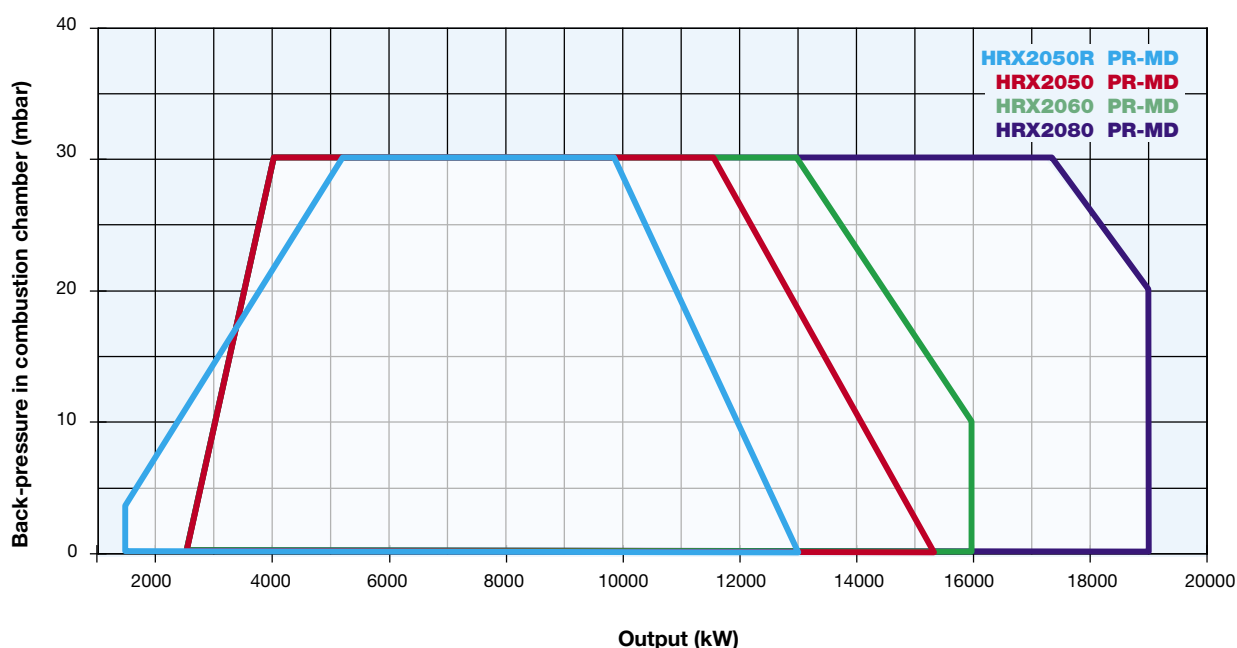


The DUEMILA series **Low NO_x** burners (gas side < 80 mg/kWh Class 3 EN676), made in aluminum housing with a backward curved centrifugal impeller is studied and developed to get high performance and efficiency combined with low emissions.

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.

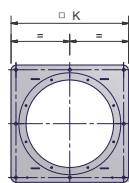
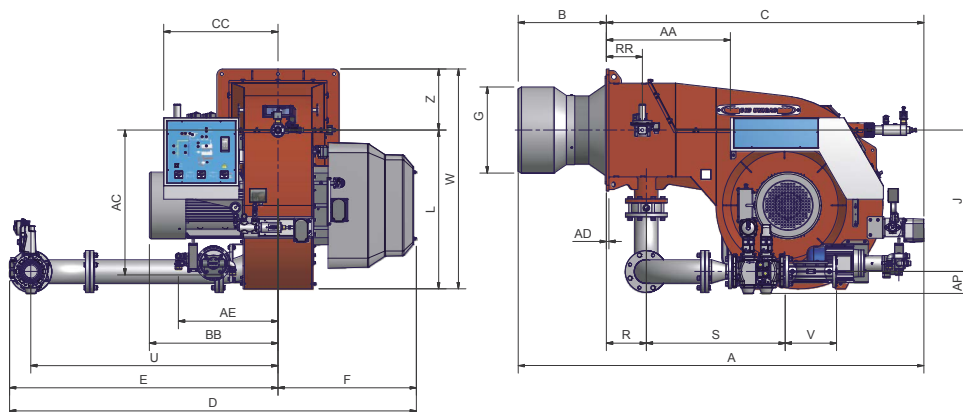
Therefore, the burners are provided with an UV photocell to control the flame during the operation.



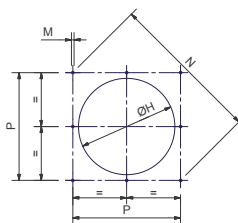
TECHNICAL DETAILS

Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor kW	Pump motor kW	Gas connections	Noise level dBA
		min.	max.						
HRX2050R	MG.xx.x.xx.A.1.xxx.xx	1.780	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	37,0	5,5	DN80 - DN100 - DN125	92,5
HRX2050	MG.xx.x.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
HRX2060	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
HRX2080	MG.xx.x.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
HRX2050R	2.396	1.886	1.969	1.330
HRX2050	2.396	1.886	1.969	1.330
HRX2060	2.396	1.886	1.969	1.410
HRX2080	2.396	1.886	1.969	1.510

Approximate values

Type	Model	Overall dimensions (mm)																													
		AS	AL	AA	AC	AD	AE	AP	BS*	BL*	BB	C	CC	D	E	F	G*	H*	J	K	L	M	N	P	R	RR	S	U	V	W	Z
HRX2050R	MG.xx.x.xx.A.1.100.xx	2160	2260	741	866	15	595	145	500	600	768	1898	735	2447	1620	827	514	564	845	730	949	M16	948	670	239	215	874	1477	350	1314	365
HRX2050R	MG.xx.x.xx.A.1.125.xx	2160	2260	741	866	15	595	175	500	600	768	1898	735	2465	1638	827	514	564	845	730	949	M16	948	670	239	215	755	1477	480	1314	365
HRX2050	MG.xx.x.xx.A.1.100.xx	2160	2260	741	866	15	595	145	500	600	768	1898	735	2447	1620	827	514	564	845	730	949	M16	948	670	239	215	874	1477	350	1314	365
HRX2050	MG.xx.x.xx.A.1.125.xx	2160	2260	741	866	15	595	175	500	600	768	1898	735	2465	1638	827	514	564	845	730	949	M16	948	670	239	215	755	1477	480	1314	365
HRX2060	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
HRX2060	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
HRX2080	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
HRX2080	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

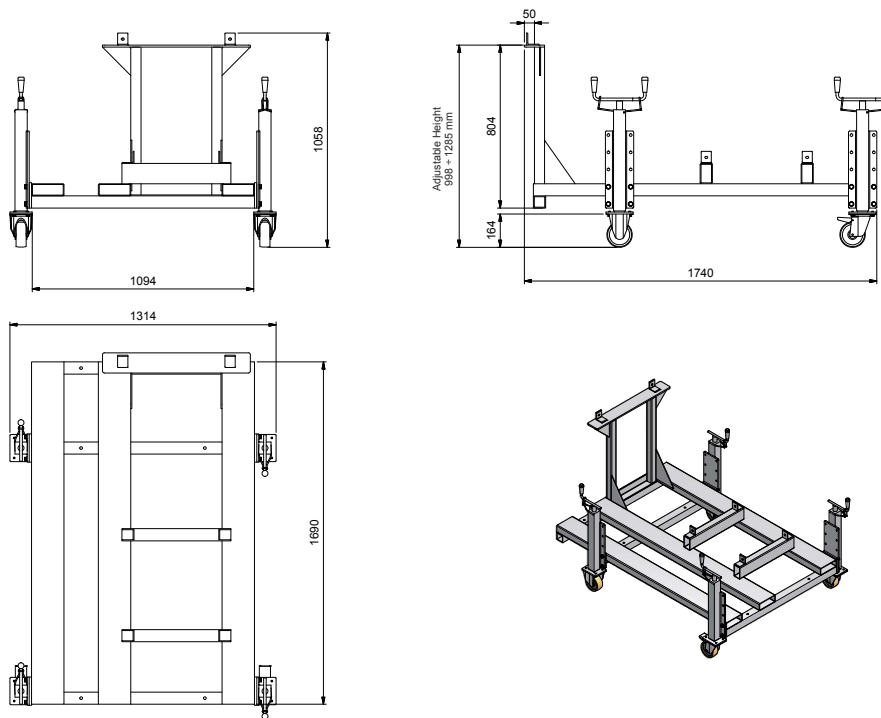
* The BS, BL, G, H dimensions must be confirmed from our technical DPT.

Approximate values

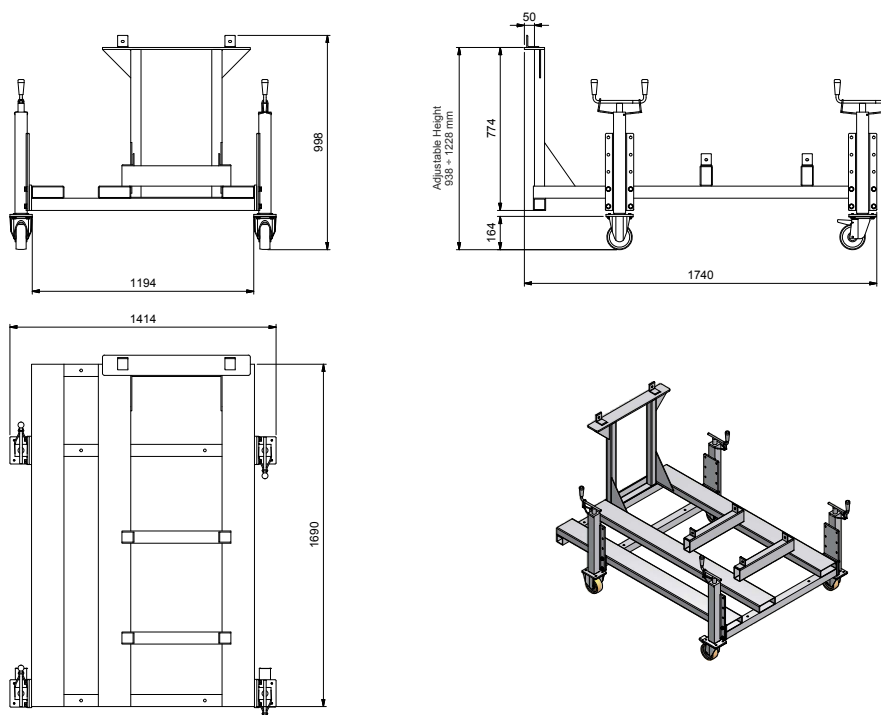
Monoblock burners 2000 series are supplied complete with a steel supporting frame; burner installation and manutention are greatly simplified.

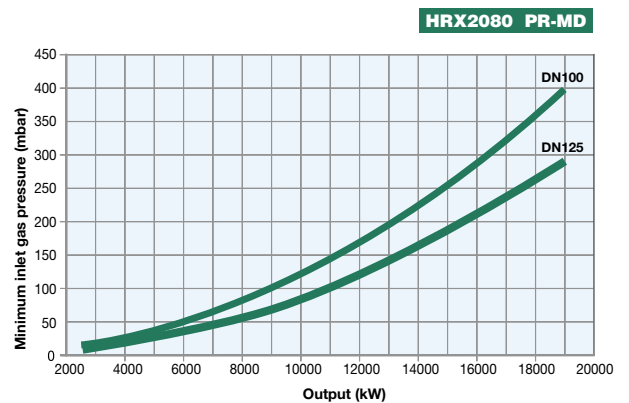
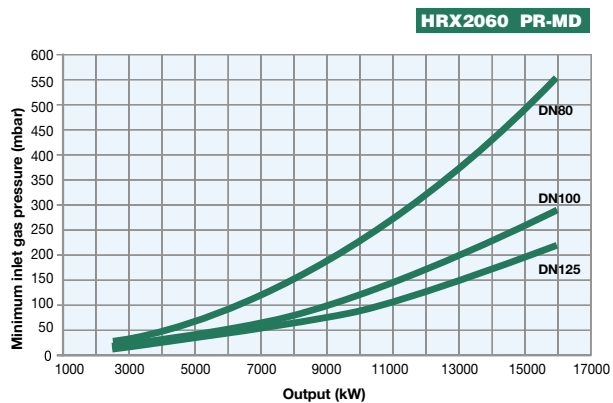
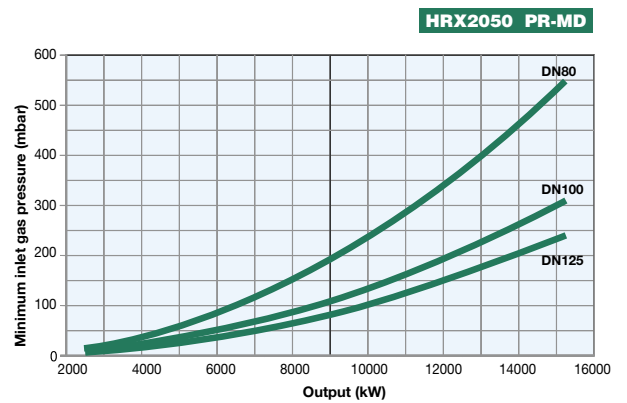
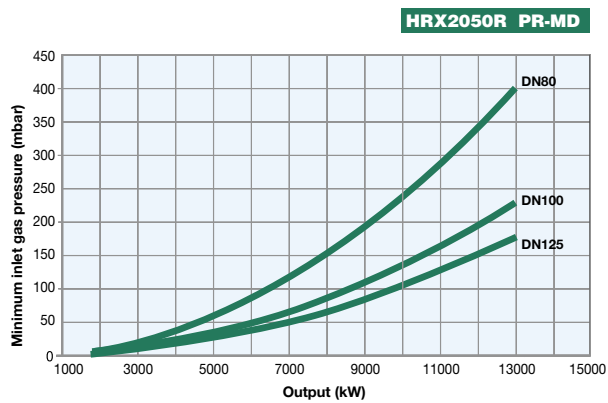
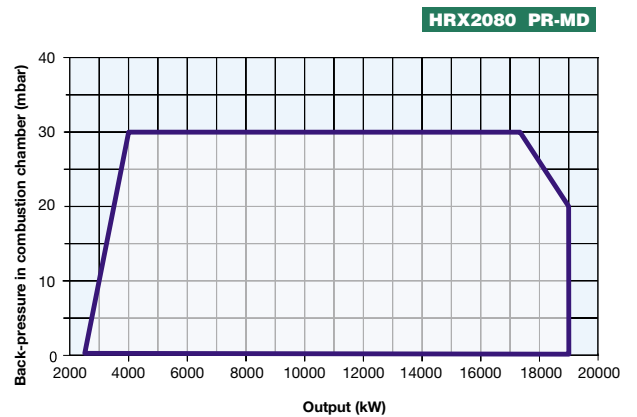
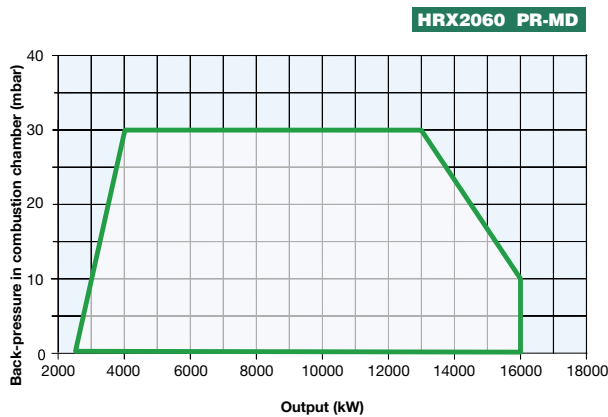
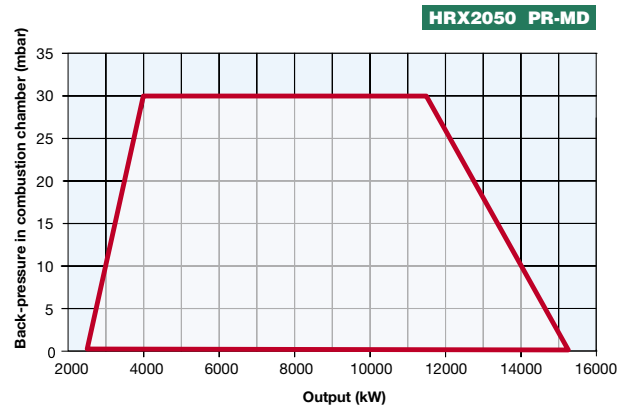
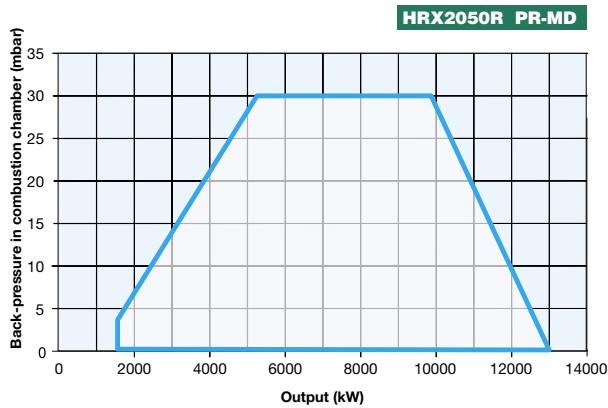
The frame is equipped with wheels to easily move the burner, and its height is adjustable to match any type of boiler or furnace.

SUPPORTING FRAME FOR BURNERS 2050 SERIES



SUPPORTING FRAME FOR BURNERS 2060/2080 SERIES





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.