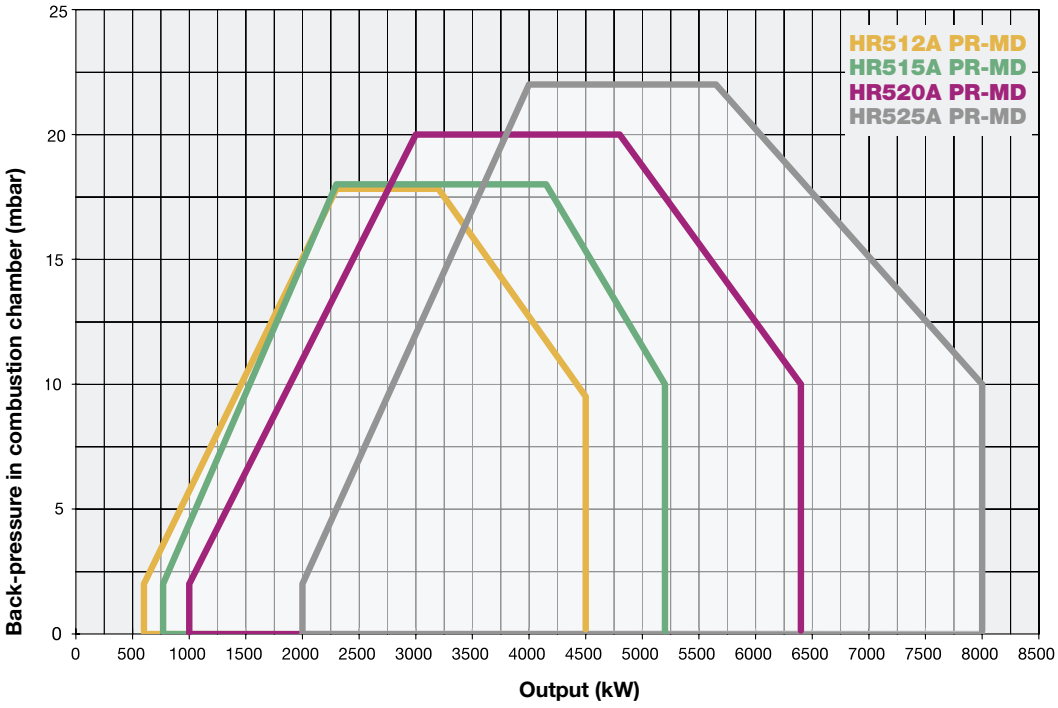
CIB UNIGAS >80 <120 mg/kWh CLASS 2 Low NOx

HR512A HR515A HR520A HR525A

cinquecento SERIES



The CINQUECENTO series, available in both progressive and modulating operations, represents the culmination of our experience in the field of medium-large capacity burners (up to 8.000 kW).
Like all the other dual fuels models, this series perfectly combines the mechanical devices and systems typical of gas burners with the ones of light oil burners. 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. Conversely, 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.
The control panel is printed with a mimic diagram fitted with neon lamps to indicate the different stages of burners operation and any abnormalities. Therefore, the burners are provided with an UV photocell to control the flame during the operation.



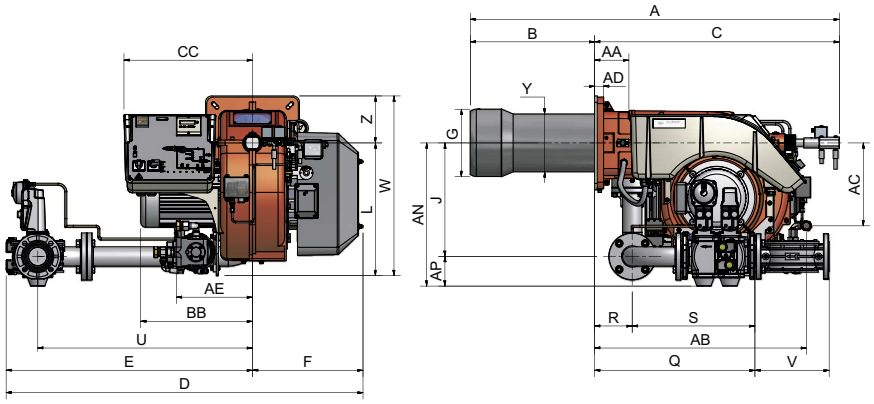
HR512A HR515A HR520A HR525A

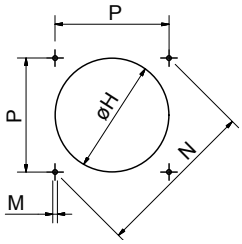
GAS/LIGHT OIL

TECHNICAL DETAILS

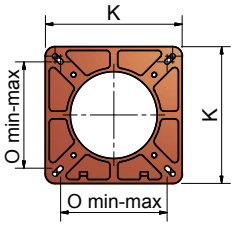
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Gas connections	Noise level
		min.	max.			kW	kW	Rp	dBA
HR512A	MG.xx.S.xx.A.1.xxx	600	4.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	9,2	1,1	2" - DN65 - DN80 - DN100	81,7
HR515A	MG.xx.S.xx.A.1.xxx	770	5.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	11,0	1,5	2" - DN65 - DN80 - DN100	82,3
HR520A	MG.xx.S.xx.A.1.xxx	1.000	6.400	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	15,0	1,5	2" - DN65 - DN80 - DN100	83,2
HR525A	MG.xx.S.xx.A.1.xxx	2.000	8.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	3,0	DN65 - DN80 - DN100 A	84,9

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





Suggested boiler drilling



Burner flange

Type	Packaging dimensions (mm)			
	l	p	h	kg
HR512A	1.730	1.430	1.130	340
HR515A	1.730	1.430	1.130	360
HR520A	1.730	1.430	1130	375
HR525A	1.800	1.500	1.300	400

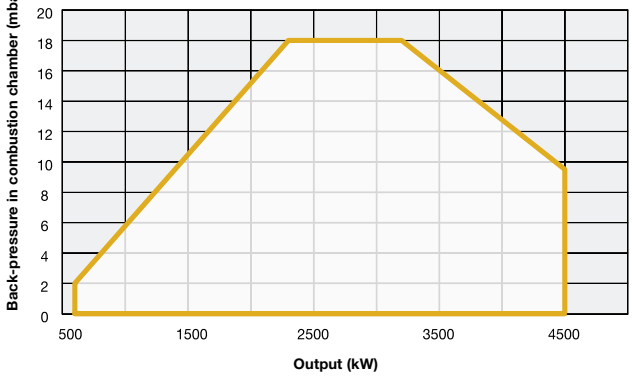
Approximate values

Type	Model	Overall dimensions (mm)																														
		A	AA	AB	AC	AD	AE	AN	B	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	U	V	W	Y	Z
HR512A	MG.xx.S.xx.A.1.50	1669	220	924	364	35	348	595	530	517	1139	532	1590	946	644	340	380	494	540	494	M14	552	390	390	763	149	614	845	190	830	328	270
HR512A	MG.xx.S.xx.A.1.65	1669	220	924	364	35	348	611	530	517	1139	532	1613	969	644	340	380	494	540	494	M14	552	390	390	636	149	487	845	292	830	328	270
HR512A	MG.xx.S.xx.A.1.80	1669	220	924	364	35	348	626	530	517	1139	532	1645	1002	644	340	380	494	540	494	M14	552	390	390	687	149	538	875	313	830	328	270
HR512A	MG.xx.S.xx.A.1.100	1669	220	924	364	35	348	639	530	517	1139	532	1726	1082	644	340	380	494	540	494	M14	552	390	390	791	149	642	942	353	830	328	270
HR515A	MG.xx.S.xx.A.1.50	1669	220	928	371	35	348	595	530	517	1139	532	1590	946	644	380	420	494	540	494	M14	552	390	390	763	149	614	845	190	830	328	270
HR515A	MG.xx.S.xx.A.1.65	1669	220	928	371	35	348	611	530	517	1139	532	1613	969	644	380	420	494	540	494	M14	552	390	390	636	149	487	845	292	830	328	270
HR515A	MG.xx.S.xx.A.1.80	1669	220	928	371	35	348	626	530	517	1139	532	1645	1002	644	380	420	494	540	494	M14	552	390	390	687	149	538	875	313	830	328	270
HR515A	MG.xx.S.xx.A.1.100	1669	220	928	371	35	348	639	530	517	1141	532	1726	1082	644	380	420	494	540	494	M14	552	390	390	791	149	642	942	353	830	328	270
HR520A	MG.xx.S.xx.A.1.50	1671	220	928	371	35	348	595	530	517	1141	532	1590	946	644	400	450	494	540	494	M14	552	390	390	763	149	614	845	190	830	328	270
HR520A	MG.xx.S.xx.A.1.65	1671	220	928	371	35	348	611	530	517	1141	532	1613	969	644	400	450	494	540	494	M14	552	390	390	636	149	487	845	292	830	328	270
HR520A	MG.xx.S.xx.A.1.80	1671	220	928	371	35	348	626	530	517	1141	532	1645	1002	644	400	450	494	540	494	M14	552	390	390	687	149	538	875	313	830	328	270
HR520A	MG.xx.S.xx.A.1.100	1671	220	928	371	35	348	639	530	517	1141	532	1726	1082	644	400	450	494	540	494	M14	552	390	390	791	149	642	942	353	830	328	270
HR525A	MG.xx.S.xx.A.1.65	1671	220	928	580	35	348	611	530	650	1141	650	1613	969	644	434	484	494	540	494	M14	552	390	390	636	149	487	845	292	874	328	270
HR525A	MG.xx.S.xx.A.1.80	1671	220	884	580	35	348	626	530	650	1141	650	1645	1002	644	434	484	494	540	494	M14	552	390	390	687	149	538	875	313	874	328	270
HR525A	MG.xx.S.xx.A.1.100	1671	220	884	580	35	348	639	530	650	1141	650	1726	1082	644	434	484	494	540	494	M14	552	390	390	792	149	642	942	353	874	328	270

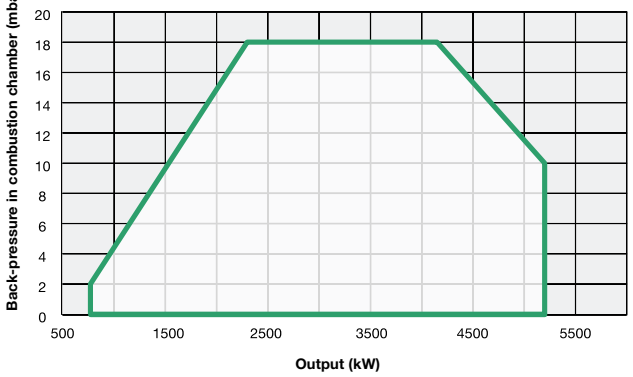
Approximate values

HR512A HR515A HR520A HR525A cinquecento SERIES

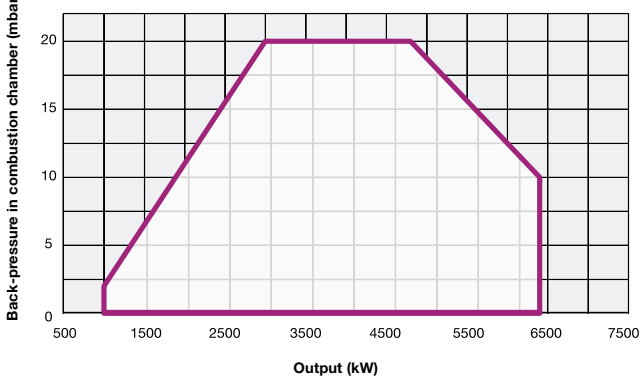
HR512A PR-MD



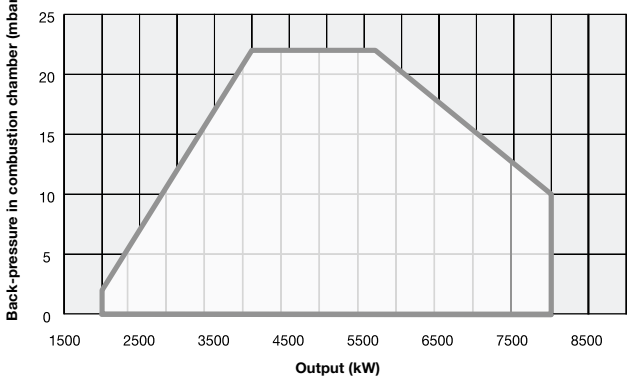
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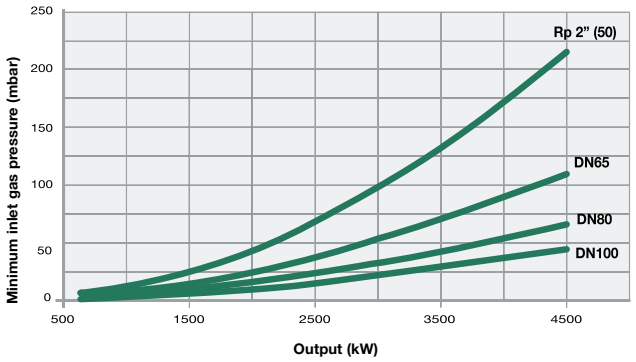
HR520A PR-MD



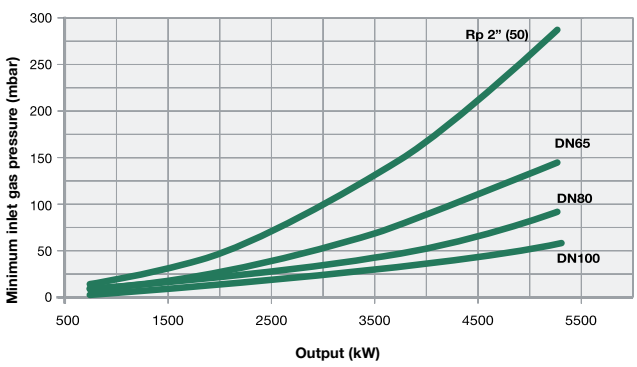
HR525A PR-MD



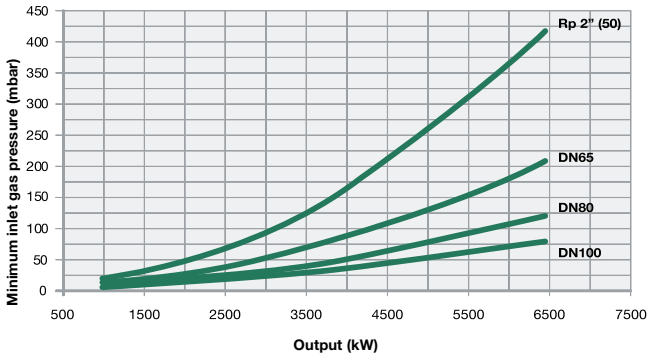
HR512A PR-MD



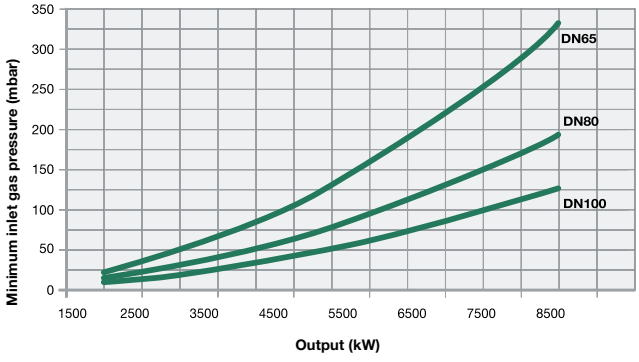
HR515A PR-MD



HR520A PR-MD



HR525A 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.