

# CINQUECENTO SERIES K590X K750X...xR



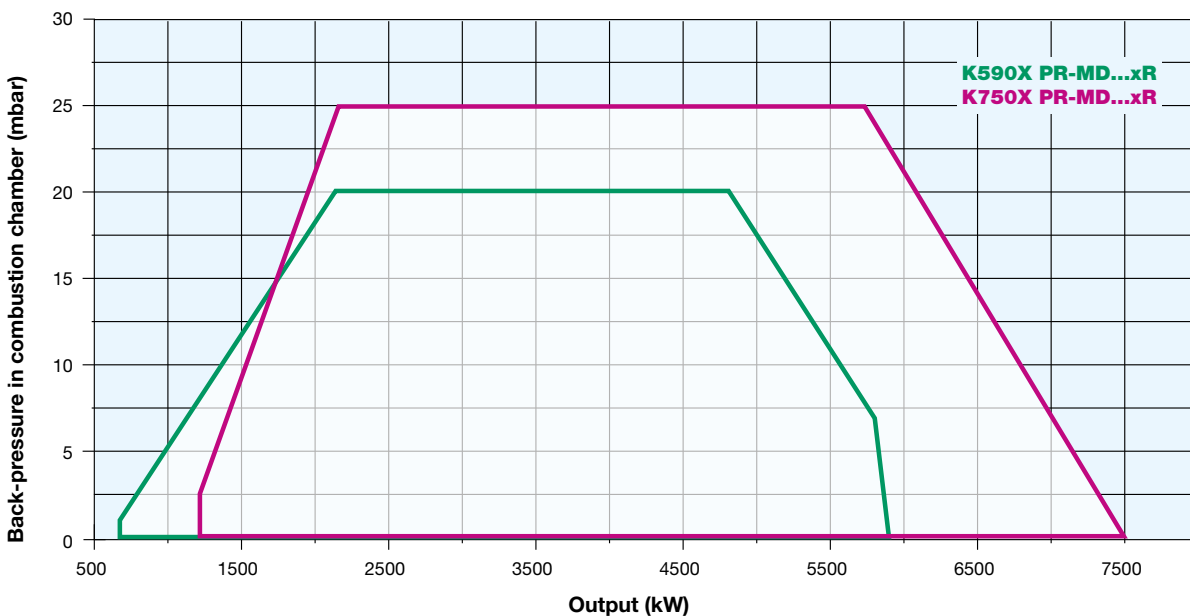
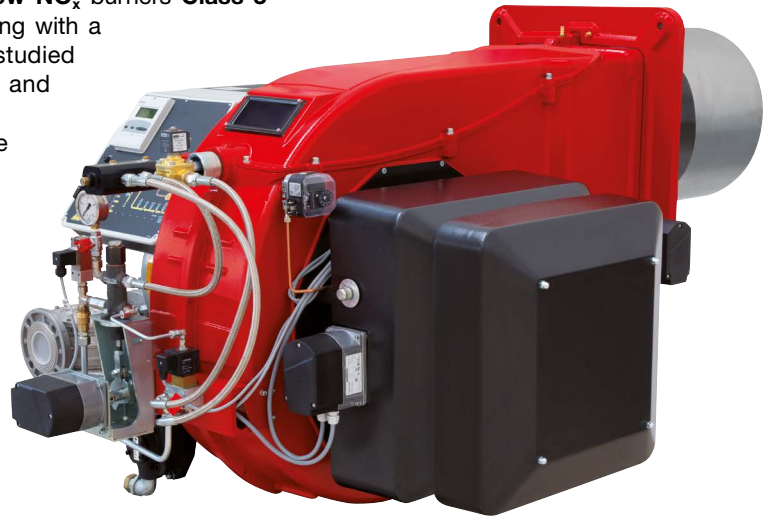
GAS/LIGHT OIL

NEW

The new K type CINQUECENTO series **Low NO<sub>x</sub> burners Class 3 (< 80 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 these 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 an 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.

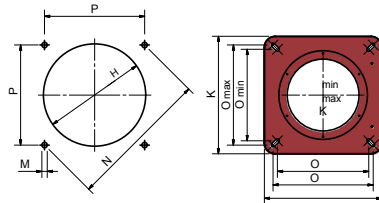
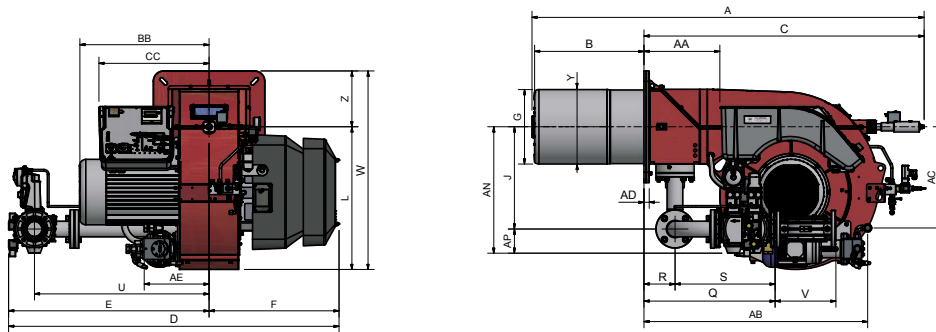




## TECHNICAL DETAILS

Type	Model	Power kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Gas connections	Noise level
		min.	max.			kW	kW		dBA
<b>K590X</b>	MG.xx.xR.xx.A.1.xxx	670	5.900	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	15,0	1,5	DN65 - DN80 - DN100 - DN125	< 85
<b>K750X</b>	MG.xx.xR.xx.A.1.xxx	860	7.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	15,0	2,2	DN65 - DN80 - DN100 - DN125	< 85

For the configuration of the gas train, see pages 116-117.



Suggested boiler drilling

Burner flange

Type	Packaging dimensions (mm)			
	l	p	h	kg
<b>K590X</b>	2180	1450	1220	495
<b>K750X</b>	2180	1450	1220	530

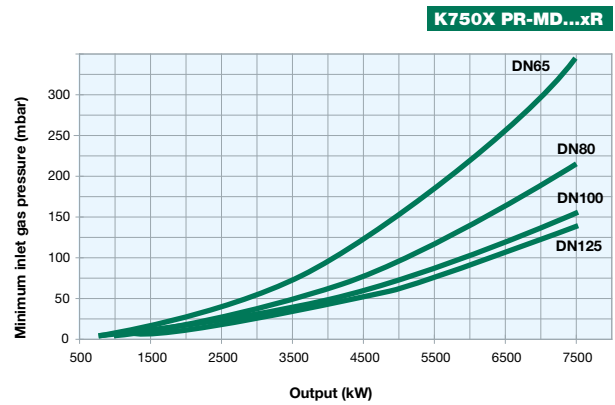
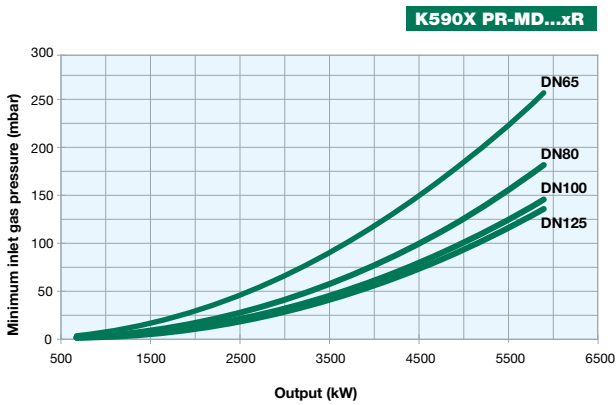
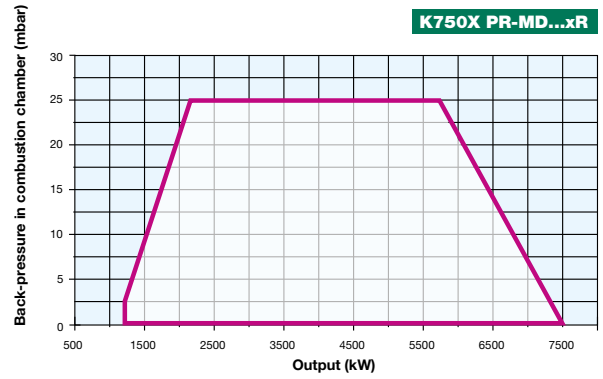
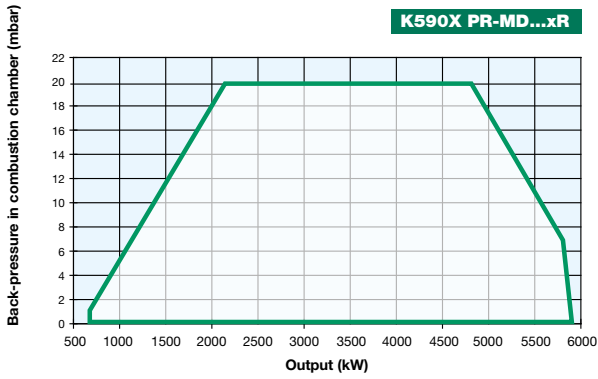
Approximate values

Type	Model	Overall dimensions (mm)																																		
		AS	AL	AA	AB	AC	AD	AE	AN	AP	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	
<b>K590X</b>	MG.xx.xR.xx.A.1.65	1785	1885	366	1082	670	25	314	611	117	430	530	626	1355	524	1595	969	626	360	400	494	540	690	M16	651	460	460	460	636	150	487	845	292	960	356	270
<b>K590X</b>	MG.xx.xR.xx.A.1.80	1785	1885	366	1082	670	25	314	626	132	430	530	626	1355	524	1628	1002	626	360	400	494	540	690	M16	651	460	460	460	687	150	538	875	313	960	356	270
<b>K590X</b>	MG.xx.xR.xx.A.1.100	1785	1885	366	1082	670	25	314	639	145	430	530	626	1355	524	1708	1082	626	360	400	494	540	690	M16	651	460	460	460	791	150	642	942	353	960	356	270
<b>K590X</b>	MG.xx.xR.xx.A.1.125	1785	1885	366	1082	670	25	314	738	175	430	530	626	1355	524	1973	1347	626	360	400	562	540	690	M16	651	460	460	904	150	754	1192	479	960	356	270	
<b>K750X</b>	MG.xx.xR.xx.A.1.65	1785	1885	366	1073	670	25	300	611	117	430	530	626	1355	524	1595	969	626	419	470	494	540	690	M16	651	460	460	636	150	487	845	292	960	336	270	
<b>K750X</b>	MG.xx.xR.xx.A.1.80	1785	1885	366	1073	670	25	300	626	132	430	530	626	1355	524	1628	1002	626	419	470	494	540	690	M16	651	460	460	687	150	538	875	313	960	336	270	
<b>K750X</b>	MG.xx.xR.xx.A.1.100	1785	1885	366	1073	670	25	300	639	145	430	530	626	1355	524	1708	1082	626	419	470	494	540	690	M16	651	460	460	791	150	642	942	353	960	336	270	
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Approximate values



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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.