

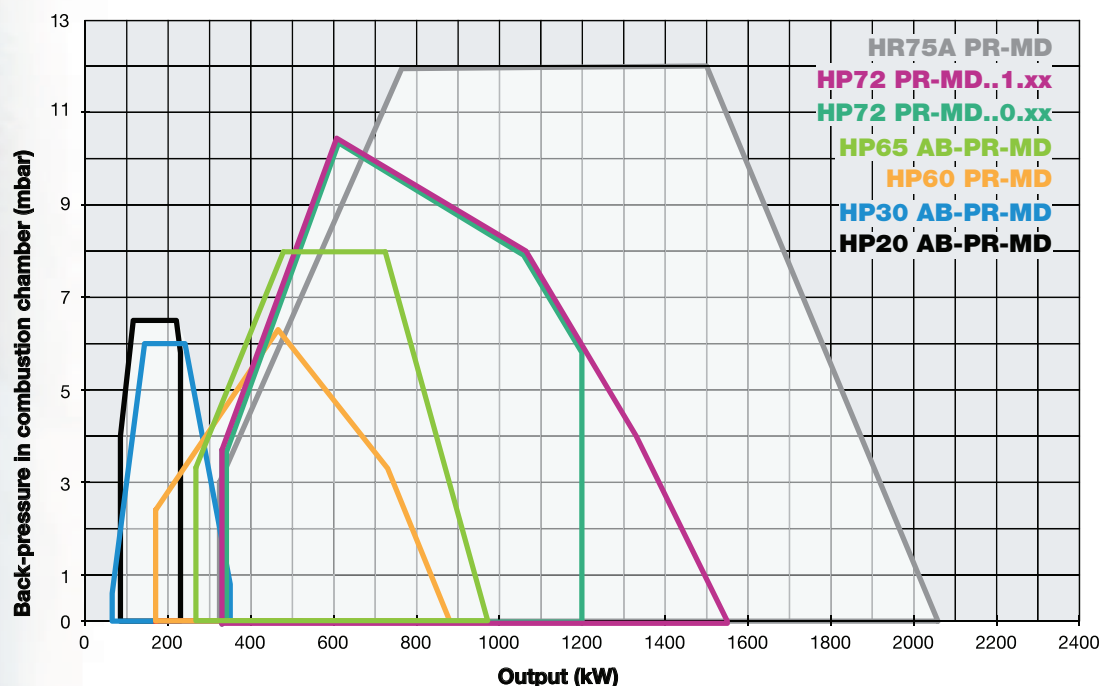
These burners are characterized by the "spiral" line typical of the series TECNOPRESS. They are suitable both for big and for small outputs up to 2050 kW. Moreover they are suitable to burn either natural gas or light oil thanks to the adjustable combustion head which allows a good performance with both fuels.

The control panel facia is printed with a mimic diagram fitted with neon lamps to indicate the different stages of the burner operation.

Like all other models, they can work with standard and long blast tube. If the blast tube is shorter than the standard one, a spacer is available to adjust the insertion length into the combustion chamber. All regulations and settings devices are simple and practical for both fuels thanks to high quality leverages.



Electronic set up (optional)

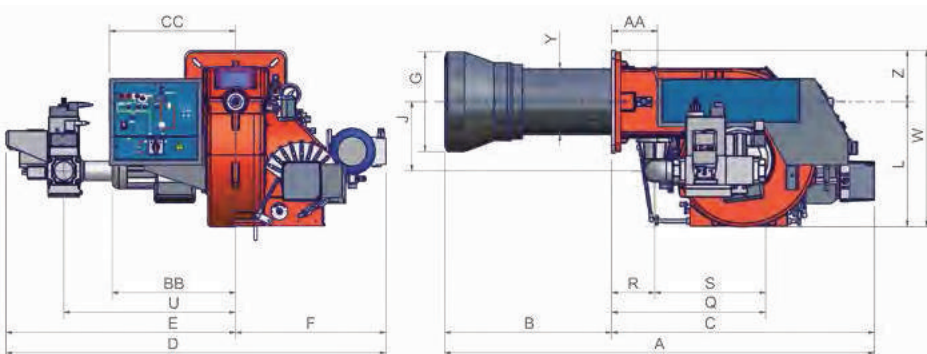




TECHNICAL DETAILS

Type	Model	Power kW		Electric power supply	Fan motor kW	Pump motor kW	Gas connections
		min.	max.				
HP20	MG.xx.x.IT.A.0.25	85	230	230 V 1N ac	0,37	0,10	1"
HP30	MG.xx.S.IT.A.0.xx	65	350	230 V 1N ac	0,37	0,10	1"1/4 - 1"1/2
HP60	MG.xx.S.IT.A.0.xx	170	880	230/400 V 3N ac	1,10	0,55	1"1/2 - 2" - DN65
HP65	MG.xx.S.IT.A.x.xx	270	970	230/400 V 3N ac	1,50	0,55	1"1/2 - 2" - DN65
HP72	MG.xx.S.IT.A.0.xx	330	1200	230/400 V 3N ac	2,20	0,55	2" - DN65 - 80
HP72	MG.xx.S.IT.A.1.xx	330	1550	230/400 V 3N ac	2,20	0,55	2" - DN65 - 80
HR75A	MG.xx.S.IT.A.1.xx	320	2050	230/400 V 3N ac	3,00	0,55	2" - DN65 - 80

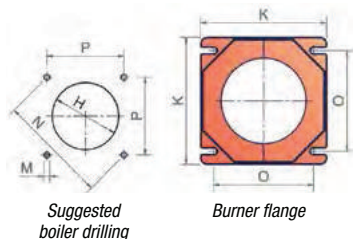
For the configuration of the gas train, see pages 112-113.



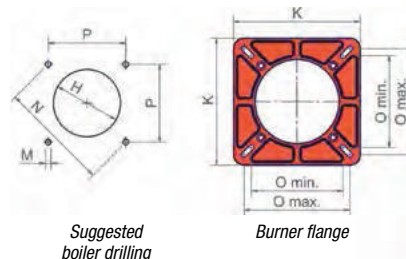
Type	Packaging dimensions* (mm)			
	l	p	h	kg
HP20/HP30	980	820	580	70
HP60	1280	850	760	90
HP65	1280	850	760	130
HP72/HR75A	1280	850	760	145

(*) Approximate values

HP20 - HP30 - HP60



HP72 - HR75A



Type	Model	Overall dimensions* (mm)																												
		AS	AL	AA	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.								
HP20	MG.xx.x.ITA.0.25	728	813	-	173	258	-	555	-	830	510	320	126	151	178	190	290	M10	219	155	155	155	-	-	-	360	-	-	115	-
HP30	MG.xx.S.ITA.0.xx	855	-	-	300	-	-	555	-	830	510	320	142	162	178	190	290	M10	219	155	155	155	-	-	-	360	-	-	133	-
HP60	MG.xx.S.ITA.0.40	1119	-	99	383	-	314	736	362	930	500	430	240	280*	210	240	344	M10	269	190	190	190	445	112	327	444	-	464	162	120
HP60	MG.xx.S.ITA.0.50	1119	-	99	383	-	314	736	362	930	500	430	240	280*	210	240	344	M10	269	190	190	190	445	112	335	444	-	464	162	120
HP60	MG.xx.S.ITA.0.65	1119	-	99	383	-	314	736	362	1115	685	430	240	280*	250	240	420	M10	269	190	190	190	845	112	403	540	313	540	162	120
HP65	MG.xx.S.IT.A.1.40	1156	-	139	362	-	347	794	380	1148	694	454	240	280	208	300	376	M10	330	216	250	233	457	130	327	519	-	531	162	155
HP65	MG.xx.S.IT.A.1.50	1156	-	139	362	-	347	794	380	1148	694	454	240	280	208	300	376	M10	330	216	250	233	465	130	335	519	-	531	162	155
HP65	MG.xx.S.IT.A.1.65	1156	-	139	362	-	347	794	380	1226	772	454	240	280	275	300	393	M10	330	216	250	233	533	130	403	565	313	548	162	155
HP72	MG.xx.S.ITA.0.50	1299	-	139	505	-	373	794	382	1022	568	454	300	340*	208	300	376	M10	330	216	250	233	465	130	335	519	-	531	198	155
HP72	MG.xx.S.ITA.0.65	1299	-	139	505	-	373	794	382	1120	666	454	300	340*	275	300	393	M10	330	216	250	233	533	130	403	565	313	548	198	155
HP72	MG.xx.S.ITA.0.80	1299	-	139	505	-	373	794	382	1120	666	454	300	340*	275	300	407	M10	330	216	250	233	574	130	444	565	344	562	198	155
HP72	MG.xx.S.ITA.1.50	1299	-	139	505	-	373	794	382	1148	694	454	300	340*	208	300	376	M10	330	216	250	233	465	130	335	519	-	531	198	155
HP72	MG.xx.S.ITA.1.65	1299	-	139	505	-	373	794	382	1226	772	454	300	340*	275	300	393	M10	330	216	250	233	533	130	403	565	313	548	198	155
HP72	MG.xx.S.ITA.1.80	1299	-	139	505	-	373	794	382	1228	774	454	300	340*	275	300	407	M10	330	216	250	233	574	130	444	565	344	562	198	155
HR75A	MG.xx.S.ITA.1.50	1429	-	138	503	-	373	926	396	1027	699	328	254	270	229	300	420	M10	330	216	250	233	465	130	335	525	-	575	210	155
HR75A	MG.xx.S.ITA.1.65	1429	-	138	503	-	373	926	396	1105	777	328	254	270	296	300	420	M10	330	216	250	233	533	130	403	570	313	575	210	155
HR75A	MG.xx.S.ITA.1.80	1429	-	138	503	-	373	926	396	1107	779	328	254	270	296	300	428	M10	330	216	250	233	574	130	444	570	344	583	210	155

(*) Approximate values

(•) Install a counter-flange between the burner and the boiler or in alternative, drill the H hole smaller but higher than the Y point and assemble the blast tube inside the boiler

MECHANICAL OPERATION

Model	Gas train	Operation	HP20		HP30	
			Code	Price €	Code	Price €
MG.AB.S.IT.A.0.25	1"	AB	003070142	-	-	-
MG.AB.L.IT.A.0.25	1"	AB	003070242	-	-	-
MG.PR.S.IT.A.0.25	1"	PR	003070143	-	-	-
MG.PR.L.IT.A.0.25	1"	PR	003070243	-	-	-
MG.MD.S.IT.A.0.25	1"	MD(*)	003070144	-	-	-
MG.MD.L.IT.A.0.25	1"	MD(*)	003070244	-	-	-
MG.AB.S.IT.A.0.32	1"¼	AB	-	-	003070342	-
MG.AB.S.IT.A.0.40	1"½	AB	-	-	003070542	-
MG.PR.S.IT.A.0.32	1"¼	PR	-	-	003070343	-
MG.PR.S.IT.A.0.40	1"½	PR	-	-	003070543	-
MG.MD.S.IT.A.0.32	1"¼	MD(*)	-	-	003070344	-
MG.MD.S.IT.A.0.40	1"½	MD(*)	-	-	003070544	-

Model	Gas train	Operation	HP60		HP65	
			Code	Price €	Code	Price €
MG.AB.S.IT.A.0.32	1"1/4	AB	004070542	-	-	-
MG.AB.S.IT.A.0.40	1"½	AB	004070241	-	008071242	-
MG.AB.S.IT.A.0.50	2"	AB	004070242	-	008071042	-
MG.AB.S.IT.A.0.65	DN65	AB	004070342	-	008071142	-
MG.PR.S.IT.A.0.32	1"1/4	PR	004070543	-	-	-
MG.PR.S.IT.A.0.40	1"½	PR	004070143	-	008071243	-
MG.PR.S.IT.A.0.50	2"	PR	004070243	-	008071043	-
MG.PR.S.IT.A.0.65	DN65	PR	004070343	-	008071143	-
MG.MD.S.IT.A.0.32	1"1/4	MD(*)	004070544	-	-	-
MG.MD.S.IT.A.0.40	1"½	MD(*)	004070144	-	008071244	-
MG.MD.S.IT.A.0.50	2"	MD(*)	004070244	-	008071044	-
MG.MD.S.IT.A.0.65	DN65	MD(*)	004070344	-	008071144	-

■ Burner equipped with external air inlet

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, pages 238)

In compliance with DIRECTIVE 2009/142/CE

In compliance with DIRECTIVE E.M.C. 2004/108/CE and DIRECTIVE B.T. 2006/95/CE



MECHANICAL OPERATION

Model	Gas train	Operation	HP72		HR75A	
			Code	Price €	Code	Price €
MG.AB.S.IT.A.0.40	1"½	AB	008070442		-	
MG.AB.S.IT.A.0.50	2"	AB	008070142		-	
MG.AB.S.IT.A.0.65	DN65	AB	008070242		-	
MG.AB.S.IT.A.0.80	DN80	AB	008070342		-	
MG.AB.S.IT.A.1.40	1"½	AB	008070452		-	
MG.AB.S.IT.A.1.50	2"	AB	008070152		030070452	
MG.AB.S.IT.A.1.65	DN65	AB	008070252		030070452	
MG.AB.S.IT.A.1.80	DN80	AB	008070352		030070652	
MG.PR.S.IT.A.0.40	1"½	PR	008070443		-	
MG.PR.S.IT.A.0.50	2"	PR	008070143		-	
MG.PR.S.IT.A.0.65	DN65	PR	008070243		-	
MG.PR.S.IT.A.0.80	DN80	PR	008070343		-	
MG.PR.S.IT.A.1.40■	1"½	PR	008070453		-	
MG.PR.S.IT.A.1.50■	2"	PR	008070153		030070453	
MG.PR.S.IT.A.1.65■	DN65	PR	008070253		030070553	
MG.PR.S.IT.A.1.80■	DN80	PR	008070353		030070653	
MG.MD.S.IT.A.0.40	1"½	MD(*)	008070444		-	
MG.MD.S.IT.A.0.50	2"	MD(*)	008070144		-	
MG.MD.S.IT.A.0.65	DN65	MD(*)	008070244		-	
MG.MD.S.IT.A.0.80	DN80	MD(*)	008070344		-	
MG.MD.S.IT.A.1.40■	1"½	MD(*)	008070454		-	
MG.MD.S.IT.A.1.50■	2"	MD(*)	008070154		030070454	
MG.MD.S.IT.A.1.65■	DN65	MD(*)	008070254		030070554	
MG.MD.S.IT.A.1.80■	DN80	MD(*)	008070354		030070654	

■ Burner equipped with external air inlet

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, pages 238)

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In compliance with DIRECTIVE E.M.C. 2004/108/CE and DIRECTIVE B.T. 2006/95/CE

ELECTRONIC OPERATION

Model	Gas train	Operation	HP20		HP30	
			Code	Price €	Code	Price €
MG.PR.S.IT.A.1.25.EC	1"	PR	00307015C		-	
MG.PR.L.IT.A.1.25.EC	1"	PR	00307025C		-	
MG.PR.S.IT.A.1.32.EC	1 1/4"	PR	-		00307035C	
MG.MD.S.IT.A.1.25.EC	1"	MD(*)	00307015G		-	
MG.MD.L.IT.A.1.25.EC	1"	MD(*)	00307025G		-	
MG.MD.S.IT.A.1.32.EC	1 1/4"	MD(*)	-		00307035G	

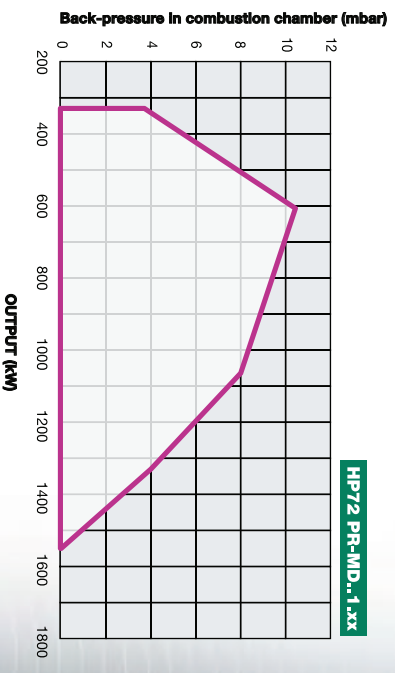
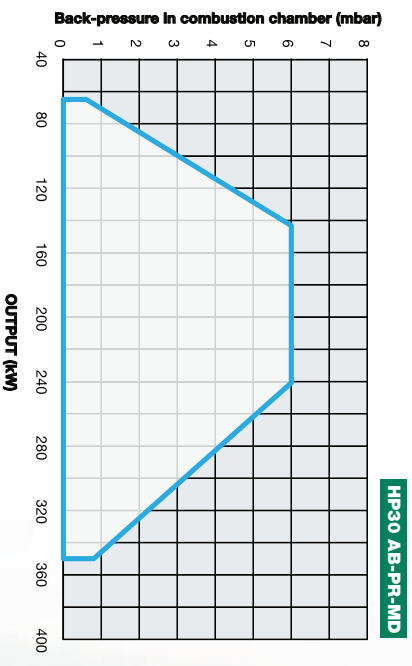
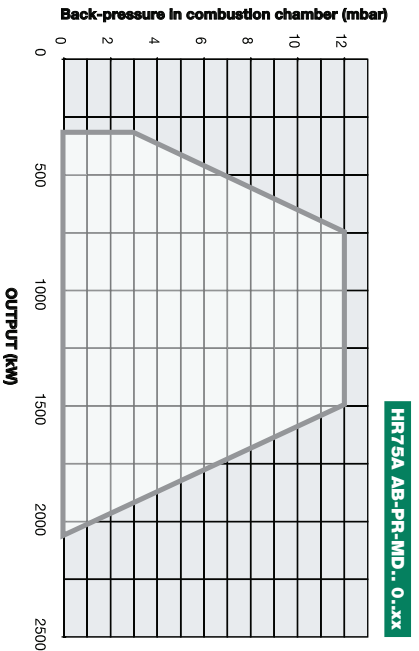
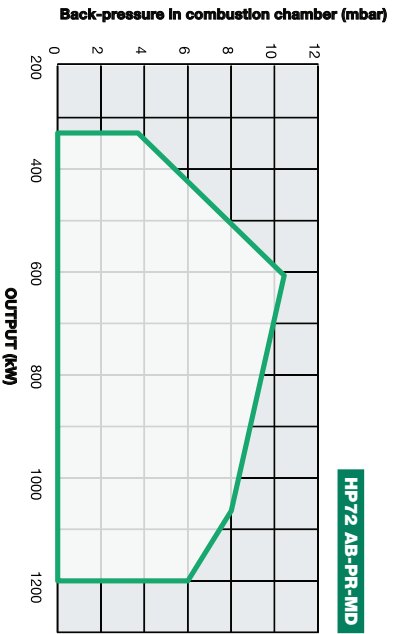
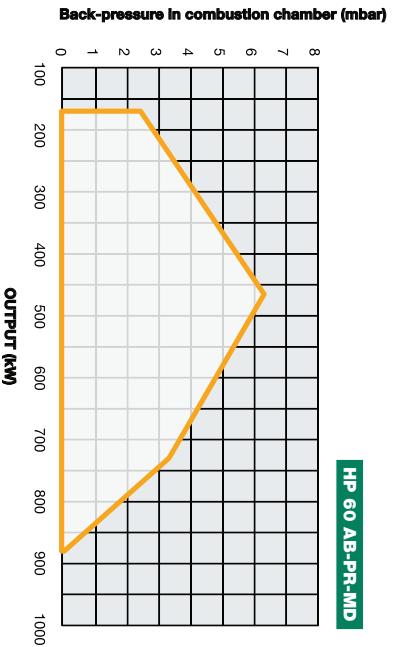
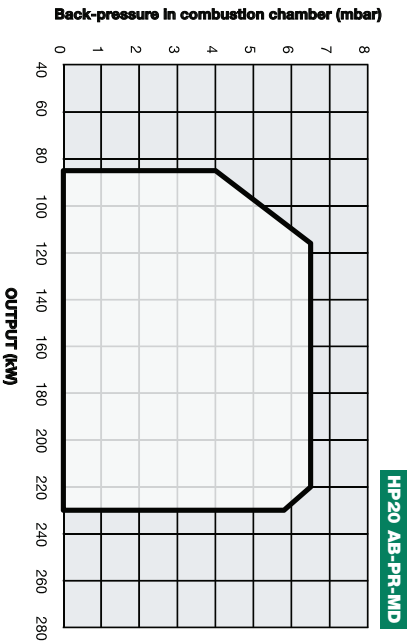
Model	Gas train	Operation	HP60		HP65	
			Code	Price €	Code	Price €
MG.PR.S.IT.A.1.40.EC	1 1/2"	PR	00407015C		00807125C	
MG.PR.S.IT.A.1.50.EC	2"	PR	00407025C		00807105C	
MG.PR.S.IT.A.1.65.EC	DN65	PR	00407035C		00807115C	
MG.MD.S.IT.A.1.40.EC	1 1/2"	MD(*)	00407015G		00807125G	
MG.MD.S.IT.A.1.50.EC	2"	MD(*)	00407025G		00807105G	
MG.MD.S.IT.A.1.65.EC	DN65	MD(*)	00407035G		00807115G	

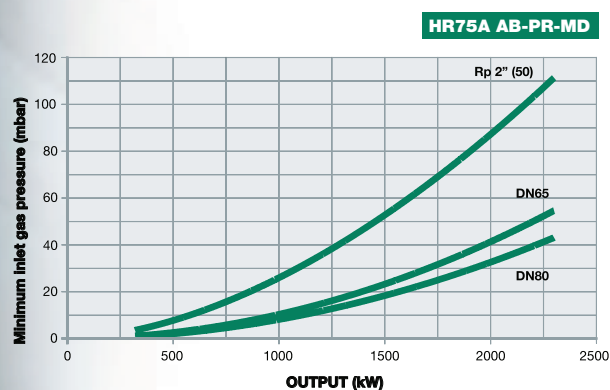
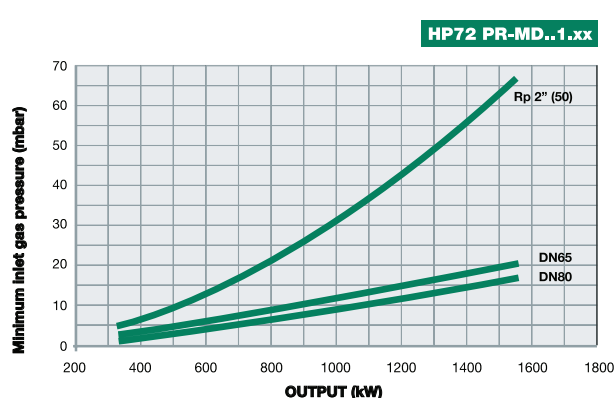
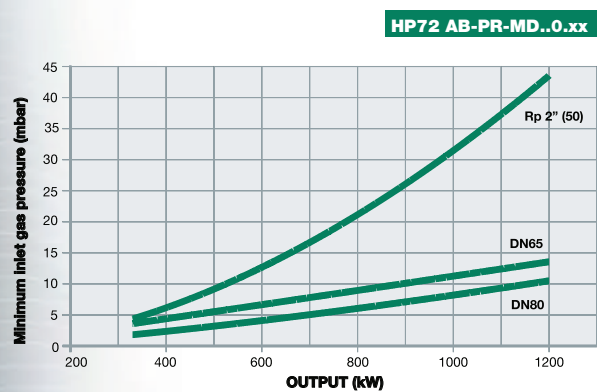
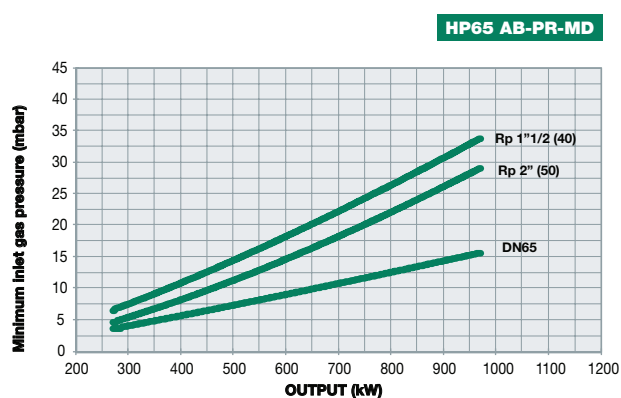
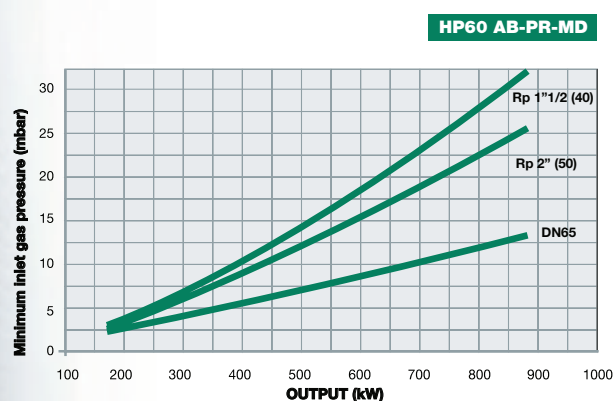
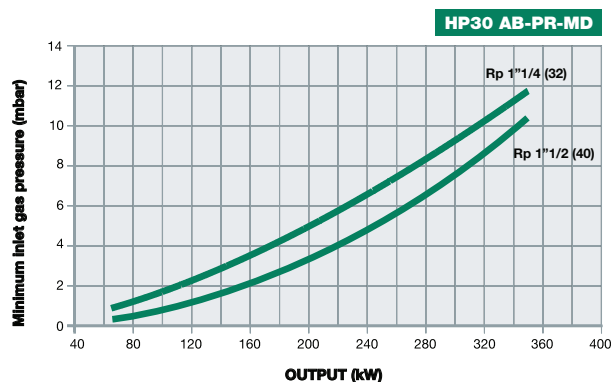
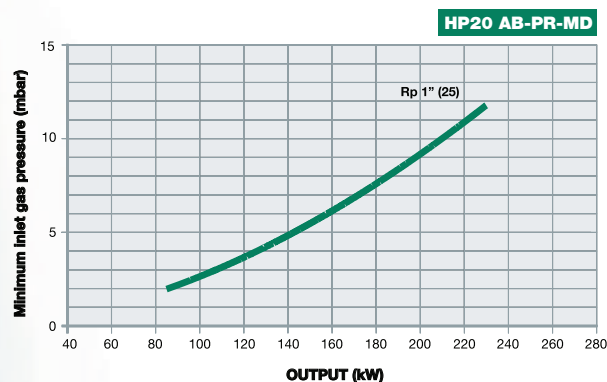
Model	Gas train	Operation	HP72		HR75A	
			Code	Price €	Code	Price €
MG.PR.S.IT.A.1.40.EC	1 1/2"	PR	00807045C		-	
MG.PR.S.IT.A.1.50.EC	2"	PR	00807015C		03007045C	
MG.PR.S.IT.A.1.65.EC	DN65	PR	00807025C		03007055C	
MG.PR.S.IT.A.1.80.EC	DN80	PR	00807035C		03007065C	
MG.MD.S.IT.A.1.40.EC	1 1/2"	MD(*)	00807045G		-	
MG.MD.S.IT.A.1.50.EC	2"	MD(*)	00807015G		03007045G	
MG.MD.S.IT.A.1.65.EC	DN65	MD(*)	00807025G		03007055G	
MG.MD.S.IT.A.1.80.EC	DN80	MD(*)	00807035G		03007065G	

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, pages 238)

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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.