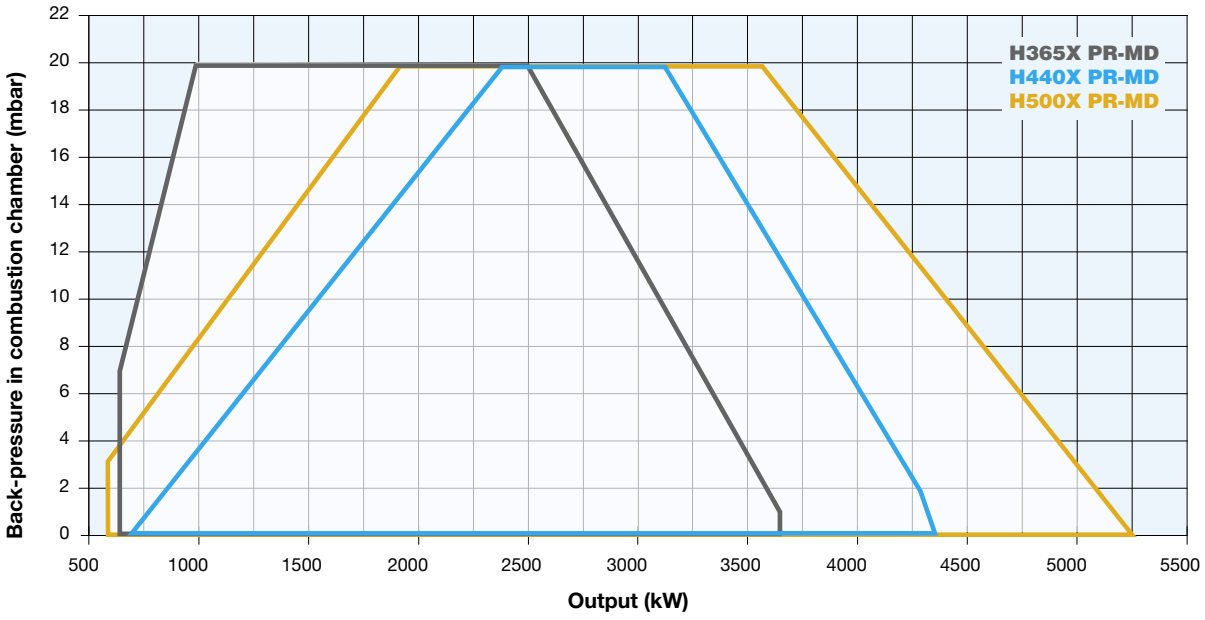
cinquecento SERIES H365X H440X H500X

NEW

GAS/LIGHT OIL

The new H type CINQUECENTO series **Low NO_x** burners (gas side < 80 mg/kWh Class 3 EN676), 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 this 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 a 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.

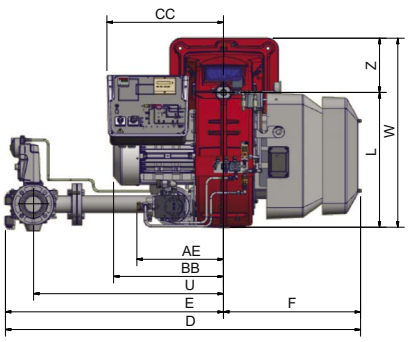


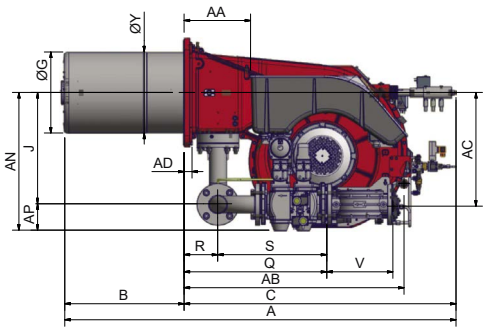


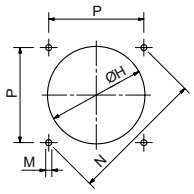
TECHNICAL DETAILS

Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Gas connections	Noise level
		min.	max.			kW	kW	Rp	dBA
H365X	MG.xx.xR.xx.A.1.xxx	650	3.650	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	1,1	2" - DN65 - DN80 - DN100	< 85
H440X	MG.xx.xR.xx.A.1.xxx	700	4.400	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	9,2	1,5	2" - DN65 - DN80 - DN100	< 85
H500X	MG.xx.xR.xx.A.1.xxx	580	5.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	9,2	1,5	2" - DN65 - DN80 - DN100	< 85

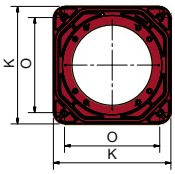
For the configuration of the gas train, see page 112-113.







Suggested boiler drilling



Burner flange

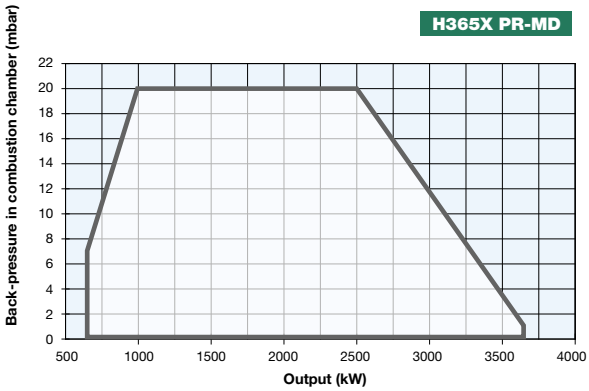
Type	Packaging dimensions (mm)			
	l	p	h	kg
H365X	1890	1290	1220	360
H440X	1890	1290	1220	410
H500X	1890	1290	1220	415

Approximate values (regarding model with gas train DN80)

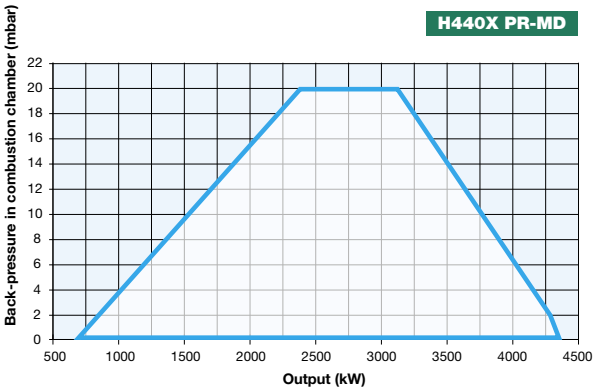
Type	Model	Overall dimensions (mm)																																		
		AS	AL	AA	AB	AC	AD	AE	AN	AP	BS	BL	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	U	V	W	Y	Z
H365X	MG.xx.xR.xx.A.1.50	1640	1740	295	1024	419	25	210	595	100	430	530	471	1210	511	1554	946	608	284	316	494	540	586	M14	552	390	390	764	150	613	845	190	856	284	270
H365X	MG.xx.xR.xx.A.1.65	1640	1740	295	1024	419	25	210	611	117	430	530	471	1210	511	1577	969	608	284	316	494	540	586	M14	552	390	390	634	150	484	845	294	856	284	270
H365X	MG.xx.xR.xx.A.1.80	1640	1740	295	1024	419	25	210	626	132	430	530	471	1210	511	1610	1002	608	284	316	494	540	586	M14	552	390	390	686	150	535	875	313	856	284	270
H365X	MG.xx.xR.xx.A.1.100	1640	1740	295	1024	419	25	210	639	145	430	530	471	1210	511	1690	1082	608	284	316	494	540	586	M14	552	390	390	791	150	642	942	353	856	284	270
H440X	MG.xx.xR.xx.A.1.50	1640	1740	295	1024	419	25	210	595	100	430	530	488	1210	511	1554	946	608	328	370	494	540	586	M14	552	390	390	764	150	613	845	190	856	328	270
H440X	MG.xx.xR.xx.A.1.65	1640	1740	295	1024	419	25	210	611	117	430	530	488	1210	511	1577	969	608	328	370	494	540	586	M14	552	390	390	634	150	484	845	294	856	328	270
H440X	MG.xx.xR.xx.A.1.80	1640	1740	295	1024	419	25	210	626	132	430	530	488	1210	511	1610	1002	608	328	370	494	540	586	M14	552	390	390	686	150	535	875	313	856	328	270
H440X	MG.xx.xR.xx.A.1.100	1640	1740	295	1024	419	25	210	639	145	430	530	488	1210	511	1690	1082	608	328	370	494	540	586	M14	552	390	390	791	150	642	942	353	856	328	270
H500X	MG.xx.xR.xx.A.1.50	1640	1740	295	1024	419	25	217	595	100	430	530	488	1210	511	1554	946	608	360	410	494	540	586	M14	552	390	390	764	150	613	845	190	856	356	270
H500X	MG.xx.xR.xx.A.1.65	1640	1740	295	1024	419	25	217	611	117	430	530	488	1210	511	1577	969	608	360	410	494	540	586	M14	552	390	390	634	150	484	845	294	856	356	270
H500X	MG.xx.xR.xx.A.1.80	1640	1740	295	1024	419	25	217	626	132	430	530	488	1210	511	1610	1002	608	360	410	494	540	586	M14	552	390	390	686	150	535	875	313	856	356	270
H500X	MG.xx.xR.xx.A.1.100	1640	1740	295	1024	419	25	217	639	145	430	530	488	1210	511	1690	1082	608	360	410	494	540	586	M14	552	390	390	791	150	642	942	353	856	356	270

Approximate values

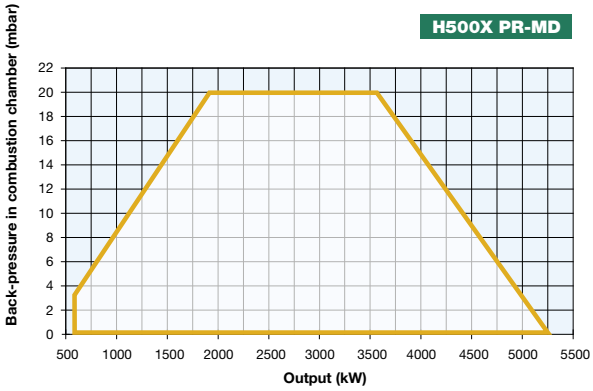
H365X PR-MD



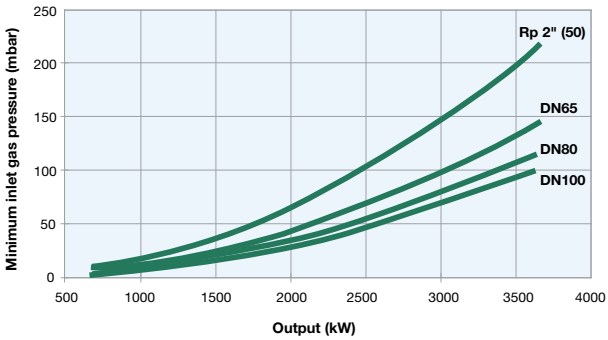
H440X PR-MD



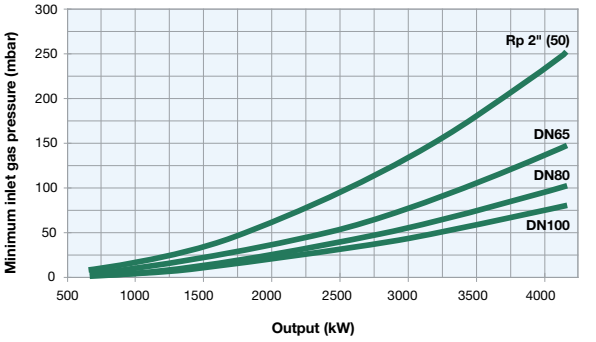
H500X PR-MD



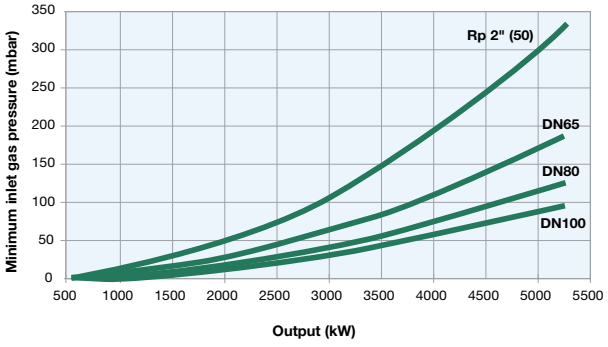
H365X PR-MD



H440X PR-MD



H500X 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.