

# duemila SERIES RN2050 RN2060 RN2080

HEAVY OIL

**MECHANICAL ATOMIZATION**  
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

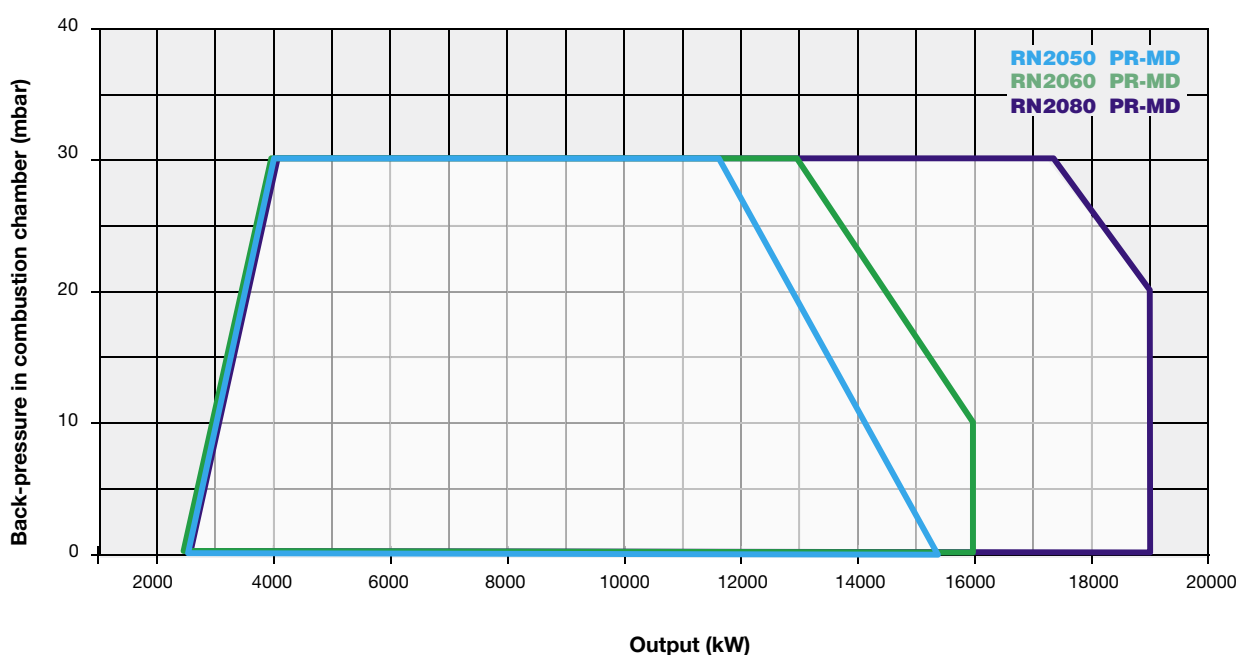
These aluminium monoblock industrial burners with integral fan are available for oils with viscosity up to 400 cSt at 50°C (50°E at 50°C).

Given the particular viscosity of the fuel and the necessity to keep the oil fluid, the burner uses a preheating system provided with a much lower thermal load electrical element in order to avoid carbon deposits.

The maintenance is always easy given that the components – for example the solenoid valve group - are mounted on a specific bracket which can be easily removed.



Oil pump set (pump, motor, oil tank and filter) in a separate support, (not assembled on the burner)  
**OPTION**

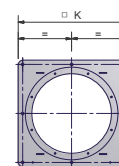
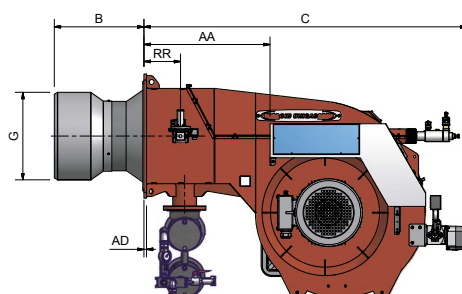
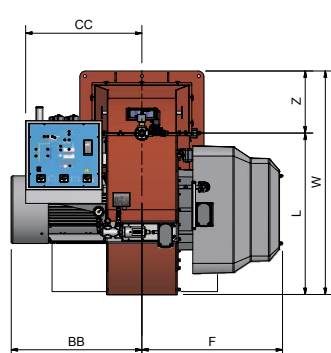


# RN2050 RN2060 RN2080 **duemila** SERIES

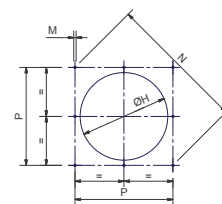
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## TECHNICAL DETAILS

| Type          | Model        | Output kW |        | Auxiliary electrical power supply | Motor electrical power supply | Fan motor kW | Pump motor kW | Resistor kW | Nois level dBA |
|---------------|--------------|-----------|--------|-----------------------------------|-------------------------------|--------------|---------------|-------------|----------------|
|               |              | min.      | max.   |                                   |                               |              |               |             |                |
| <b>RN2050</b> | x-.xx.S.xx.A | 2.500     | 15.200 | 230 V 1N AC 50 Hz                 | 400 V 3 AC 50 Hz              | 37           | 5,5           | 24 + 24     | 92,5           |
| <b>RN2060</b> | x-.xx.S.xx.A | 2.500     | 16.000 | 230 V 1N AC 50 Hz                 | 400 V 3 AC 50 Hz              | 45           | 5,5           | 24 + 24     | 91,7           |
| <b>RN2080</b> | x-.xx.S.xx.A | 2.500     | 19.000 | 230 V 1N AC 50 Hz                 | 400 V 3 AC 50 Hz              | 55           | 5,5           | 24 + 24     | 91,7           |



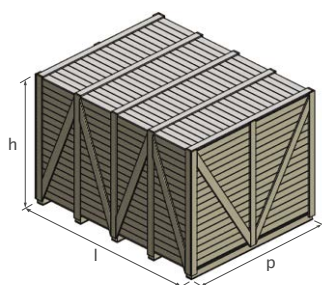
Burner flange



Suggested boiler drilling

The preheaters, the motor and pump unit are included in the scope of supply, assembled in the burner. On request they can be assembled in a separate support (not on board).

Boiler drilling drill must be confirmed according the firing head.



| Type          | Packaging dimensions (mm) |       |       |       |
|---------------|---------------------------|-------|-------|-------|
|               | l                         | p     | h     | kg    |
| <b>RN2050</b> | 2.396                     | 1.886 | 1.969 | 1.390 |
| <b>RN2060</b> | 2.396                     | 1.886 | 1.969 | 1.410 |
| <b>RN2080</b> | 2.396                     | 1.886 | 1.969 | 1.510 |

Approximate values

| Type          | Model           | Overall dimensions (mm) |    |   |     |      |     |     |   |   |     |     |     |      |     |     |      |     |
|---------------|-----------------|-------------------------|----|---|-----|------|-----|-----|---|---|-----|-----|-----|------|-----|-----|------|-----|
|               |                 | AA                      | AD | B | BB  | C    | CC  | F   | G | H | K   | L   | M   | N    | P   | RR  | W    | Z   |
| <b>RN2050</b> | x-.xx.S.xx.A.xx | 741                     | 15 | * | 768 | 1898 | 735 | 827 | * | * | 730 | 949 | M16 | 948  | 670 | 215 | 1314 | 365 |
| <b>RN2060</b> | x-.xx.S.xx.A.xx | 741                     | 15 | * | 807 | 1890 | 735 | 846 | * | * | 850 | 949 | M16 | 1117 | 790 | 215 | 1374 | 425 |
| <b>RN2080</b> | x-.xx.S.xx.A.xx | 741                     | 15 | * | 885 | 1890 | 735 | 846 | * | * | 850 | 949 | M16 | 1117 | 790 | 215 | 1374 | 425 |

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

Approximate values

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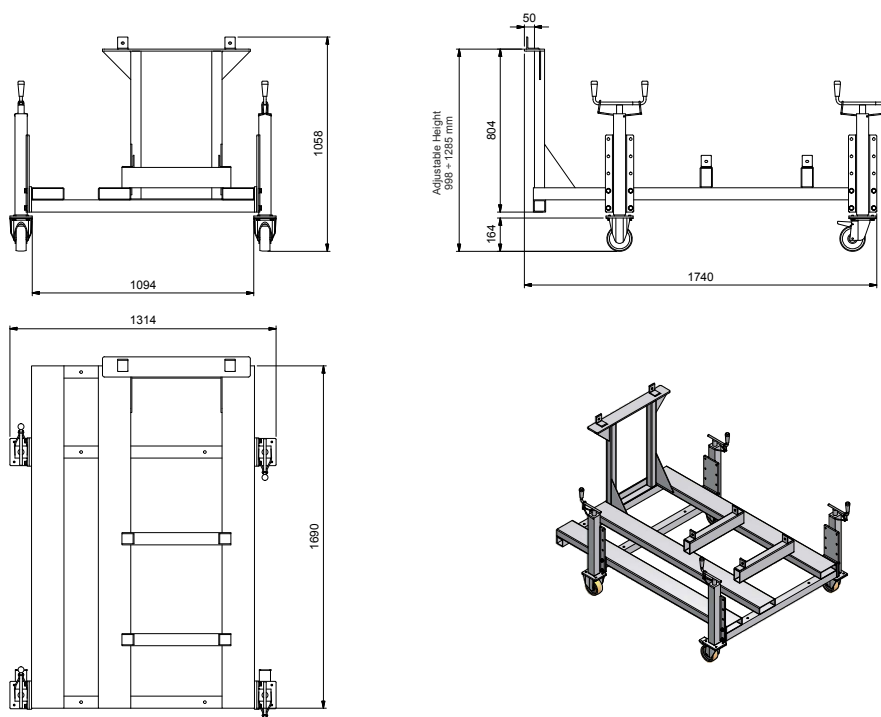
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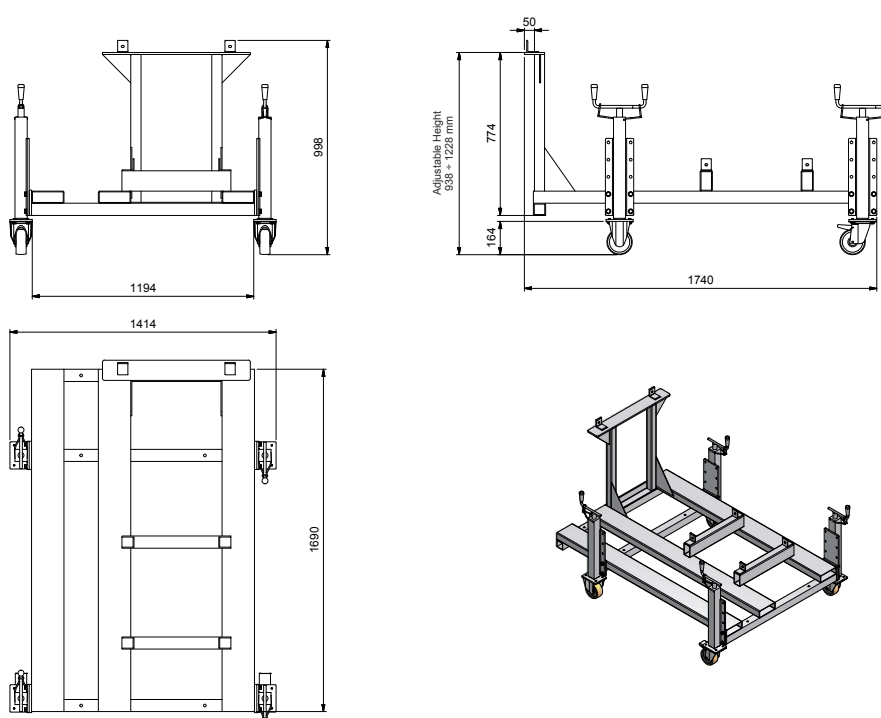
Monoblock burners 2000 series are supplied complete with a steel supporting frame; burner installation and manutention are greatly simplified.

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

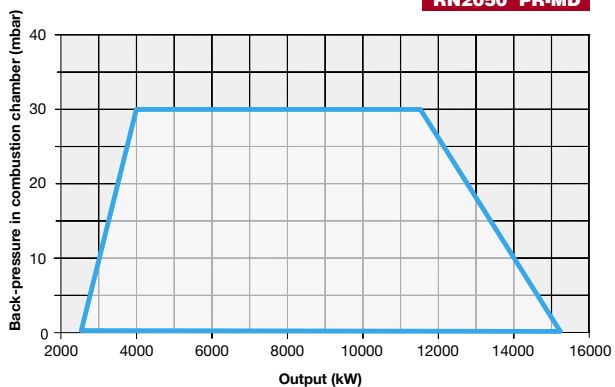


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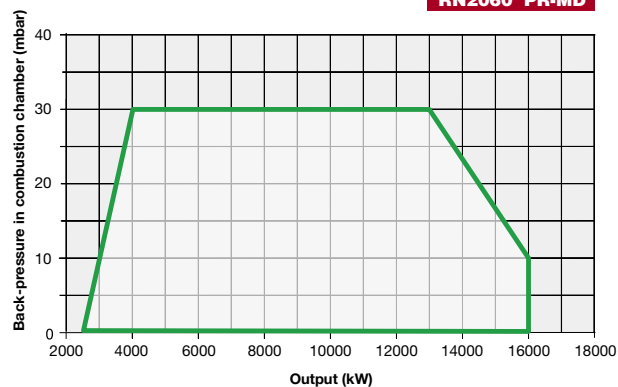
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**RN2050 PR-MD**



**RN2060 PR-MD**



**RN2080 PR-MD**

