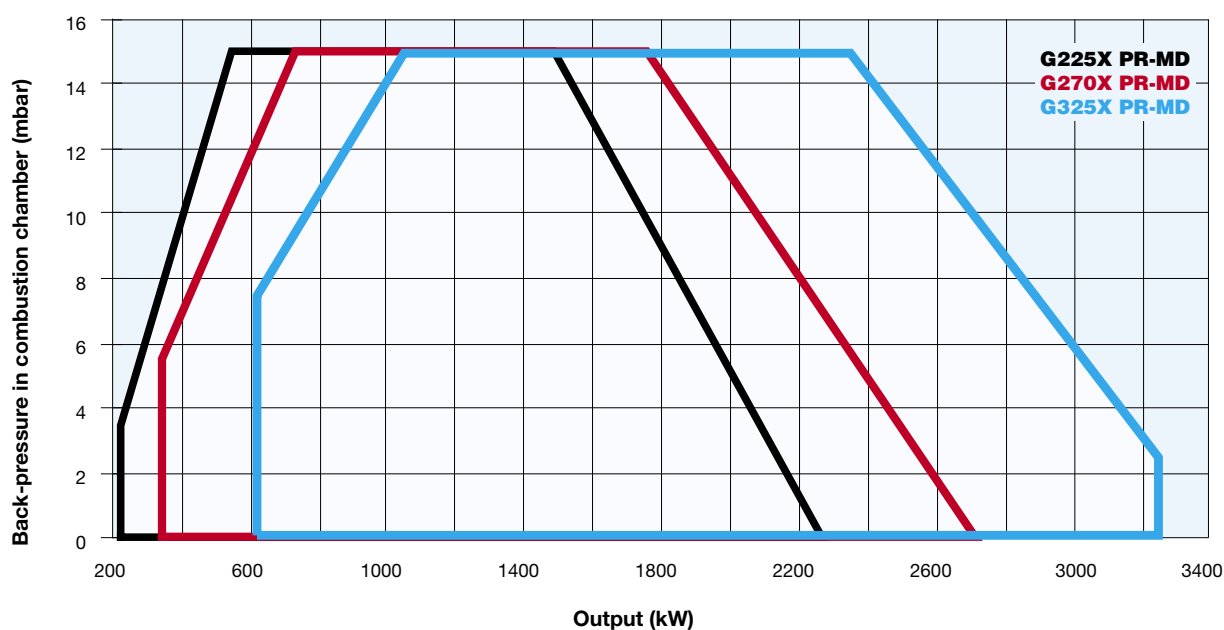
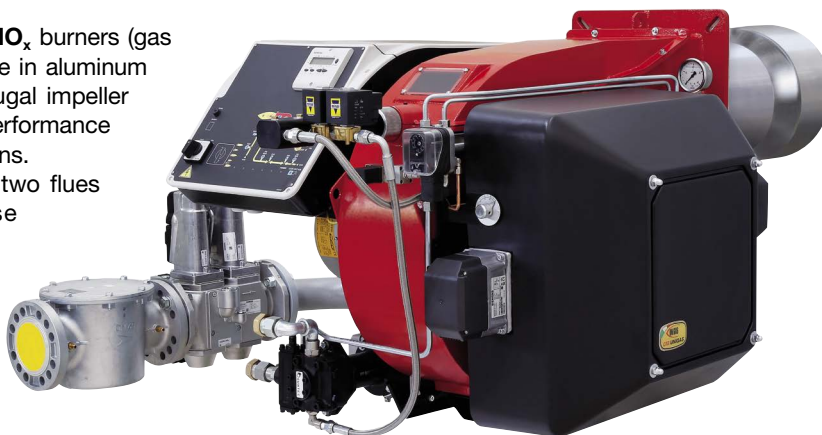


The new G type NOVANTA series **Low NO<sub>x</sub>** burners (gas side < 80 mg/kWh Class 3 EN676), made in aluminum housing with a backward curved centrifugal impeller is studied and developed to get high performance and efficiency combined with low emissions. In this manner this series can burn the 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.

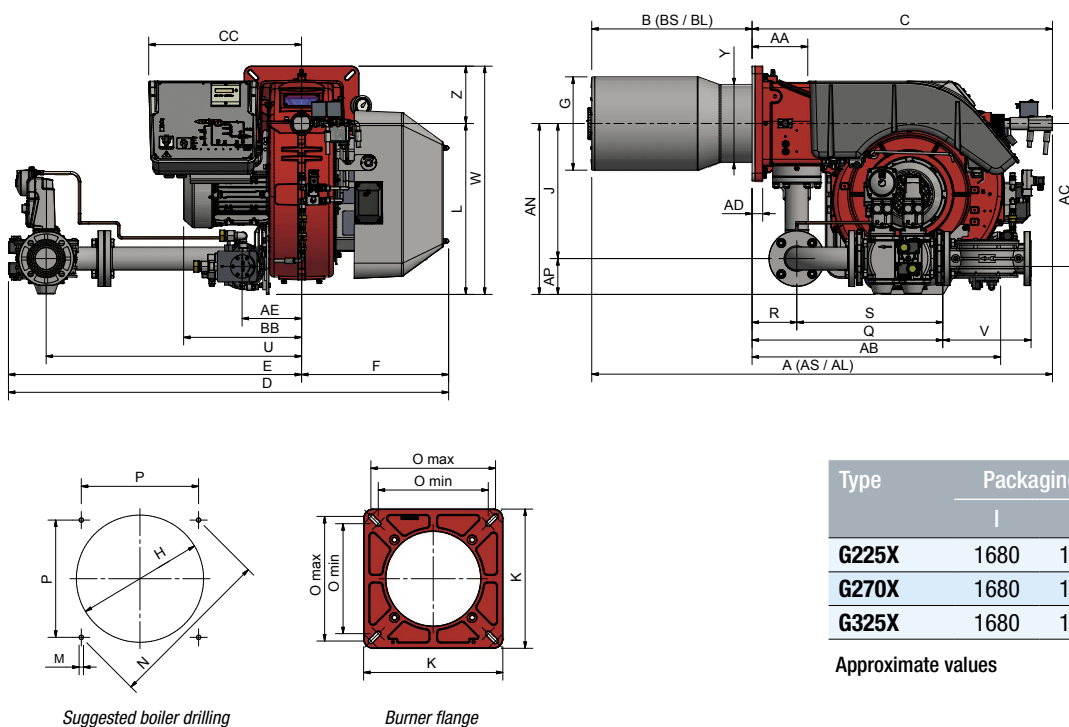
Therefore, the burners are provided with an UV photocell to control the flame during the operation.



## TECHNICAL DETAILS

| Type         | Model               | Output kW |       | Auxiliary electrical power supply | Motor electrical power supply | Fan motor kW | Pump motor kW | Gas connections Rp       | Noise level dBA |
|--------------|---------------------|-----------|-------|-----------------------------------|-------------------------------|--------------|---------------|--------------------------|-----------------|
|              |                     | min.      | max.  |                                   |                               |              |               |                          |                 |
| <b>G225X</b> | MG.xx.xR.xx.A.1.xxx | 230       | 2.250 | 230 V 1NAC 50 Hz                  | 400 V 3 AC 50 Hz              | 5,5          | 1,1           | 2" - DN65 - DN80 - DN100 | < 85            |
| <b>G270X</b> | MG.xx.xR.xx.A.1.xxx | 340       | 2.700 | 230 V 1NAC 50 Hz                  | 400 V 3 AC 50 Hz              | 5,5          | 1,1           | 2" - DN65 - DN80 - DN100 | < 85            |
| <b>G325X</b> | MG.xx.xR.xx.A.1.xxx | 620       | 3.250 | 230 V 1NAC 50 Hz                  | 400 V 3 AC 50 Hz              | 7,5          | 1,1           | 2" - DN65 - DN80 - DN100 | < 85            |

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

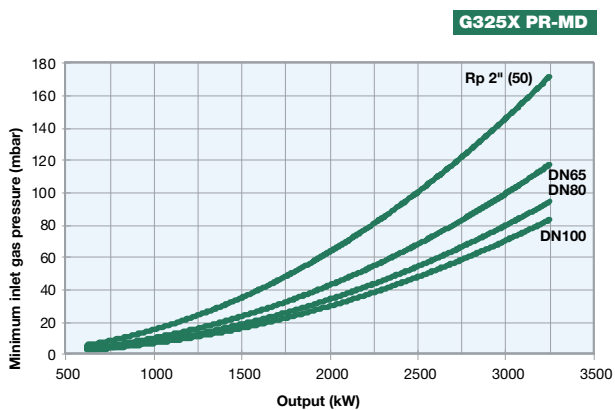
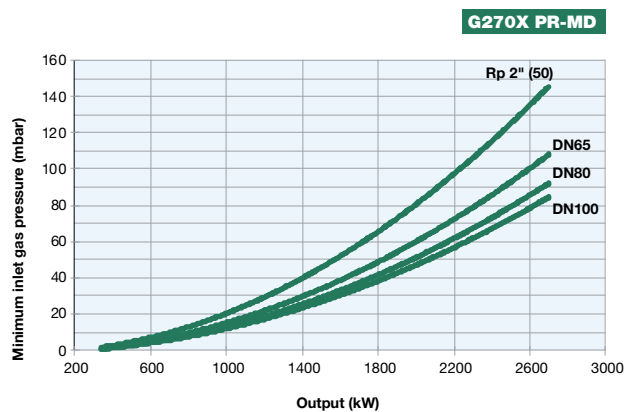
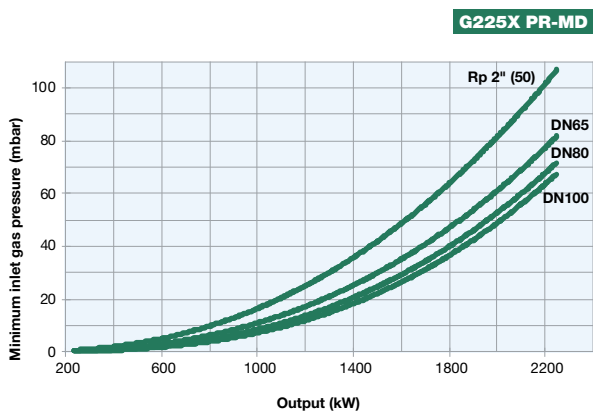
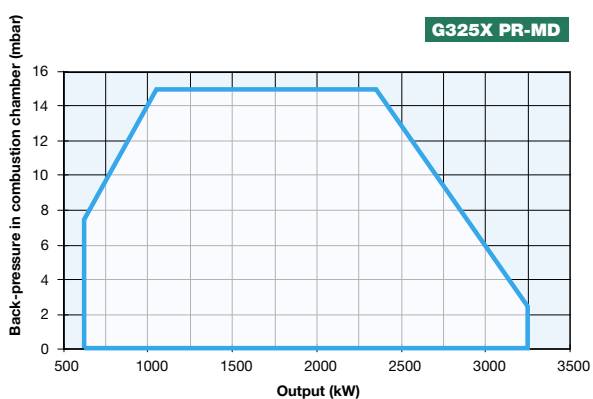
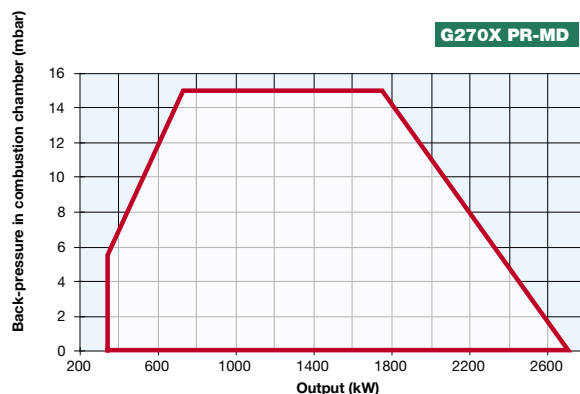
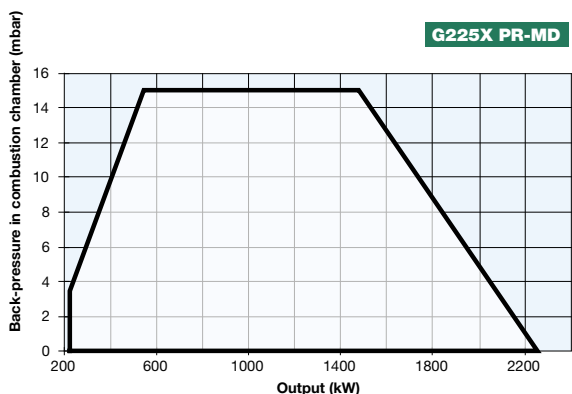
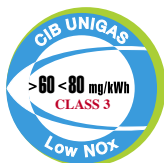


| Type         | Packaging dimensions (mm) |      |      |     |
|--------------|---------------------------|------|------|-----|
|              | l                         | p    | h    | kg  |
| <b>G225X</b> | 1680                      | 1200 | 1050 | 325 |
| <b>G270X</b> | 1680                      | 1200 | 1050 | 325 |
| <b>G325X</b> | 1680                      | 1200 | 1050 | 330 |

Approximate values

| Type  | Model               | Overall dimensions (mm) |      |      |     |     |    |     |     |     |     |     |     |      |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|---------------------|-------------------------|------|------|-----|-----|----|-----|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       |                     | AS                      | AL   | AA   | AB  | AC  | AD | AE  | AN  | AP  | BS  | BL  | BB  | C    | CC  | D    | E    | F   | G   | H   | J   | K   | L   | M   | N   | O   |     | P   | Q   | R   | S   | U   | V   | W   | Y   | Z   |
|       |                     | min.                    |      | max. |     |     |    |     |     |     |     |     |     |      |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| G225X | MG.xx.SR.xx.A.1.50  | 1360                    | 1460 | 181  | 823 | 474 | 35 | 197 | 550 | 100 | 380 | 480 | 395 | 980  | 509 | 1198 | 725  | 473 | 259 | 290 | 450 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 533 | 149 | 384 | 624 | 190 | 708 | 257 | 190 |
| G225X | MG.xx.SR.xx.A.1.65  | 1360                    | 1460 | 181  | 823 | 474 | 35 | 197 | 564 | 117 | 380 | 480 | 395 | 980  | 509 | 1443 | 970  | 473 | 259 | 290 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 636 | 149 | 487 | 845 | 292 | 708 | 257 | 190 |
| G225X | MG.xx.SR.xx.A.1.80  | 1360                    | 1460 | 181  | 823 | 474 | 35 | 197 | 579 | 132 | 380 | 480 | 395 | 980  | 509 | 1475 | 1002 | 473 | 259 | 290 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 687 | 149 | 538 | 875 | 310 | 708 | 257 | 190 |
| G225X | MG.xx.SR.xx.A.1.100 | 1360                    | 1460 | 181  | 823 | 474 | 35 | 197 | 592 | 145 | 380 | 480 | 395 | 980  | 509 | 1558 | 1085 | 473 | 259 | 290 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 791 | 149 | 642 | 942 | 353 | 708 | 257 | 190 |
| G270X | MG.xx.SR.xx.A.1.50  | 1401                    | 1501 | 181  | 823 | 474 | 35 | 197 | 550 | 100 | 380 | 480 | 395 | 1021 | 509 | 1251 | 725  | 526 | 259 | 290 | 450 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 533 | 149 | 384 | 624 | 190 | 708 | 257 | 190 |
| G270X | MG.xx.SR.xx.A.1.65  | 1401                    | 1501 | 181  | 823 | 474 | 35 | 197 | 564 | 117 | 380 | 480 | 395 | 1021 | 509 | 1496 | 970  | 526 | 259 | 290 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 636 | 149 | 487 | 845 | 292 | 708 | 257 | 190 |
| G270X | MG.xx.SR.xx.A.1.80  | 1401                    | 1501 | 181  | 823 | 474 | 35 | 197 | 579 | 132 | 380 | 480 | 395 | 1021 | 509 | 1528 | 1002 | 526 | 259 | 290 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 687 | 149 | 538 | 875 | 310 | 708 | 257 | 190 |
| G270X | MG.xx.SR.xx.A.1.100 | 1401                    | 1501 | 181  | 823 | 474 | 35 | 197 | 592 | 145 | 380 | 480 | 395 | 1021 | 509 | 1611 | 1085 | 526 | 259 | 290 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 791 | 149 | 642 | 942 | 353 | 708 | 257 | 190 |
| G325X | MG.xx.SR.xx.A.1.50  | 1451                    | 1551 | 181  | 823 | 474 | 35 | 197 | 550 | 100 | 430 | 530 | 471 | 1021 | 509 | 1212 | 725  | 526 | 284 | 320 | 450 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 533 | 149 | 384 | 624 | 190 | 708 | 257 | 190 |
| G325X | MG.xx.SR.xx.A.1.65  | 1451                    | 1551 | 181  | 823 | 474 | 35 | 197 | 564 | 117 | 430 | 530 | 471 | 1021 | 509 | 1496 | 970  | 526 | 284 | 320 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 636 | 149 | 487 | 845 | 292 | 708 | 257 | 190 |
| G325X | MG.xx.SR.xx.A.1.80  | 1451                    | 1551 | 181  | 823 | 474 | 35 | 197 | 579 | 132 | 430 | 530 | 471 | 1021 | 509 | 1528 | 1002 | 526 | 284 | 320 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 687 | 149 | 538 | 875 | 310 | 708 | 257 | 190 |
| G325X | MG.xx.SR.xx.A.1.100 | 1451                    | 1551 | 181  | 823 | 474 | 35 | 197 | 592 | 145 | 430 | 530 | 471 | 1021 | 509 | 1611 | 1085 | 526 | 284 | 320 | 447 | 380 | 518 | M12 | 453 | 300 | 340 | 320 | 791 | 149 | 642 | 942 | 353 | 708 | 257 | 190 |

Approximate values



**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.