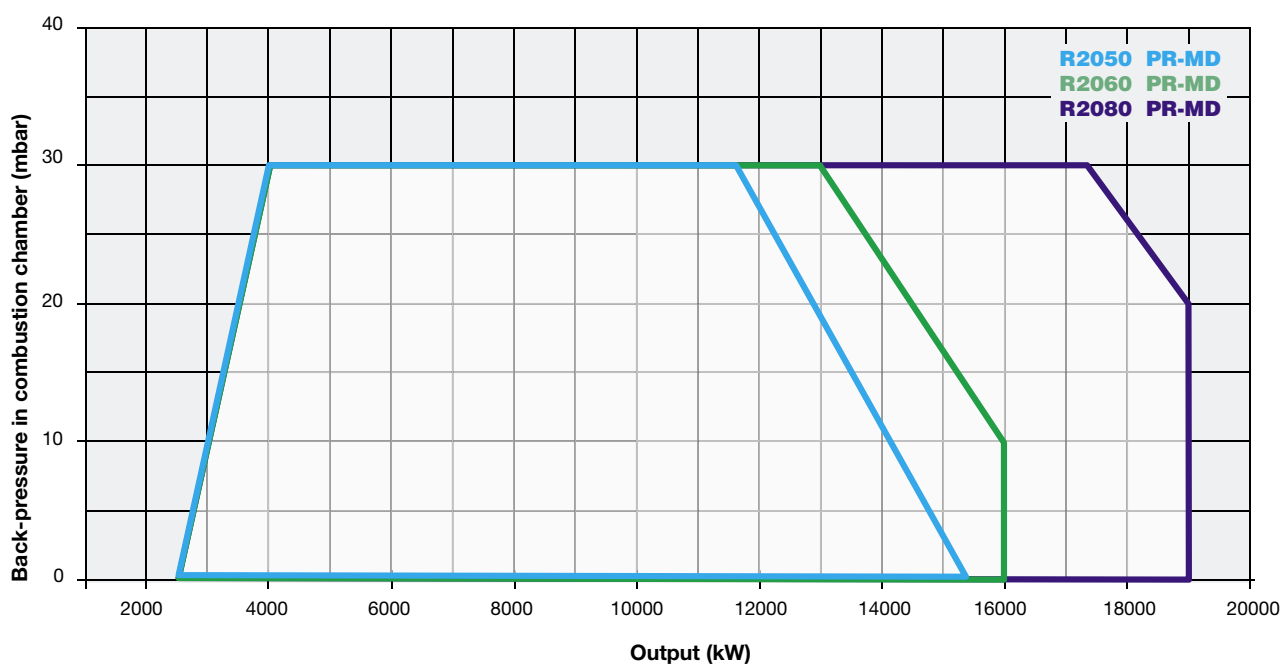


## duemila SERIES R2050 R2060 R2080



GAS

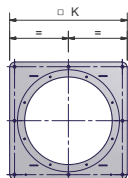
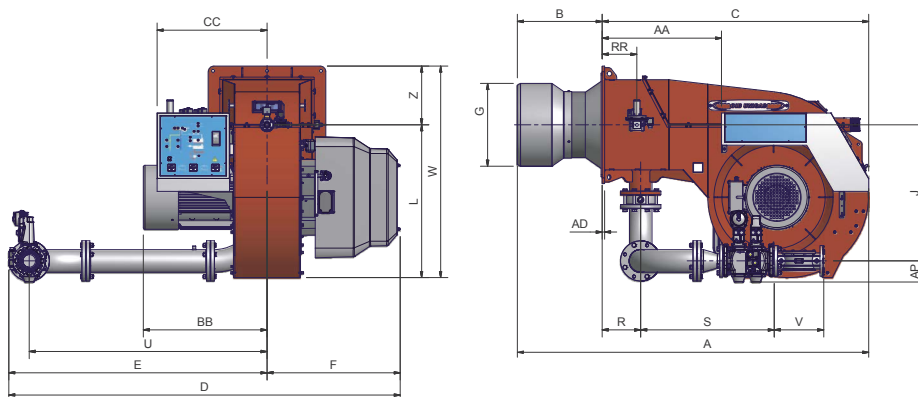
Designed to satisfy the most demanding industrial applications, the array “DUEMILA series” **Class 2 (< 120 mg/kWh)** is the largest of the aluminium monoblock burners; it features an steel housing and a backward curved centrifugal impeller. The performance range of this array of product goes from 2.500 to 19.000 kW and its modulating ratio is 1:3. Higher modulating ratio (up to 1:10) is available, upon request, in those models with mobile combustion head and electronic control unit.



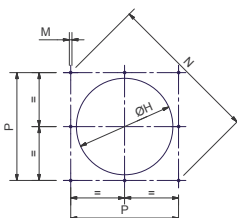
## TECHNICAL DETAILS

| Type         | Model              | Output kW |        | Auxiliary electrical power supply | Motor electrical power supply | Fan motor kW | Gas connections      | Noise level dBA |
|--------------|--------------------|-----------|--------|-----------------------------------|-------------------------------|--------------|----------------------|-----------------|
|              |                    | min.      | max.   |                                   |                               |              |                      |                 |
| <b>R2050</b> | M-.xx.S.xx.A.1.xxx | 2.500     | 15.200 | 230 V 1N AC 50 Hz                 | 400 V 3 AC 50 Hz              | 37,0         | DN80 - DN100 - DN125 | 92,5            |
| <b>R2060</b> | M-.xx.S.xx.A.1.xxx | 2.500     | 16.000 | 230 V 1N AC 50 Hz                 | 400 V 3 AC 50 Hz              | 45,0         | DN80 - DN100 - DN125 | 91,7            |
| <b>R2080</b> | M-.xx.S.xx.A.1.xxx | 2.500     | 19.000 | 230 V 1N AC 50 Hz                 | 400 V 3 AC 50 Hz              | 55,0         | 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   |
| <b>R2050</b> | 2396                      | 1886 | 1969 | 1280 |
| <b>R2060</b> | 2396                      | 1886 | 1969 | 1360 |
| <b>R2080</b> | 2396                      | 1886 | 1969 | 1460 |

Approximate values

| Type  | Model              | Overall dimensions (mm) |      |    |     |     |     |      |     |      |      |     |     |     |     |     |     |     |      |     |     |     |     |      |     |      |     |
|-------|--------------------|-------------------------|------|----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|------|-----|
|       |                    | AA                      | A    | AD | AP  | BB  | B*  | C    | CC  | D    | E    | F   | G*  | H*  | J   | K   | L   | M   | N    | P   | R   | RR  | S   | U    | V   | W    | Z   |
| R2050 | M-.xx.S.xx.A.1.80  | 741                     | 2180 | 15 | 132 | 768 | 520 | 1660 | 735 | 2431 | 1604 | 827 | 514 | 564 | 845 | 730 | 949 | M16 | 948  | 670 | 239 | 215 | 827 | 1478 | 310 | 1314 | 365 |
| R2050 | M-.xx.S.xx.A.1.100 | 741                     | 2180 | 15 | 145 | 768 | 520 | 1660 | 735 | 2447 | 1620 | 827 | 514 | 564 | 845 | 730 | 949 | M16 | 948  | 670 | 239 | 215 | 874 | 1478 | 350 | 1314 | 365 |
| R2050 | M-.xx.S.xx.A.1.125 | 741                     | 2180 | 15 | 175 | 768 | 520 | 1660 | 735 | 2461 | 1634 | 827 | 514 | 564 | 845 | 730 | 949 | M16 | 948  | 670 | 239 | 215 | 755 | 1478 | 480 | 1314 | 365 |
| R2060 | M-.xx.S.xx.A.1.80  | 741                     | 2160 | 15 | 132 | 768 | 500 | 1660 | 735 | 2431 | 1604 | 827 | 550 | 600 | 845 | 730 | 949 | M16 | 948  | 670 | 239 | 215 | 827 | 1478 | 310 | 1314 | 365 |
| R2060 | M-.xx.S.xx.A.1.100 | 741                     | 2160 | 15 | 145 | 768 | 500 | 1660 | 735 | 2447 | 1620 | 827 | 550 | 600 | 845 | 730 | 949 | M16 | 948  | 670 | 239 | 215 | 874 | 1478 | 350 | 1314 | 365 |
| R2060 | M-.xx.S.xx.A.1.125 | 741                     | 2160 | 15 | 175 | 768 | 500 | 1660 | 735 | 2461 | 1634 | 827 | 550 | 600 | 845 | 730 | 949 | M16 | 948  | 670 | 239 | 215 | 755 | 1478 | 480 | 1314 | 365 |
| R2080 | M-.xx.S.xx.A.1.100 | 741                     | 2160 | 15 | 132 | 807 | 520 | 1656 | 735 | 2309 | 1463 | 846 | 700 | 750 | 775 | 850 | 949 | M16 | 1117 | 790 | 239 | 215 | 827 | 1336 | 310 | 1374 | 425 |
| R2080 | M-.xx.S.xx.A.1.125 | 741                     | 2160 | 15 | 145 | 807 | 520 | 1656 | 735 | 2325 | 1479 | 846 | 700 | 750 | 775 | 850 | 949 | M16 | 1117 | 790 | 239 | 215 | 874 | 1336 | 350 | 1374 | 425 |

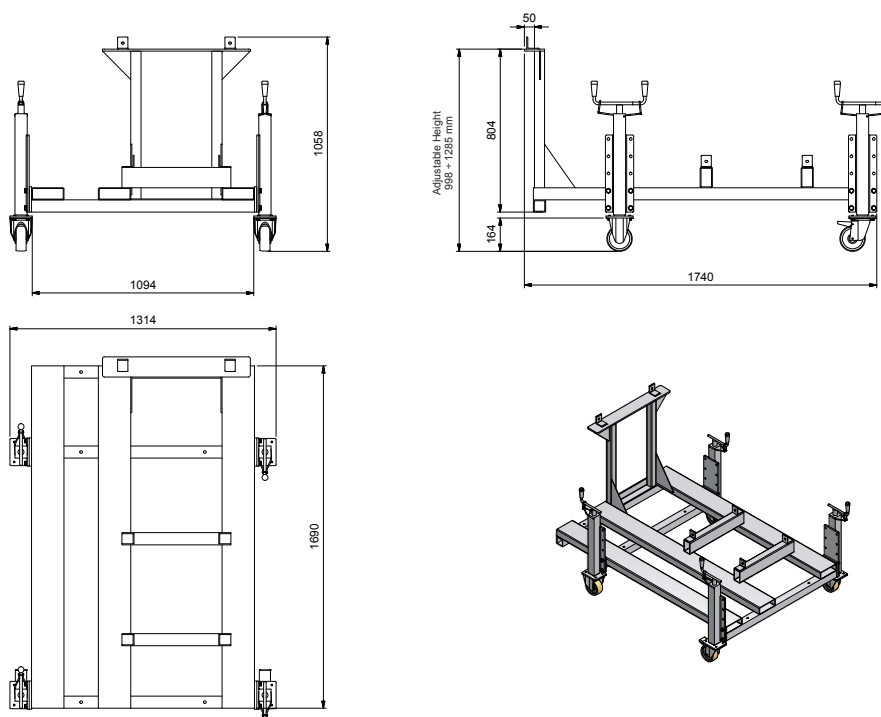
\* The B, G, H dimensions must be confirmed from our technical DPT.

Approximate values

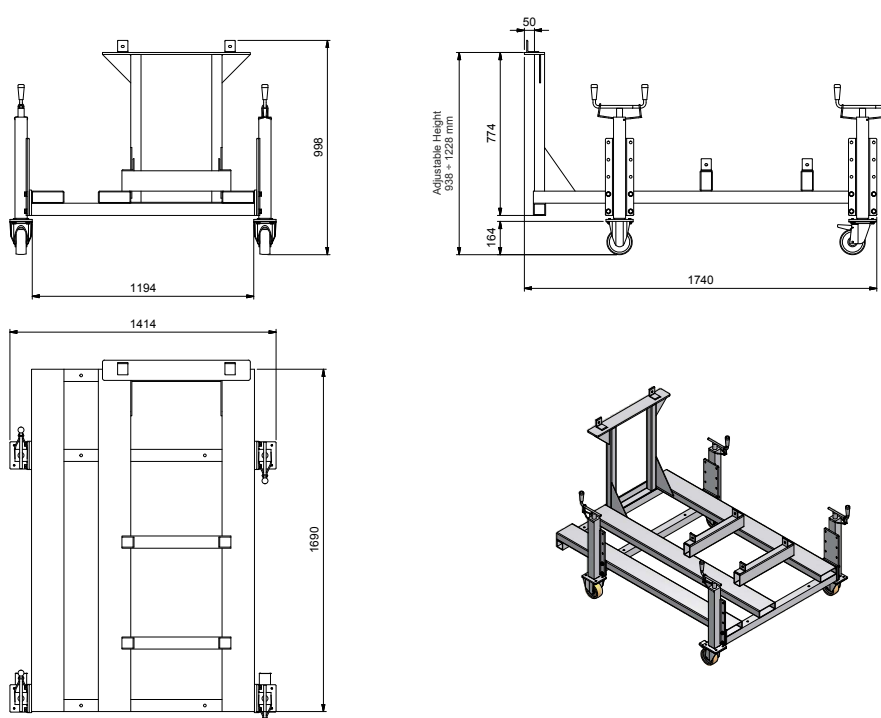
Monoblock burners 2000 series are supplied complete with a steel supporting frame; burner installation and manutention are greatly simplified.

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

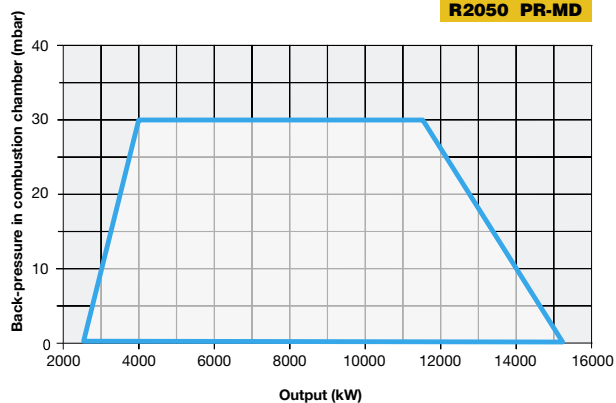
### SUPPORTING FRAME FOR BURNERS 2050 SERIES



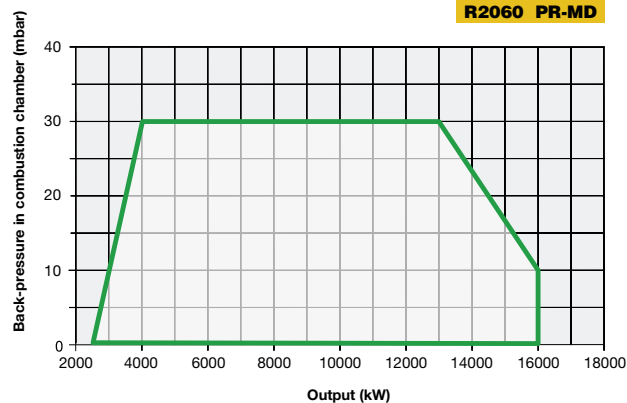
### SUPPORTING FRAME FOR BURNERS 2060/2080 SERIES



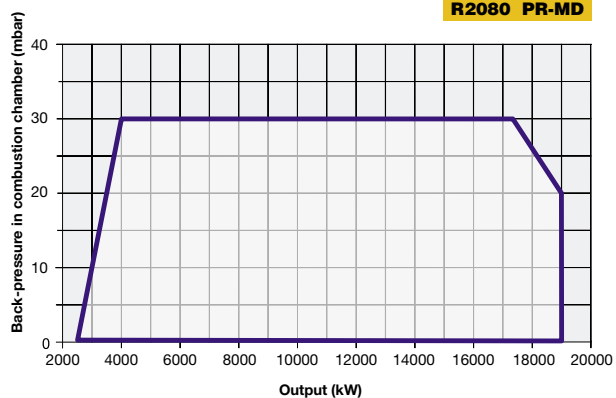
**R2050 PR-MD**



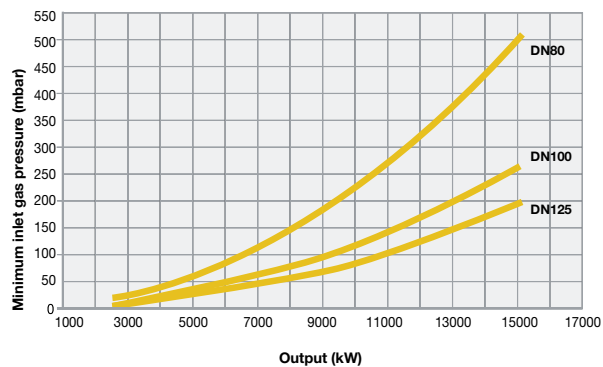
**R2060 PR-MD**



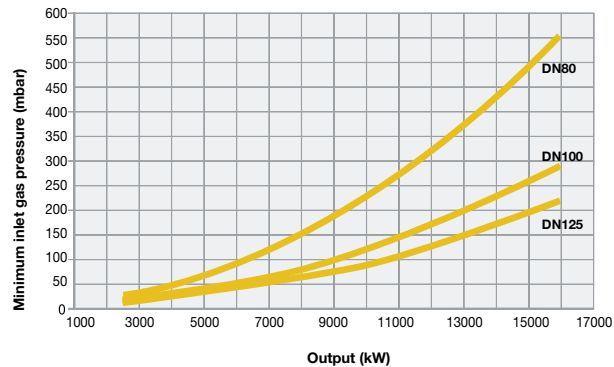
**R2080 PR-MD**



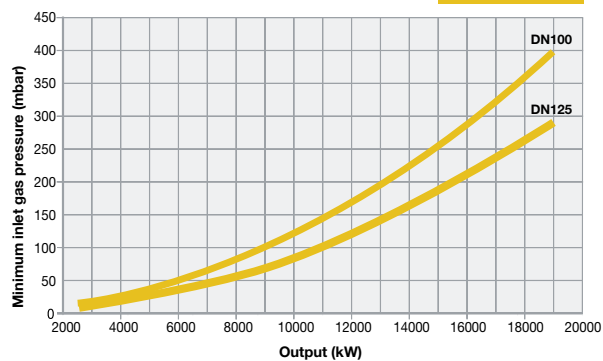
**R2050 PR-MD**



**R2060 PR-MD**



**R2080 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.