

KRBY1025 KRBY1030 KRBY1040 **mille** SERIES

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

This particular GAS/HEAVY OIL burners series has been developed in order to use compressed air or, alternatively, steam as a fluid to atomize the fuel, with the aim to achieve a better combustion result compared to the one gained using the traditional atomizing systems.

These burners are provided with a low pressure nozzle which allows consumption levels to be kept low and which also limits the general wear of the whole atomization system.

All burners are progressive and are completed with an electrical control cabinet and with a pump oil to be installed by the final user. Furthermore, the nozzle performs an automatic cleaning process at the end of each cycle.

The plant must be provided with compressed air or steam at 6-10 bar. Burners are ignited through a pilot which can work either with natural gas or LPG and are suitable to be used with fuels with a viscosity up to 4.000 cSt at 50°C (530°E at 50°).

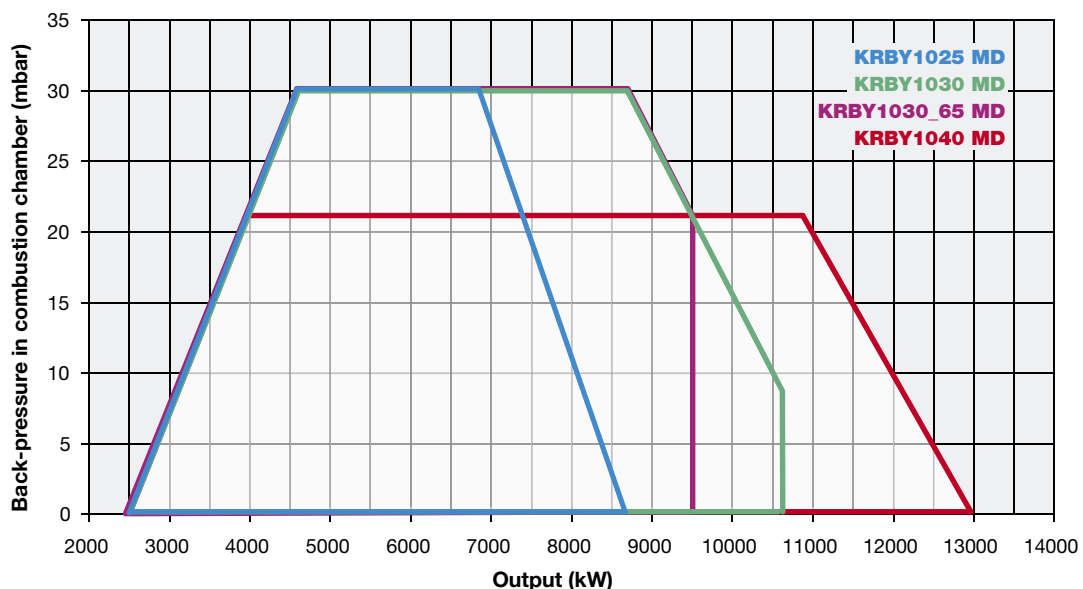
The standard version of burners is set up to atomize with compressed air only; when steam is requested for the atomization, the burner will be modified through a specific kit.

However, compressed air must be always present at the burner in the following cases:

- cold start ups when no steam is available.
- valve opening for automatic nozzle cleaning.



Oil pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner).



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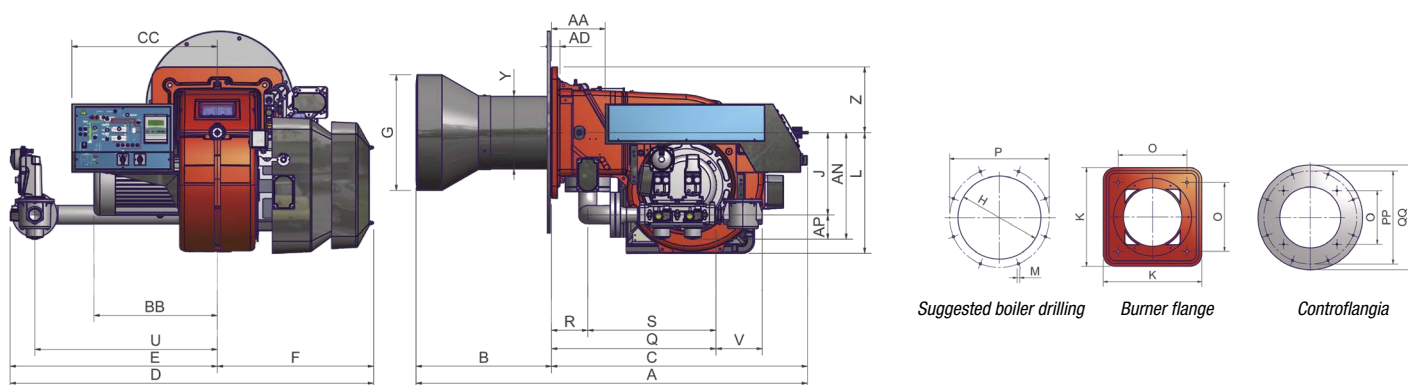
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GAS/HEAVY OIL

TECHNICAL DETAILS

Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor kW	Pump motor kW	Resistor kW	Gas connections	Noise level dBA
		min.	max.							
KRBY1025	MH.xx.S.xx.A.1.xxx.xx	2.550	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	0,75	24	DN65 - DN80 - DN100	82,2
KRBY1030	MH.H.xx.S.xx.1.65.xx	2.550	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	1,10	18+18	DN65	85,6
KRBY1030	MH.xx.S.xx.A.1.xxx.xx	2.550	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	1,10	18+18	DN80 - DN100	85,6
KRBY1040	MH.xx.S.xx.A.1.xxx.xx	2.550	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	1,10	24+24	DN80 - DN100 - DN125	85,6

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



Low pressure pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner).

Type	Model	Overall dimensions (mm)																											
		A	AA	AN	AP	B*	BB	C	CC	D	E	F	G	J	H	K	L	M	O	P	Q	R	S	U	V	Z	Y	PP	QQ
KRBY1025	MH.xx.x.xx.1.65	2095	377	816	118	551	641	1544	680	2121	1299	822	572	494	632	660	816	M16	460	800	914	200	714	1092	292	270	379	800	900
KRBY1025	MH.xx.x.xx.1.80	2095	377	816	132	551	641	1544	680	2123	1301	822	572	494	632	660	816	M16	460	800	936	200	736	1092	322	270	379	800	900
KRBY1025	MH.xx.x.xx.1.100	2095	377	816	145	551	641	1544	680	2139	1317	822	572	494	632	660	816	M16	460	800	942	200	642	1092	382	270	379	800	900
KRBY1030	MH.xx.x.xx.1.65	2124	377	816	118	580	657	1544	680	2121	1299	822	600	494	660	660	816	M16	460	800	914	200	714	1092	292	270	384	800	900
KRBY1030	MH.xx.x.xx.1.80	2124	377	816	132	580	657	1544	680	2123	1301	822	600	494	660	660	816	M16	460	800	936	200	736	1092	322	270	384	800	900
KRBY1030	MH.xx.x.xx.1.100	2124	377	816	145	580	657	1544	680	2139	1317	822	600	494	600	660	816	M16	460	800	942	200	642	1092	382	270	384	800	900
KRBY1040	MH.xx.x.xx.1.80	2133	377	816	118	571	657	1562	680	2123	1301	822	671	494	731	660	816	M16	460	800	914	200	736	1092	292	270	384	800	900
KRBY1040	MH.xx.x.xx.1.100	2133	377	816	132	571	657	1562	680	2129	1317	822	671	494	731	660	816	M16	460	800	936	200	842	1092	322	270	384	800	900
KRBY1040	MH.xx.x.xx.1.125	2133	377	816	145	571	657	1562	680	2254	1432	822	671	494	731	660	816	M16	460	800	942	200	642	1192	382	270	384	800	900

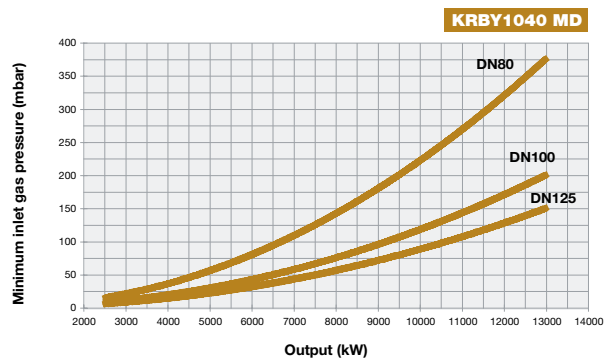
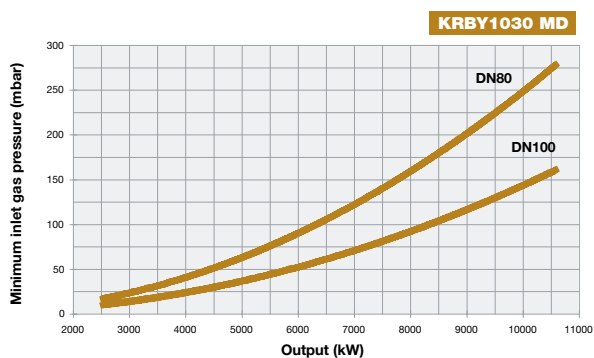
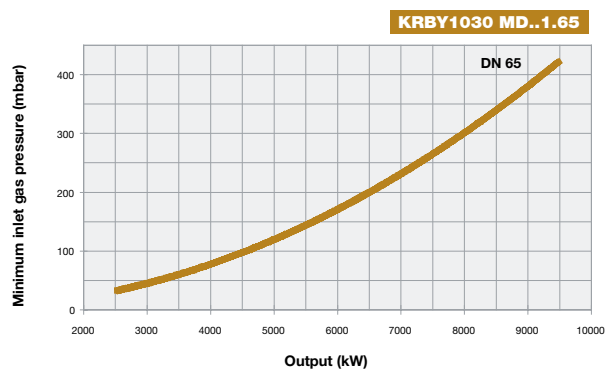
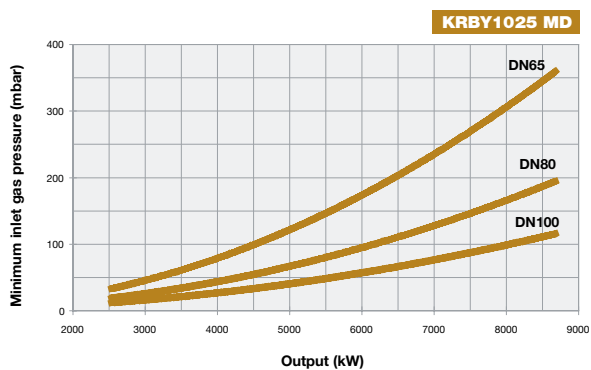
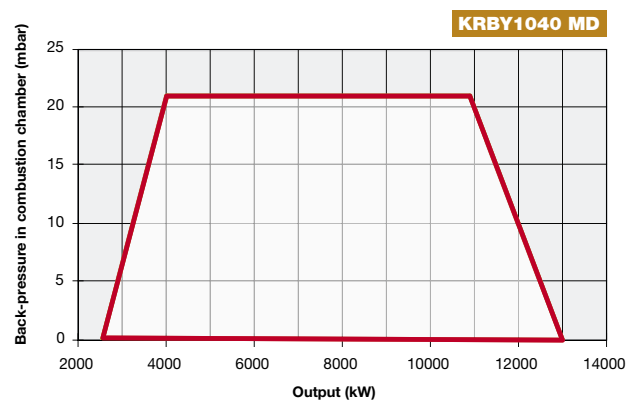
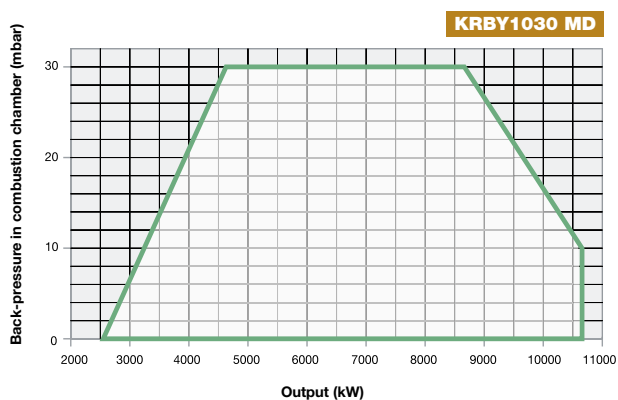
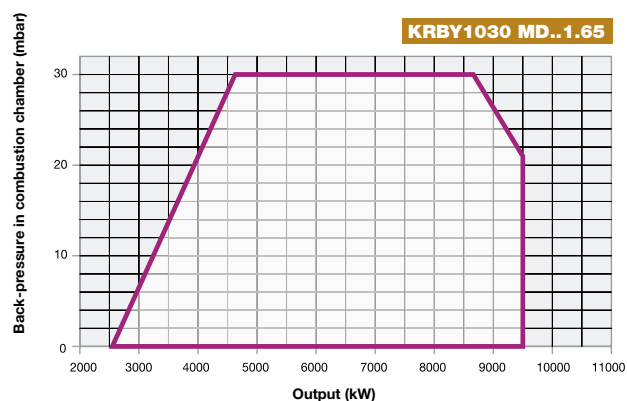
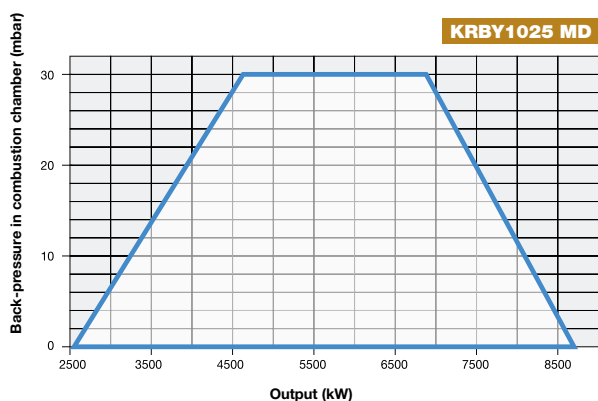
Approximate values

The dimensions B are reduced by 25 mm with counterflange and gasket.

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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.