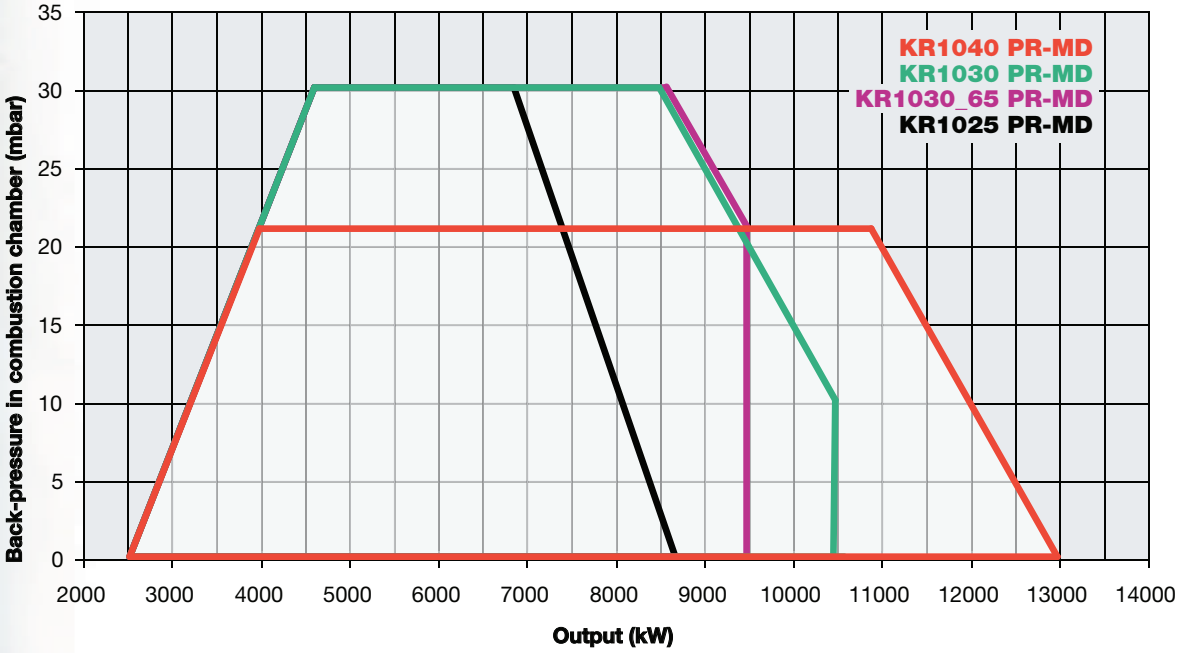
MECHANICAL ATOMIZATION

These burners represent the larger version of KP series, up to 13.000 kW. These burners are equipped with a separate electrical pump motor therefore they can burn gas and oil separately.
As a mat ter of fact the high performance fuel pump is driven by a separate motor which is only running when oil firing is selected. The UV photocell ensures a reliable flame control system.
The burner is provided with a preheating tank equipped with low thermical load electrical resistance to ensure oil fluidity. All burners with progressive or modulating operation, have been built to burn oil whose standard viscosity is 50 cSt at 50°C (7°E at 50°C).
Upon request it is available the version for heavy oil up to 400 cSt at 50°C (50°E at 50°C).

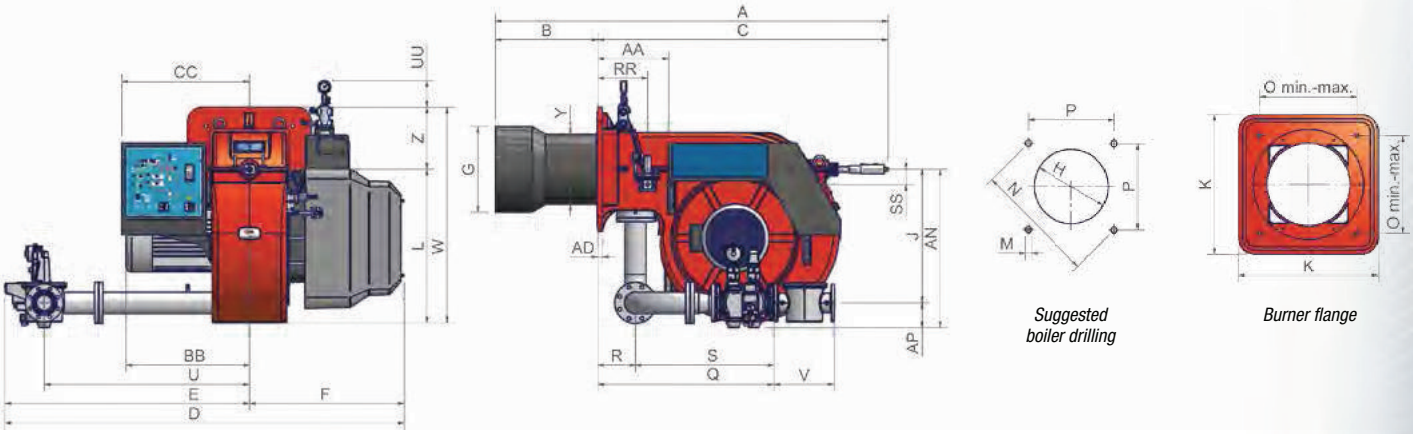
Electronic set up (optional)



TECHNICAL DETAILS

Type	Model	Power kW		Electric power	Fan motor	Pump motor	Resistor	Gas connections
		min.	max.	supply	kW	kW	kW	
KR1025	MN.xx.S.IT.A.1.xx	2.550	8.700	400V 3N ac	18,5	5,5	24 + 24	DN 65 - 80 - 100
KR1030	MN.xx.S.IT.A.1.65	2.550	9.500	400V 3N ac	22,0	5,5	24 + 24	DN 65
KR1030	MN.xx.S.IT.A.1.xx	2.550	10.600	400V 3N ac	22,0	5,5	24 + 24	DN 80 - 100
KR1040	MN.xx.x.IT.A.1.xx	2.550	13.000	400V 3N ac	30,0	5,5	24 + 24	DN 80 - 100 - 125

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



Suggested boiler drilling

Burner flange

Type	Packaging dimensions* (mm)			
	l	*p*	*h*	kg
KR1025/KR1030	2270	1720	1320	760
KR1030/KR1040	2270	1720	1320	780
Gruppo di spinta**	1170	770	1610	

(*) Approximate values
(**) Fornito su telaio

Type	Model	Overall dimensions* (mm)																														
		A	AA	AD	AN	AP	B	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	RR	S	SS	U	UU	V	W	Y	Z
KR1025	MN.xx.S.IT.A.1.65	2088	377	25	827	118	544	641	1544	680	2121	1299	822	400	450	709	660	816	M16	651	460	460	914	200	265	714	80	1092	142	292	1146	379	330
KR1025	MN.xx.S.IT.A.1.80	2088	377	25	841	132	544	641	1544	680	2123	1301	822	400	450	709	660	816	M16	651	460	460	936	200	265	736	80	1092	142	322	1146	379	330
KR1025	MN.xx.S.IT.A.1.100	2088	377	25	854	145	544	641	1544	680	2139	1317	822	400	450	709	660	816	M16	651	460	460	842	200	265	642	80	1092	142	382	1146	379	330
KR1030	MN.xx.S.IT.A.1.65	2088	377	25	827	118	544	657	1544	680	2121	1299	822	454	504	709	660	816	M16	651	460	460	914	200	265	714	80	1092	142	292	1146	372	330
KR1030	MN.xx.S.IT.A.1.80	2088	377	25	841	132	544	657	1544	680	2123	1301	822	454	504	709	660	816	M16	651	460	460	936	200	265	736	80	1092	142	322	1146	372	330
KR1030	MN.xx.S.IT.A.1.100	2088	377	25	854	145	544	657	1544	680	2139	1317	822	454	504	709	660	816	M16	651	460	460	842	200	265	642	80	1092	142	382	1146	372	330
KR1040	MN.xx.S.IT.A.1.80	2106	377	25	841	132	544	657	1562	680	2123	1301	822	514	564	709	660	816	M16	651	460	460	936	200	265	736	80	1192	142	322	1146	408	330
KR1040	MN.xx.S.IT.A.1.100	2106	377	25	854	145	544	657	1562	680	2139	1317	822	514	564	709	660	816	M16	651	460	460	842	200	265	642	80	1192	142	382	1146	408	330
KR1040	MN.xx.S.IT.A.1.125	2106	377	25	884	175	544	657	1562	680	2254	1432	822	514	564	709	660	816	M16	651	460	460	954	200	265	754	80	1192	142	480	1146	408	330

(*) Approximate values

MECHANICAL ATOMIZATION

MECHANICAL OPERATION

Model	Gas train	Operation	KR1025 Code	KR1025 Price €	KR1030 Code	KR1030 Price €	KR1040 Code	KR1040 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.PR.S.IT.A.1.65	DN65	PR	023081653		023081953		-	
MN.PR.S.IT.A.1.80	DN80	PR	023081753		023082053		023082253	
MN.PR.S.IT.A.1.100	DN100	PR	023081853		023082153		023082353	
MN.PR.S.IT.A.1.125	DN125	PR	-		-		023082453	
MN.MD.S.IT.A.1.65	DN65	MD(*)	023081654		023081954		-	
MN.MD.S.IT.A.1.80	DN80	MD(*)	023081754		023082054		023082254	
MN.MD.S.IT.A.1.100	DN100	MD(*)	023081854		023082154		023082354	
MN.MD.S.IT.A.1.125	DN125	MD(*)	-		-		023082454	
HEAVY OIL 400 cSt at 50° (50°E at 50°C)								
MD.PR.S.IT.A.1.65	DN65	PR	023191653		023191953		-	
MD.PR.S.IT.A.1.80	DN80	PR	023191753		023192053		023192253	
MD.PR.S.IT.A.1.100	DN100	PR	023191853		023192153		023192353	
MD.PR.S.IT.A.1.125	DN125	PR	-		-		023192453	
MD.MD.S.IT.A.1.65	DN65	MD(*)	023191654		023191954		-	
MD.MD.S.IT.A.1.80	DN80	MD(*)	023191754		023192054		023192254	
MD.MD.S.IT.A.1.100	DN100	MD(*)	023191854		023192154		023192354	
MD.MD.S.IT.A.1.125	DN125	MD(*)	-		-		023192454	

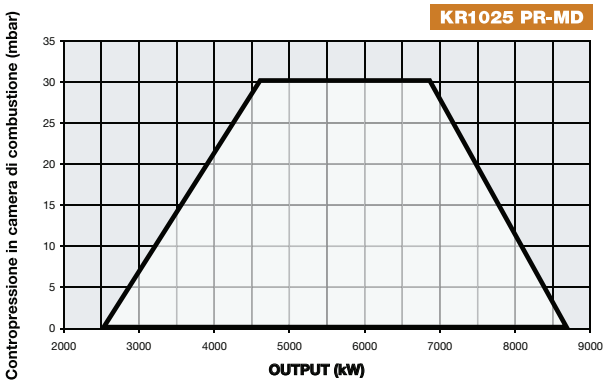
ELECTRONIC OPERATION

Model	Gas train	Operation	KR1025 Code	KR1025 Price €	KR1030 Code	KR1030 Price €	KR1040 Code	KR1040 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.MD.S.IT.A.1.65.ES	DN65	MD(*)	02308165S		02308195S		-	
MN.MD.S.IT.A.1.80.ES	DN80	MD(*)	02308175S		02308205S		02308225S	
MN.MD.S.IT.A.1.100.ES	DN100	MD(*)	02308185S		02308215S		02308235S	
MN.MD.S.IT.A.1.125.ES	DN125	MD(*)	-		-		02308245S	
HEAVY OIL 400 cSt at 50° (50°E at 50°C)								
MD.MD.S.IT.A.1.65.ES	DN65	MD(*)	02319165S		02319195S		-	
MD.MD.S.IT.A.1.80.ES	DN80	MD(*)	02319175S		02319205S		02319225S	
MD.MD.S.IT.A.1.100.ES	DN100	MD(*)	02319185S		02319215S		02319235S	
MD.MD.S.IT.A.1.125.ES	DN125	MD(*)	-		-		02319245S	

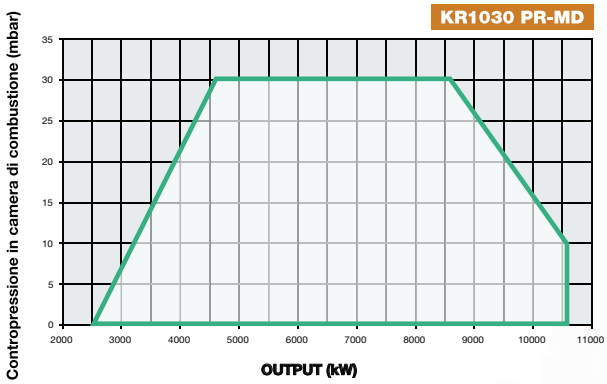
(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 238)
In compliance with DIRECTIVE 2009/142/CE
In compliance with DIRECTIVE E.M.C. 2004/108/CE and DIRECTIVE B.T. 2006/95/CE

MECHANICAL ATOMIZATION

KR1025 PR-MD



KR1030 PR-MD



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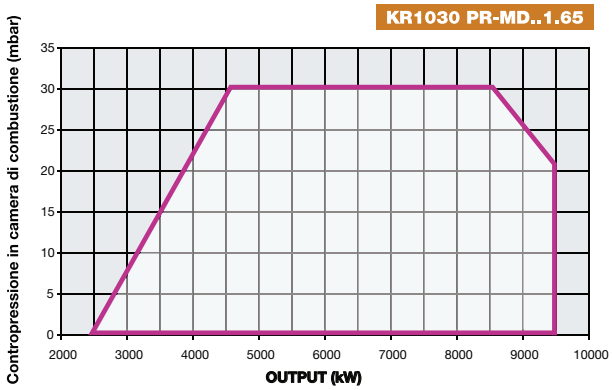
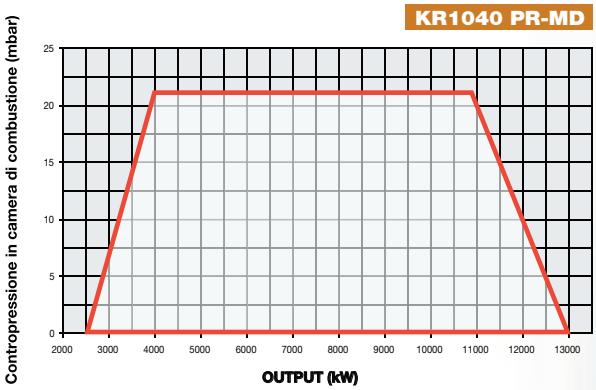
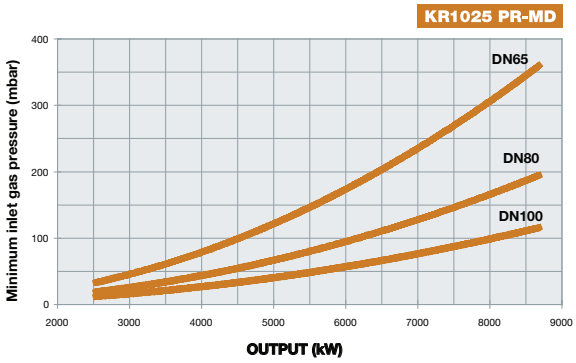


KR1040 PR-MD



KR1025 PR-MD



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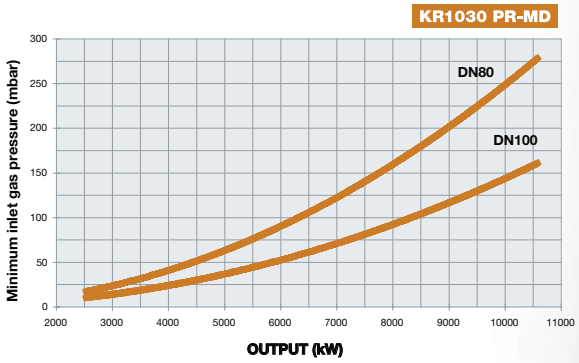

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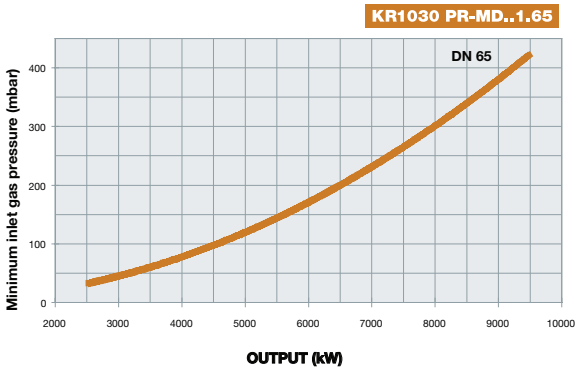
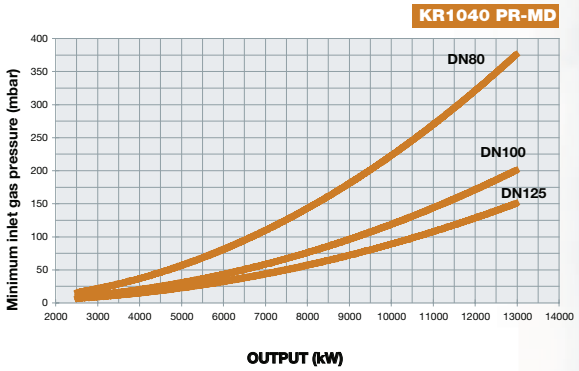


KR1040 PR-MD



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.