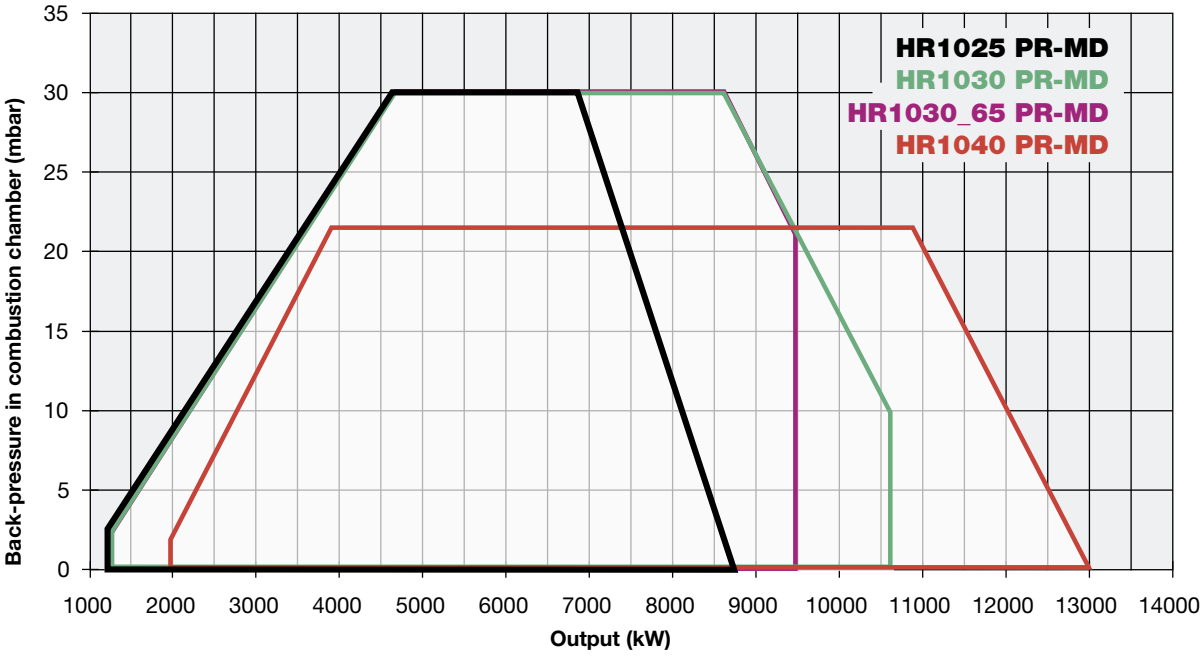
# HR1025 HR1030 HR1040

GAS/LIGHT OIL

These burners are made of a solid aluminium housing and are suitable both for industrial applications, big heating plants and public users (hospitals, universities, etc.).
The possibility of using both flues separately, the manageability and the easy maintenance, notwithstanding its big dimensions, make this series of burners really special.
These burners may be produced both in the version of progressive and modulating operation.
Upon request they can be customized through an electronic control system which controls the $O_2$ flow at any stages, optimizing the efficiency, and through a control panel in form of either remote console type, cabinet type or wall mounted type.

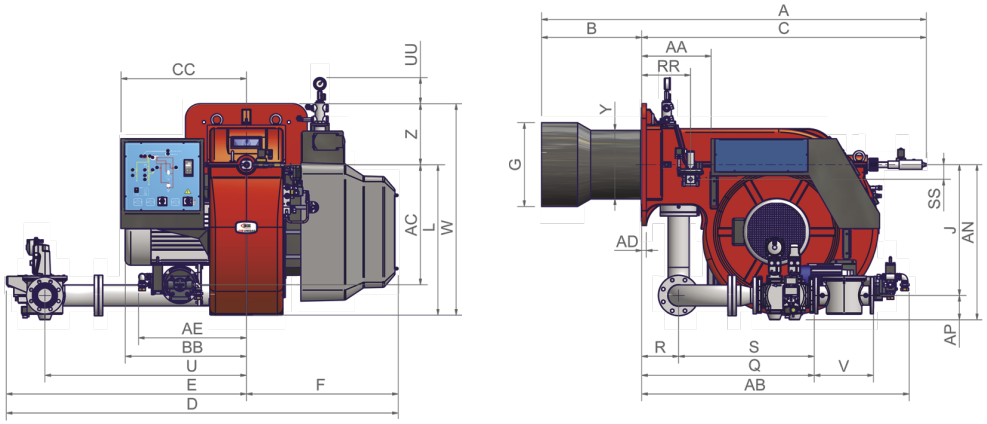
*Electronic set up (optional)*

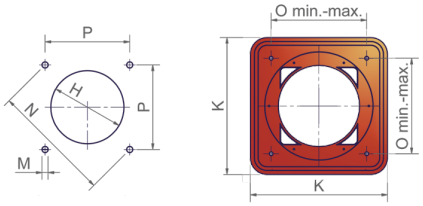


## TECHNICAL DETAILS

| 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 |
| **HR1025** | MG.xx.S.xx.A.1.xxx | 1.200 | 8.700 | 230 V 1N AC 50 Hz | 400 V 3 AC 50 Hz | 18,5 | 4,0 | DN 65 - DN80 - DN100 | 82,2 |
| **HR1030** | MG.xx.S.xx.A.1.65 | 1.200 | 9.500 | 230 V 1N AC 50 Hz | 400 V 3 AC 50 Hz | 22,0 | 4,0 | DN65 | 85,6 |
| **HR1030** | MG.xx.S.xx.A.1.xxx | 1.200 | 10.600 | 230 V 1N AC 50 Hz | 400 V 3 AC 50 Hz | 22,0 | 4,0 | DN80 - DN100 | 85,6 |
| **HR1040** | MG.xx.S.xx.A.1.xxx | 2.000 | 13.000 | 230 V 1N AC 50 Hz | 400 V 3 AC 50 Hz | 30,0 | 5,5 | DN80 - DN100 - DN125 | 85,6 |

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




*Suggested boiler drilling*




*Burner flange*

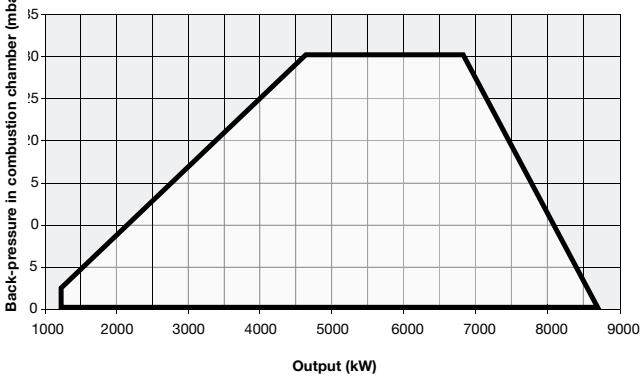
| Type | Packaging dimensions (mm) | | | |
|---|---|---|---|---|
| | l | p | h | kg |
| **HR1025** | 2300 | 1.720 | 1410 | 700 |
| **HR1030** | 2300 | 1.720 | 1410 | 700 |
| **HR1040** | 2300 | 1.720 | 1410 | 700 |

Approximate values

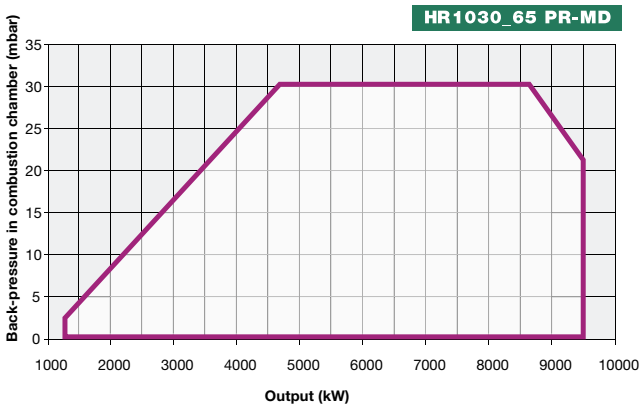
| Type | Model | Overall dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | AA | AB | AC | AD | AE | AN | AP | B | BB | C | CC | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | RR | S | SS | U | UU | V | W | Y | Z |
| **HR1025** | MG.xx.S.xx.A.1.65 | 2088 | 377 | 1452 | 651 | 25 | 585 | 827 | 118 | 544 | 641 | 1544 | 680 | 21211299 | 822 | 400 | 450 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 914 | 200 | 265 | 714 | 80 | 1092 | 142 | 292 | 1146 | 379 | 330 |
| **HR1025** | MG.xx.S.xx.A.1.80 | 2088 | 377 | 1452 | 651 | 25 | 585 | 841 | 132 | 544 | 641 | 1544 | 680 | 21231301 | 822 | 400 | 450 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 936 | 200 | 265 | 736 | 80 | 1092 | 142 | 322 | 1146 | 379 | 330 |
| **HR1025** | MG.xx.S.xx.A.1.100 | 2088 | 377 | 1452 | 651 | 25 | 585 | 854 | 145 | 544 | 641 | 1544 | 680 | 21391317 | 822 | 400 | 450 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 842 | 200 | 265 | 642 | 80 | 1092 | 142 | 382 | 1146 | 379 | 330 |
| **HR1030** | MG.xx.S.xx.A.1.65 | 2088 | 377 | 1452 | 651 | 25 | 585 | 827 | 118 | 544 | 657 | 1544 | 680 | 21211299 | 822 | 454 | 504 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 914 | 200 | 265 | 714 | 80 | 1092 | 142 | 292 | 1146 | 372 | 330 |
| **HR1030** | MG.xx.S.xx.A.1.80 | 2088 | 377 | 1452 | 651 | 25 | 585 | 841 | 132 | 544 | 657 | 1544 | 680 | 21231301 | 822 | 454 | 504 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 936 | 200 | 265 | 736 | 80 | 1092 | 142 | 322 | 1146 | 372 | 330 |
| **HR1030** | MG.xx.S.xx.A.1.100 | 2088 | 377 | 1452 | 651 | 25 | 585 | 854 | 145 | 544 | 657 | 1544 | 680 | 21391317 | 822 | 454 | 504 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 842 | 200 | 265 | 642 | 80 | 1092 | 142 | 382 | 1146 | 372 | 330 |
| **HR1040** | MG.xx.S.xx.A.1.80 | 2106 | 377 | 1452 | 651 | 25 | 585 | 841 | 132 | 544 | 657 | 1562 | 680 | 21231301 | 822 | 514 | 564 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 936 | 200 | 265 | 736 | 80 | 1092 | 142 | 322 | 1146 | 408 | 330 |
| **HR1040** | MG.xx.S.xx.A.1.100 | 2106 | 377 | 1452 | 651 | 25 | 585 | 854 | 145 | 544 | 657 | 1562 | 680 | 21391317 | 822 | 514 | 564 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 842 | 200 | 265 | 642 | 80 | 1092 | 142 | 382 | 1146 | 408 | 330 |
| **HR1040** | MG.xx.S.xx.A.1.125 | 2106 | 377 | 1452 | 651 | 25 | 585 | 884 | 175 | 544 | 657 | 1562 | 680 | 22541432 | 822 | 514 | 564 | 709 | 660 | 816 | M16 | 651 | 460 | 460 | 954 | 200 | 265 | 754 | 80 | 1192 | 142 | 480 | 1146 | 408 | 330 |

Approximate values

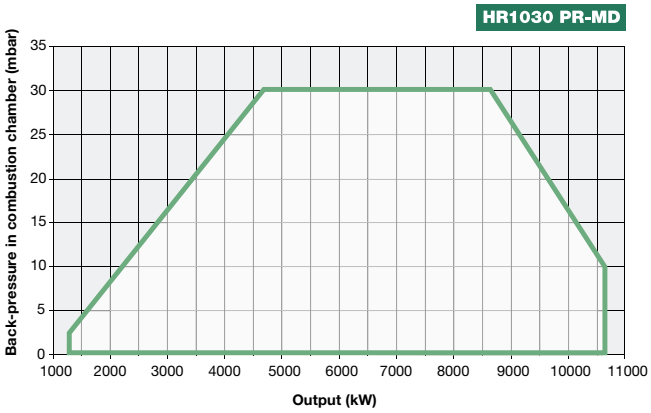
HR1025 PR-MD



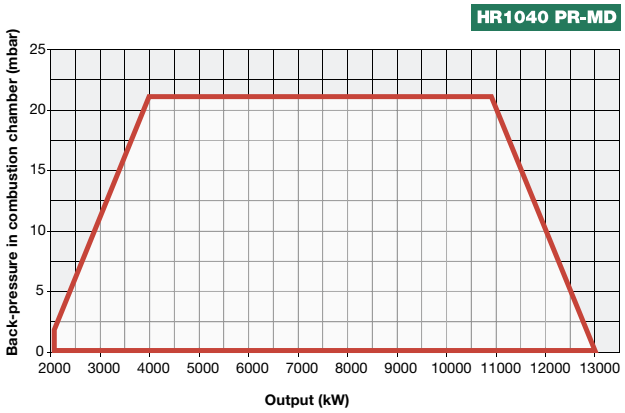

HR1030_65 PR-MD



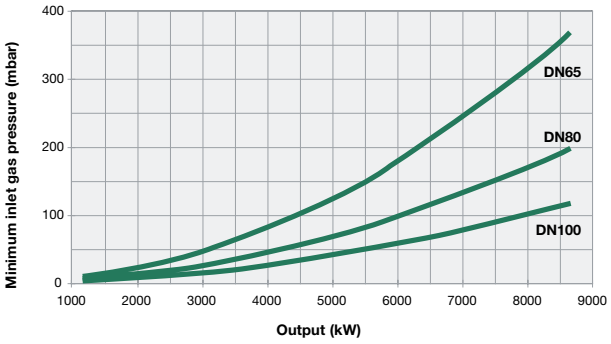

HR1030 PR-MD



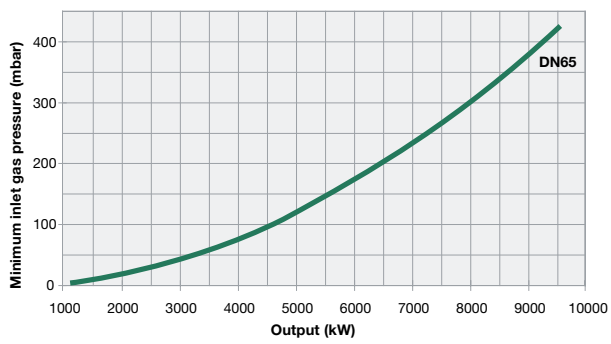

HR1040 PR-MD



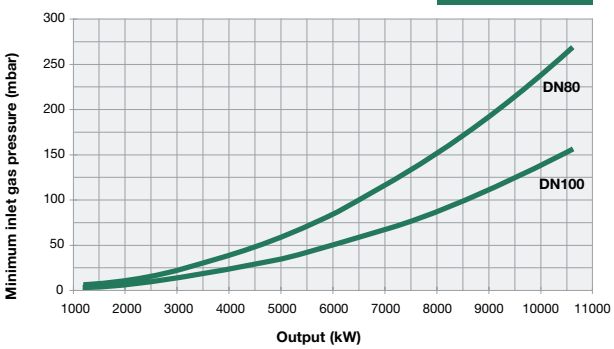

HR1025 PR-MD



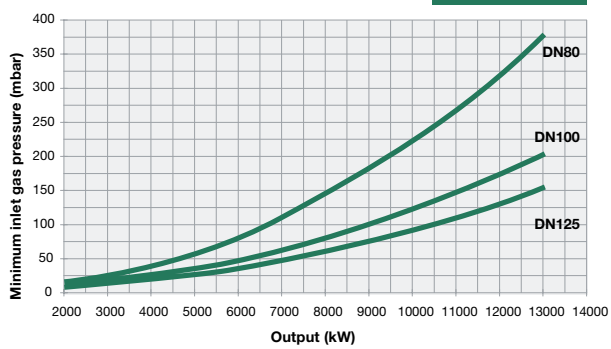

HR1030 ...65 PR-MD




HR1030 PR-MD




HR1040 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.