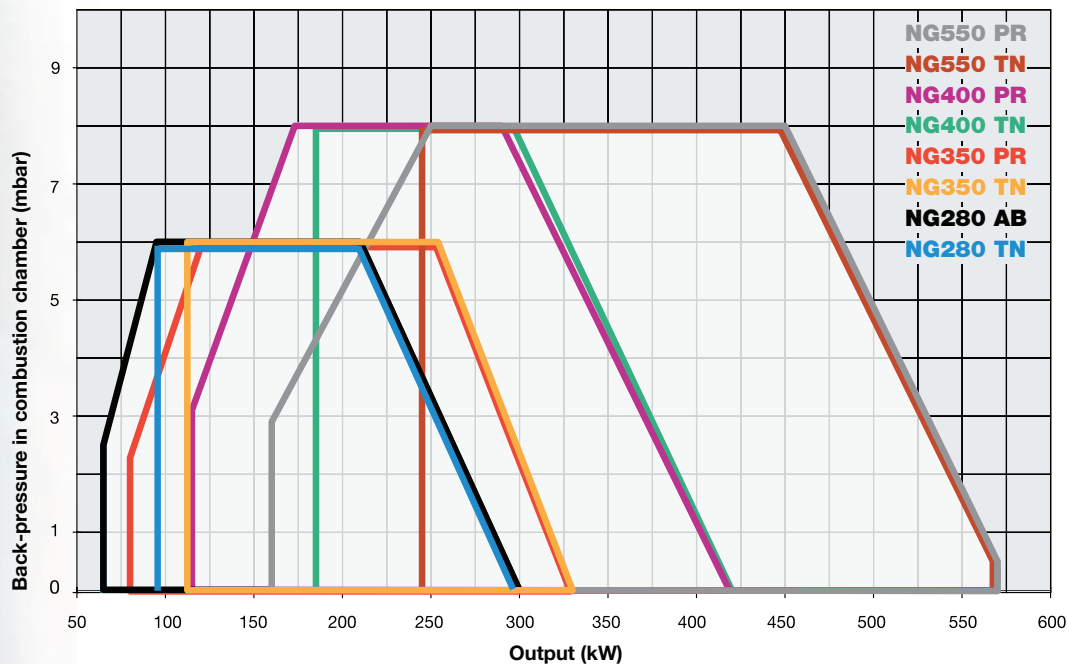


With the new line IDEA, CIB UNIGAS presents on the market a new conception of modern and functional burners for small and medium appliances. These burners, which are the most powerful of the range IDEA, are particularly suitable to work on boilers with high back pressures. In particular, NG350 and 400 fit a single "modular" blast tube suitable for standard and extensive uses. The series IDEA is the final result of big investments in research and new technologies. For example this new range of burners is provided with a linear and proportional system of supply between gas flow rate and angle of the butterfly valve, to ensure a smooth and regular combustion.

The burner, in all versions, are "friendly user". There are plugs which can be easily connected to the feeding line, all mechanical components are mounted on a plate which can be quickly taken off for maintenance. The head is adjustable through a graduated screw. The gas train can be mounted either on the right side or on the left side.

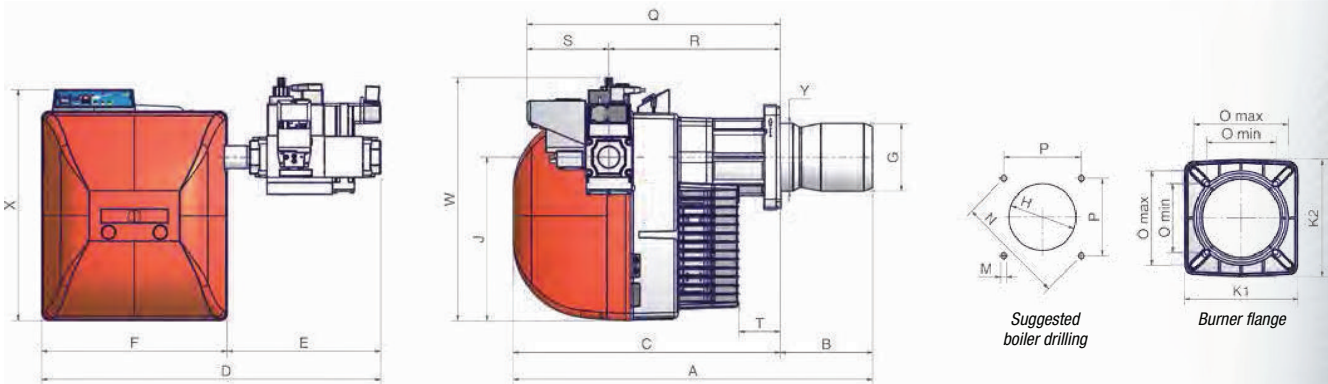




TECHNICAL DETAILS

Type	Model	Power kW		Electric power supply	Fan motor kW	Gas connections Rp
		min.	max.			
NG280	M-.TN.x.IT.A.0.xx	95	300	230 V 1N ac	0,25	1" - 1"1/4 - 1"1/2
NG280	M-.xx.x.IT.A.0.xx	65	300	230 V 1N ac	0,25	1" - 1"1/4 - 1"1/2
NG350	M-.TN.M.IT.A.0.xx	115	330	230 V 1N ac	0,37	1" - 1"1/4 - 1"1/2
NG350	M-.xx.M.IT.A.0.xx	80	330	230 V 1N ac	0,37	1" - 1"1/4 - 1"1/2
NG400	M-.TN.M.IT.A.0.xx	185	420	230 V 1N ac	0,37	1" - 1"1/4 - 1"1/2 - 2"
NG400	M-.xx.M.IT.A.0.xx	115	420	230 V 1N ac	0,37	1" - 1"1/4 - 1"1/2 - 2"
NG550	M-.TN.x.IT.A.0.xx	245	570	230 V 1N ac	0,62	1"1/4 - 1"1/2 - 2"
NG550	M-.xx.x.IT.A.0.xx	160	570	230 V 1N ac	0,62	1"1/4 - 1"1/2 - 2"

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



Type	Packaging dimensions* (mm)			
	l	p	h	kg
NG280/350/400	1120	440	580	42
NG550	1200	460	630	55

(*) Approximate values

Type	Model	Overall dimensions* (mm)																								
		A		B		C	D	E	F	G	H	J	K		M	N	O		P	Q	R	S	T	W	X	Y
		stand.	exten.	stand.	exten.								1	2			min.	max.								
NG280	M-.TN.x.IT.A.0.25/32	733	878	163	308	570	596	200	396	117	137	348	215	223	M10	219	131	179	155	541	366	175	128	508	491	108
NG280	M-.xx.x.IT.A.0.40	733	878	163	308	570	726	330	396	117	137	348	215	223	M10	219	131	179	155	541	366	175	128	517	491	108
NG350	M-.xx.M.IT.A.0.25/32	748	878	178	308	570	596	200	396	125	164	348	215	223	M10	219	131	179	155	541	366	175	89	508	491	144
NG350	M-.xx.M.IT.A.0.40	748	878	178	308	570	726	330	396	125	164	348	215	223	M10	219	131	179	155	541	366	175	89	517	491	144
NG400	M-.xx.M.IT.A.0.25/32	768	898	198	328	570	596	200	396	144	164	348	215	223	M10	219	131	179	155	541	366	175	89	508	491	144
NG400	M-.xx.M.IT.A.0.40	768	898	198	328	570	726	330	396	144	164	348	215	223	M10	219	131	179	155	541	366	175	89	517	491	144
NG400	M-.xx.M.IT.A.0.50	768	898	198	328	570	726	330	396	144	164	348	215	223	M10	219	131	179	155	541	366	175	89	567	491	144
NG550	M-.xx.x.IT.A.0.32	843	943	253	353	590	671	245	426	158	178	384	241	241	M10	247	157	192	174	552	377	175	69	543	533	155
NG550	M-.xx.x.IT.A.0.40	843	943	253	353	590	744	318	426	158	178	384	241	241	M10	247	157	192	174	552	377	175	69	553	533	155
NG550	M-.xx.x.IT.A.0.50	843	943	253	353	590	744	318	426	158	178	384	241	241	M10	247	157	192	174	552	377	175	69	603	533	155

* Approximate values

MECHANICAL OPERATION

Model	Gas train	Operation	NG280		NG350	
			Code	Price €	Code	Price €
M-.TN.S.IT.A.0.25	1"	TN	027011741	-	-	-
M-.TN.L.IT.A.0.25	1"	TN	027011841	-	-	-
M-.TN.S.IT.A.0.32	1"¼	TN	027011941	-	-	-
M-.TN.L.IT.A.0.32	1"¼	TN	027012041	-	-	-
M-.TN.S.IT.A.0.40	1"½	TN	027012141	-	-	-
M-.TN.L.IT.A.0.40	1"½	TN	027012241	-	-	-
M-.AB.S.IT.A.0.25	1"	AB	027011742	-	-	-
M-.AB.L.IT.A.0.25	1"	AB	027011842	-	-	-
M-.AB.S.IT.A.0.32	1"¼	AB	027011942	-	-	-
M-.AB.L.IT.A.0.32	1"¼	AB	027012042	-	-	-
M-.AB.S.IT.A.0.40	1"½	AB	027012142	-	-	-
M-.AB.L.IT.A.0.40	1"½	AB	027012242	-	-	-
M-.PR.S.IT.A.0.25	1"	PR	027011743	-	-	-
M-.PR.L.IT.A.0.25	1"	PR	027011843	-	-	-
M-.PR.S.IT.A.0.32	1"¼	PR	027011943	-	-	-
M-.PR.L.IT.A.0.32	1"¼	PR	027012043	-	-	-
M-.PR.S.IT.A.0.40	1"½	PR	027012143	-	-	-
M-.PR.L.IT.A.0.40	1"½	PR	027012243	-	-	-
M-.MD.S.IT.A.0.25	1"	MD	027011744	-	-	-
M-.MD.L.IT.A.0.25	1"	MD	027011844	-	-	-
M-.MD.S.IT.A.0.32	1"¼	MD	027011944	-	-	-
M-.MD.L.IT.A.0.32	1"¼	MD	027012044	-	-	-
M-.MD.S.IT.A.0.40	1"½	MD	027012144	-	-	-
M-.MD.L.IT.A.0.40	1"½	MD	027012244	-	-	-
M-.TN.M.IT.A.0.25	1"	TN	-	-	027010141	-
M-.TN.M.IT.A.0.32	1"¼	TN	-	-	027010241	-
M-.TN.M.IT.A.0.40	1"½	TN	-	-	027010341	-
M-.PR.M.IT.A.0.25	1"	PR	-	-	027010143	-
M-.PR.M.IT.A.0.32	1"¼	PR	-	-	027010243	-
M-.PR.M.IT.A.0.40	1"½	PR	-	-	027010343	-
M-.MD.M.IT.A.0.25	1"	MD(*)	-	-	027010144	-
M-.MD.M.IT.A.0.32	1"¼	MD(*)	-	-	027010244	-
M-.MD.M.IT.A.0.40	1"½	MD(*)	-	-	027010344	-

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 238).
In compliance with DIRECTIVE 2009/142/CE


MECHANICAL OPERATION

Model	Gas train	Operation	NG400		NG550	
			Code	Price €	Code	Price €
M-.TN.M.IT.A.0.25	1"	TN	027010441		-	
M-.TN.M.IT.A.0.32	1"¼	TN	027010541		-	
M-.TN.M.IT.A.0.40	1"½	TN	027010641		-	
M-.TN.M.IT.A.0.50	2"	TN	027010741		-	
M-.PR.M.IT.A.0.25	1"	PR	027010443		-	
M-.PR.M.IT.A.0.32	1"¼	PR	027010543		-	
M-.PR.M.IT.A.0.40	1"½	PR	027010643		-	
M-.PR.M.IT.A.0.50	2"	PR	027010743		-	
M-.MD.M.IT.A.0.25	1"	MD(*)	027010444		-	
M-.MD.M.IT.A.0.32	1"¼	MD(*)	027010544		-	
M-.MD.M.IT.A.0.40	1"½	MD(*)	027010644		-	
M-.MD.M.IT.A.0.50	2"	MD(*)	027010744		-	
M-.TN.S.IT.A.0.32	1"¼	TN	-		028010141	
M-.TN.L.IT.A.0.32	1"¼	TN	-		028010241	
M-.TN.S.IT.A.0.40	1"½	TN	-		028010341	
M-.TN.L.IT.A.0.40	1"½	TN	-		028010441	
M-.TN.S.IT.A.0.50	2"	TN	-		028010541	
M-.TN.L.IT.A.0.50	2"	TN	-		028010641	
M-.PR.S.IT.A.0.32	1"¼	PR	-		028010143	
M-.PR.L.IT.A.0.32	1"¼	PR	-		028010243	
M-.PR.S.IT.A.0.40	1"½	PR	-		028010343	
M-.PR.L.IT.A.0.40	1"½	PR	-		028010443	
M-.PR.S.IT.A.0.50	2"	PR	-		028010543	
M-.PR.L.IT.A.0.50	2"	PR	-		028010643	
M-.MD.S.IT.A.0.32	1"¼	MD(*)	-		02801014428	
M-.MD.L.IT.A.0.32	1"¼	MD(*)	-		02801024428	
M-.MD.S.IT.A.0.40	1"½	MD(*)	-		02801034428	
M-.MD.L.IT.A.0.40	1"½	MD(*)	-		02801044428	
M-.MD.S.IT.A.0.50	2"	MD(*)	-		02801054428	
M-.MD.L.IT.A.0.50	2"	MD(*)	-		02801064428	

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 238).
 In compliance with DIRECTIVE 2009/142/CE

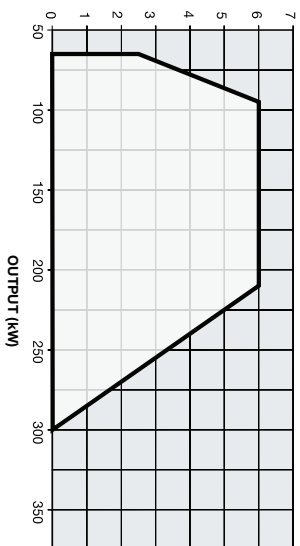
ELECTRONIC OPERATION

Model	Gas train	Operation	NG280		NG350	
			Code	Price €	Code	Price €
M-.PR.S.IT.A.1.25.EA	1"	PR	02701175A	-	-	-
M-.PR.L.IT.A.1.25.EA	1"	PR	02701185A	-	-	-
M-.PR.S.IT.A.1.32.EA	1 ³ / ₄ "	PR	02701195A	-	-	-
M-.PR.L.IT.A.1.32.EA	1 ³ / ₄ "	PR	02701205A	-	-	-
M-.PR.S.IT.A.1.40.EA	1 ¹ / ₂ "	PR	02701215A	-	-	-
M-.PR.L.IT.A.1.40.EA	1 ¹ / ₂ "	PR	02701225A	-	-	-
M-.MD.S.IT.A.1.25.EA	1"	MD(*)	02701175E	-	-	-
M-.MD.L.IT.A.1.25.EA	1"	MD(*)	02701185E	-	-	-
M-.MD.S.IT.A.1.32.EA	1 ³ / ₄ "	MD(*)	02701195E	-	-	-
M-.MD.L.IT.A.1.32.EA	1 ³ / ₄ "	MD(*)	02701205E	-	-	-
M-.MD.S.IT.A.1.40.EA	1 ¹ / ₂ "	MD(*)	02701215E	-	-	-
M-.MD.L.IT.A.1.40.EA	1 ¹ / ₂ "	MD(*)	02701225E	-	-	-
M-.PR.M.IT.A.1.25.EA	1"	PR	-	-	02701015A	-
M-.PR.M.IT.A.1.32.EA	1 ³ / ₄ "	PR	-	-	02701025A	-
M-.PR.M.IT.A.1.40.EA	1 ¹ / ₂ "	PR	-	-	02701035A	-
M-.MD.M.IT.A.1.25.EA	1"	MD(*)	-	-	02701015E	-
M-.MD.M.IT.A.1.32.EA	1 ³ / ₄ "	MD(*)	-	-	02701025E	-
M-.MD.M.IT.A.1.40.EA	1 ¹ / ₂ "	MD(*)	-	-	02701035E	-

Model	Gas train	Operation	NG400		NG550	
			Code	Price €	Code	Price €
M-.PR.M.IT.A.1.25.EA	1"	PR	02701045A	-	-	-
M-.PR.M.IT.A.1.32.EA	1 ³ / ₄ "	PR	02701055A	-	-	-
M-.PR.M.IT.A.1.40.EA	1 ¹ / ₂ "	PR	02701065A	-	-	-
M-.PR.M.IT.A.1.50.EA	2"	PR	02701075A	-	-	-
M-.MD.M.IT.A.1.25.EA	1"	MD(*)	02701045E	-	-	-
M-.MD.M.IT.A.1.32.EA	1 ³ / ₄ "	MD(*)	02701055E	-	-	-
M-.MD.M.IT.A.1.40.EA	1 ¹ / ₂ "	MD(*)	02701065E	-	-	-
M-.MD.M.IT.A.1.50.EA	2"	MD(*)	02701075E	-	-	-
M-.PR.S.IT.A.1.32.EA	1 ³ / ₄ "	PR	-	-	02801015A	-
M-.PR.L.IT.A.1.32.EA	1 ³ / ₄ "	PR	-	-	02801025A	-
M-.PR.S.IT.A.1.40.EA	1 ¹ / ₂ "	PR	-	-	02801035A	-
M-.PR.L.IT.A.1.40.EA	1 ¹ / ₂ "	PR	-	-	02801045A	-
M-.PR.S.IT.A.1.50.EA	2"	PR	-	-	02801055A	-
M-.PR.L.IT.A.1.50.EA	2"	PR	-	-	02801065A	-
M-.MD.S.IT.A.1.32.EA	1 ³ / ₄ "	MD(*)	-	-	02801015E	-
M-.MD.L.IT.A.1.32.EA	1 ³ / ₄ "	MD(*)	-	-	02801025E	-
M-.MD.S.IT.A.1.40.EA	1 ¹ / ₂ "	MD(*)	-	-	02801035E	-
M-.MD.L.IT.A.1.40.EA	1 ¹ / ₂ "	MD(*)	-	-	02801045E	-
M-.MD.S.IT.A.1.50.EA	2"	MD(*)	-	-	02801055E	-
M-.MD.L.IT.A.1.50.EA	2"	MD(*)	-	-	02801065E	-

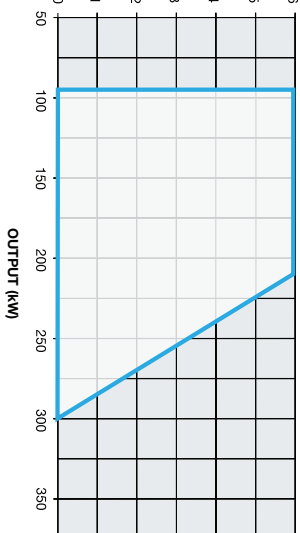
(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 238).
In compliance with DIRECTIVE 2009/142/CE

Back-pressure in combustion chamber (mbar)



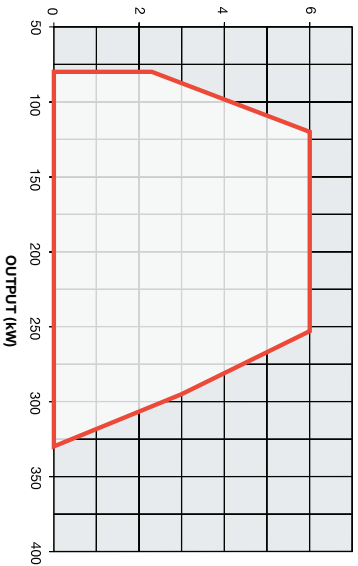
NG280 AB

Back-pressure in combustion chamber (mbar)



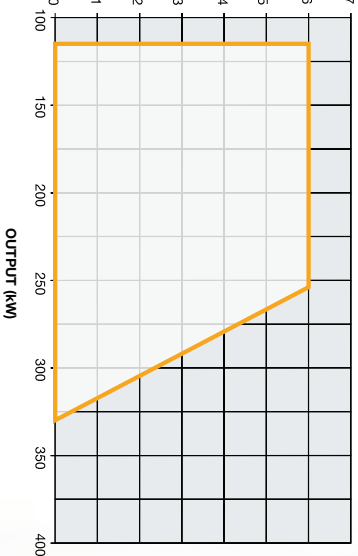
NG280 TN

Back-pressure in combustion chamber (mbar)



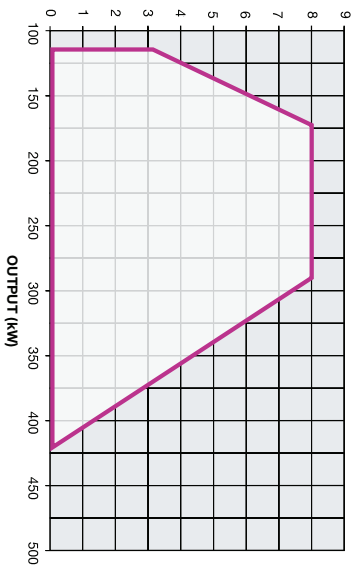
NG350 PR-MID

Back-pressure in combustion chamber (mbar)



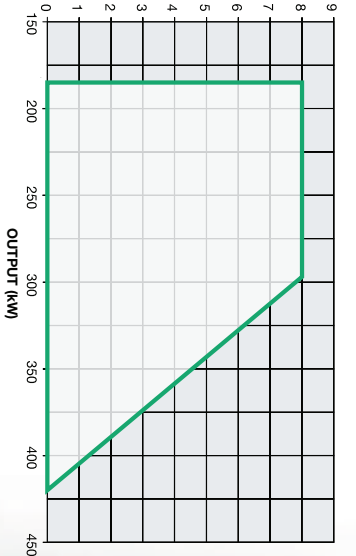
NG350 TN

Back-pressure in combustion chamber (mbar)



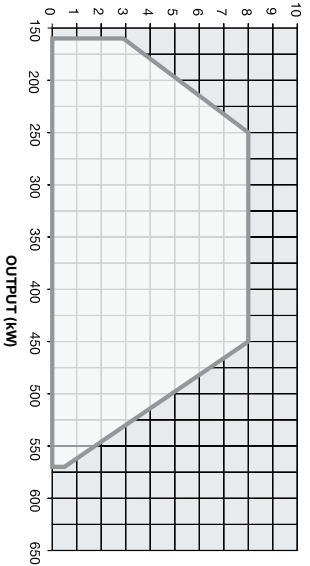
NG400 PR-MID

Back-pressure in combustion chamber (mbar)



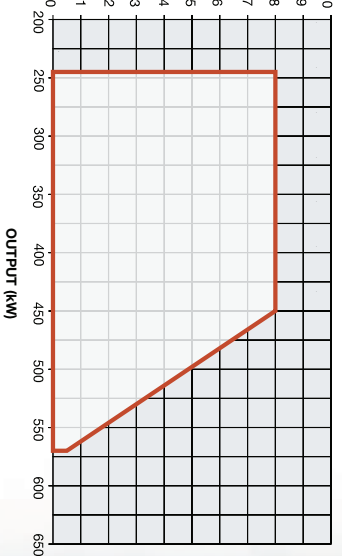
NG400 TN

Back-pressure in combustion chamber (mbar)

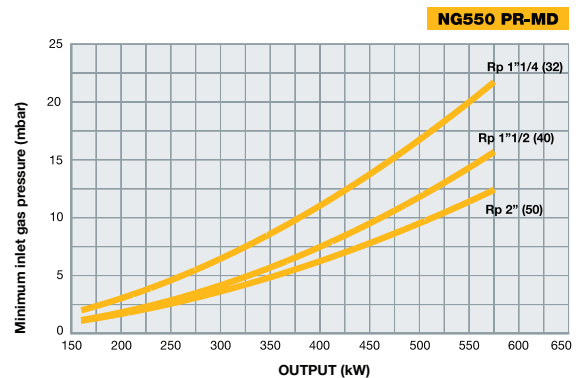
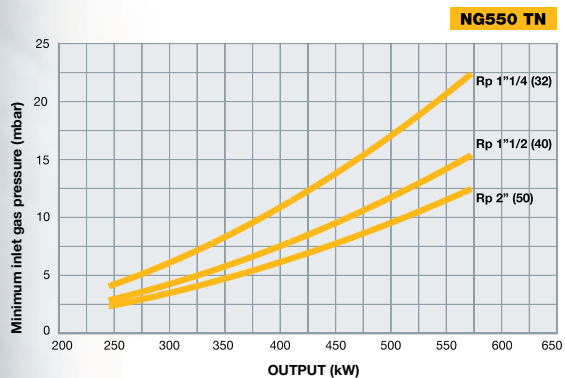
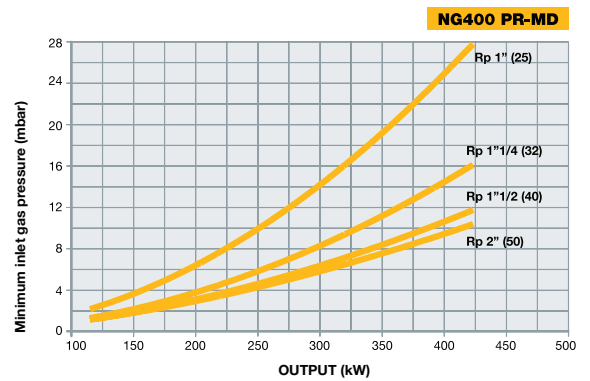
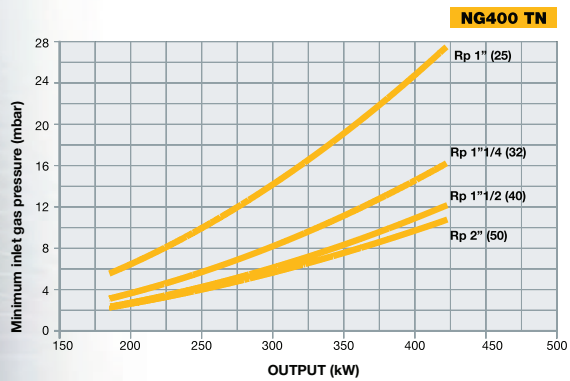
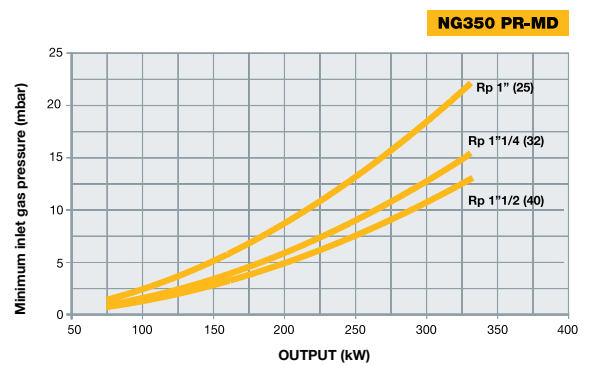
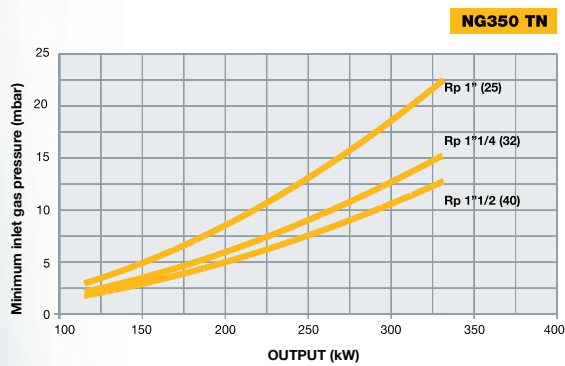
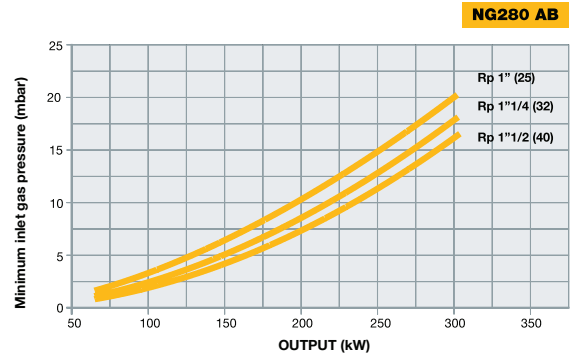
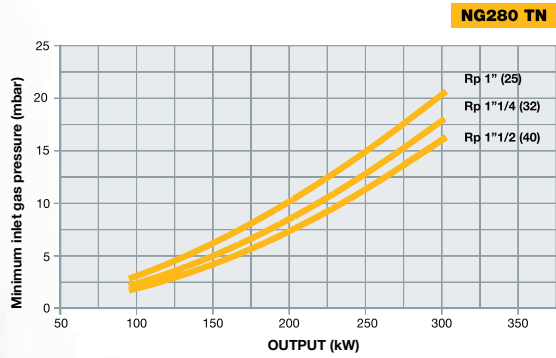


NG550 PR-MID

Back-pressure in combustion chamber (mbar)



NG550 TN



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.