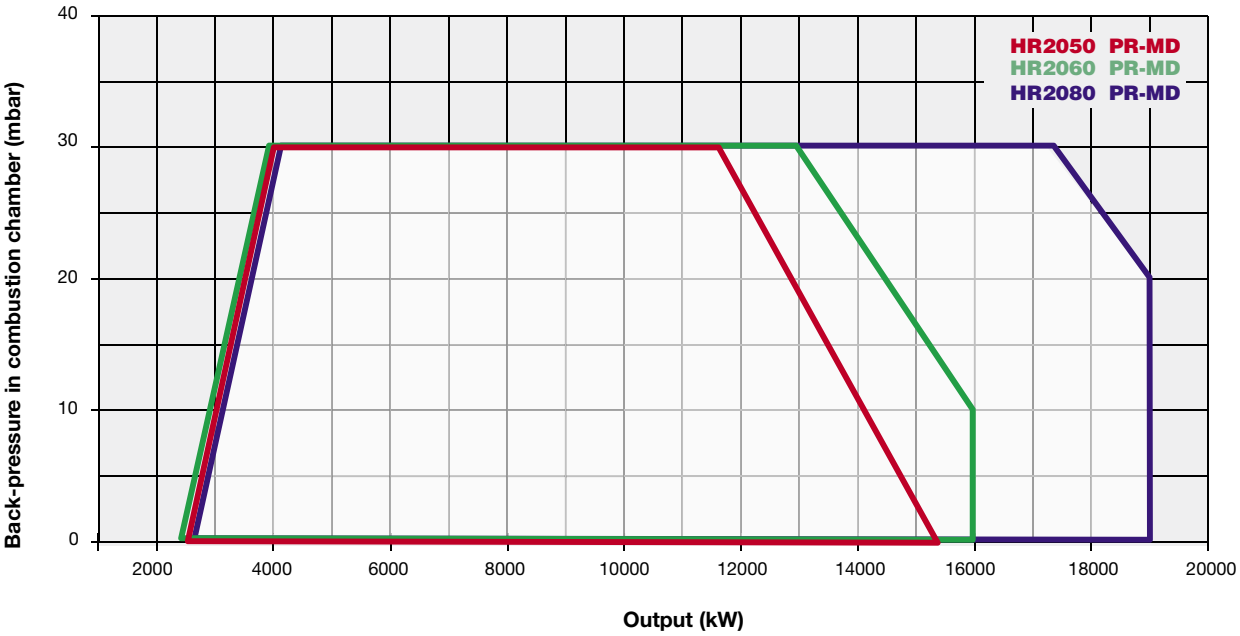
duemila SERIES HR2050 HR2060 HR2080

GAS/LIGHT OIL

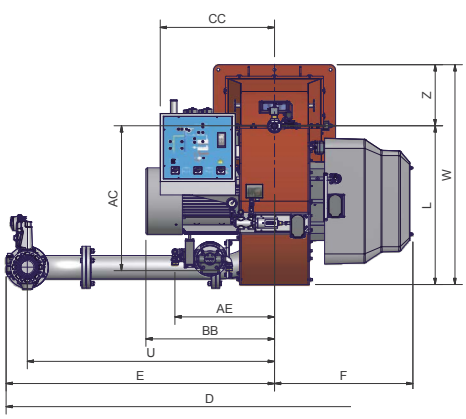
The DUEMILA series, available in both progressive and modulating operations, represents the culmination of our experience in the field of medium-large capacity burners (up to 19.000 kW).
Like all the other dual fuels models, this series perfectly combine the mechanical devices and systems typical of 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. 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.
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.

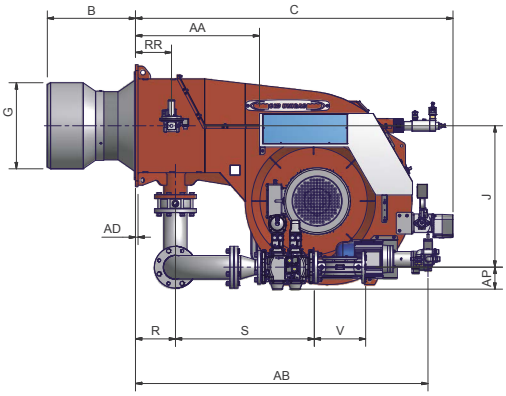


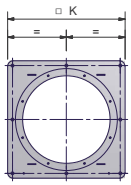
TECHNICAL DETAILS

Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Gas connections	Noise level
		min.	max.			kW	kW		dBA
HR2050	MG.xx.S.xx.A.1.xxx.xx	2.500	15.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	37,0	5,5	DN80 - DN100 - DN125	92,5
HR2060	MG.xx.S.xx.A.1.xxx.xx	2.500	16.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	45,0	5,5	DN80 - DN100 - DN125	91,7
HR2080	MG.xx.S.xx.A.1.xxx.xx	2.500	19.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	55,0	5,5	DN100 - DN125	91,7

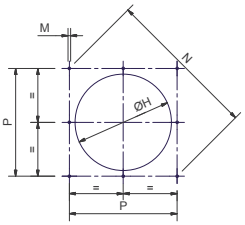
For the configuration of the gas train, see page 112-113.







Burner flange



Suggested boiler drilling

Type	Packaging dimensions (mm)			
	l	p	h	kg
HR2050	2.396	1.886	1.969	1.330
HR2060	2.396	1.886	1.969	1.410
HR2080	2.396	1.886	1.969	1.510

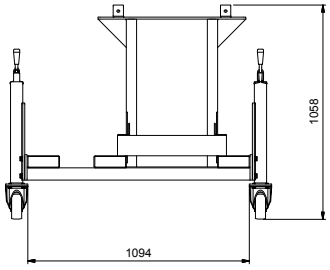
Approximate values

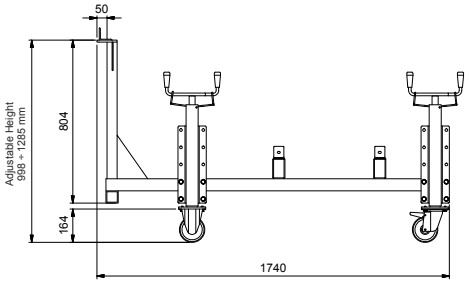
Type	Model	Overall dimensions (mm)																										
		A	AA	AC	AD	AE	AP	B*	BB	C	CC	D	E	F	G*	H*	J	K	L	M	N	P	R	RR	S	U	V	W	Z
HR2050	MG.xx.S.xx.A.1.80.xx	2180	741	866	15	595	132	520	768	1898	735	2431	1604	827	514	564	845	730	949	M16	948	670	239	215	827	1477	310	1314	365
HR2050	MG.xx.S.xx.A.1.100.xx	2180	741	866	15	595	145	520	768	1898	735	2447	1620	827	514	564	845	730	949	M16	948	670	239	215	874	1477	350	1314	365
HR2050	MG.xx.S.xx.A.1.125.xx	2180	741	866	15	595	175	520	768	1898	735	2465	1638	827	514	564	845	730	949	M16	948	670	239	215	755	1477	480	1314	365
HR2060	MG.xx.S.xx.A.1.80.xx	2160	741	866	15	645	132	500	807	1890	735	2309	1463	846	550	600	775	850	949	M16	1117	790	239	215	827	1336	310	1374	425
HR2060	MG.xx.S.xx.A.1.100.xx	2160	741	866	15	645	145	500	807	1890	735	2325	1479	846	550	600	775	850	949	M16	1117	790	239	215	874	1336	350	1374	425
HR2060	MG.xx.S.xx.A.1.125.xx	2160	741	866	15	645	175	500	807	1890	735	2343	1497	846	550	600	775	850	949	M16	1117	790	239	215	755	1336	480	1374	425
HR2080	MG.xx.S.xx.A.1.100.xx	2180	741	866	15	645	145	520	885	1890	735	2325	1479	846	700	750	775	850	949	M16	1117	790	239	215	874	1336	350	1374	425
HR2080	MG.xx.S.xx.A.1.125.xx	2180	741	866	15	645	175	520	885	1890	735	2343	1497	846	700	750	775	850	949	M16	1117	790	239	215	755	1336	480	1374	425

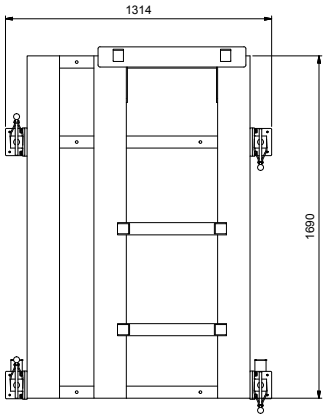
* The B, G, H dimensions must be confirmed from our technical DPT.
Approximate values

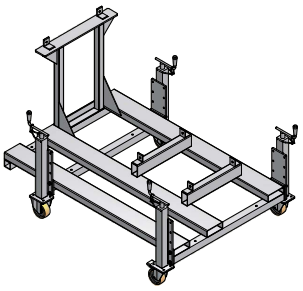
Monoblock burners 2000 series are supplied complete with a steel supporting frame; burner installation and manutention are greatly simplified.
The frame is equipped with wheels to easily move the burner, and its height is adjustable to match any type of boiler or furnace.

SUPPORTING FRAME FOR BURNERS 2050 SERIES

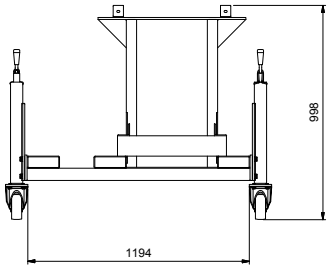


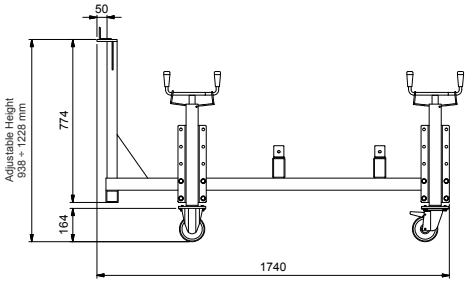


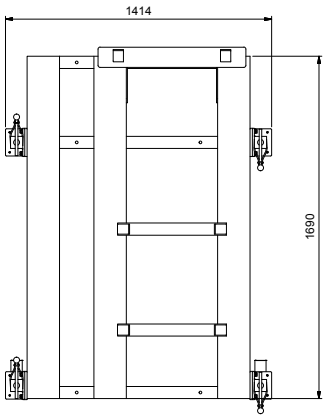


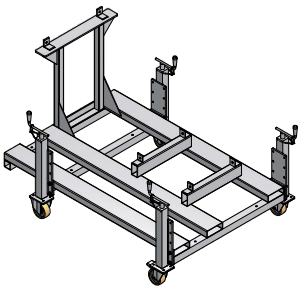


SUPPORTING FRAME FOR BURNERS 2060/2080 SERIES

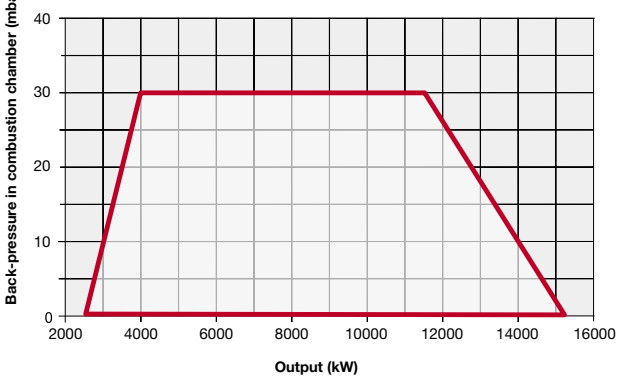




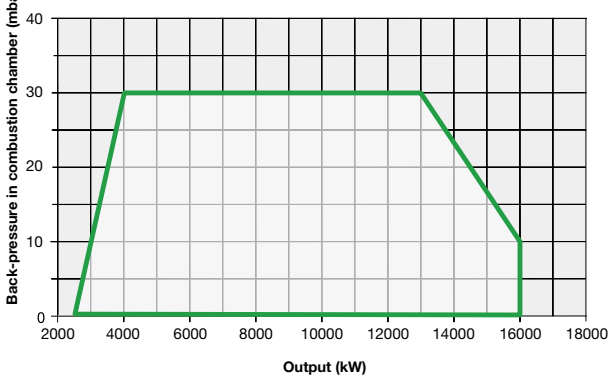




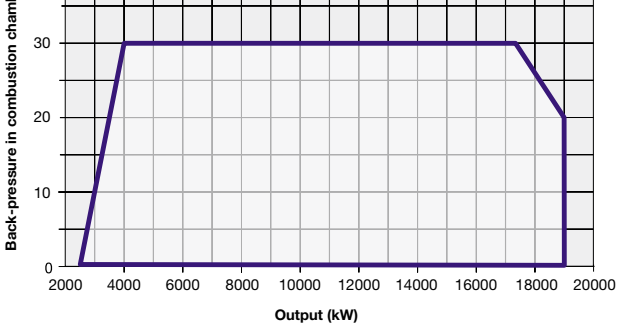
HR2050 PR-MD



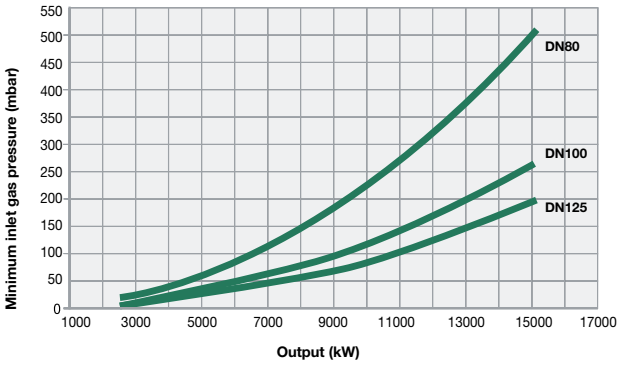
HR2060 PR-MD



HR2080 PR-MD



HR2050 PR-MD



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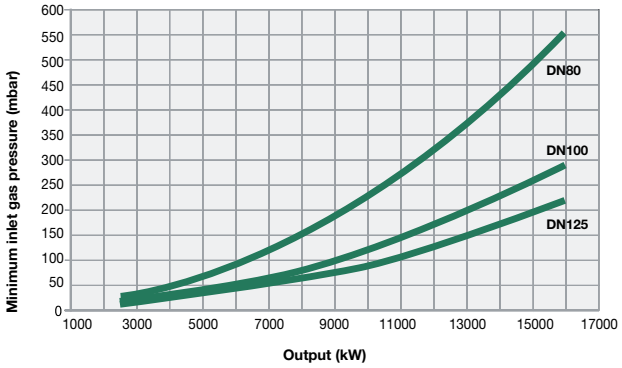
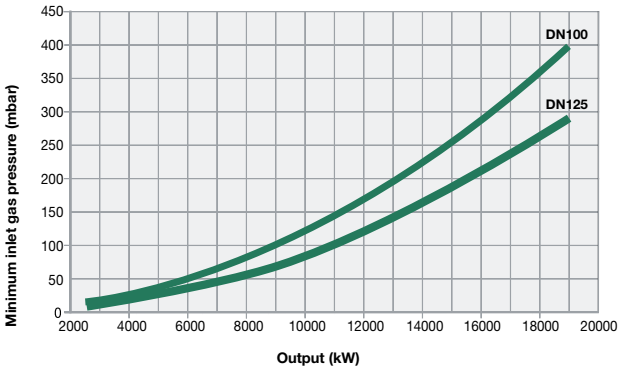


HR2080 PR-MD



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.