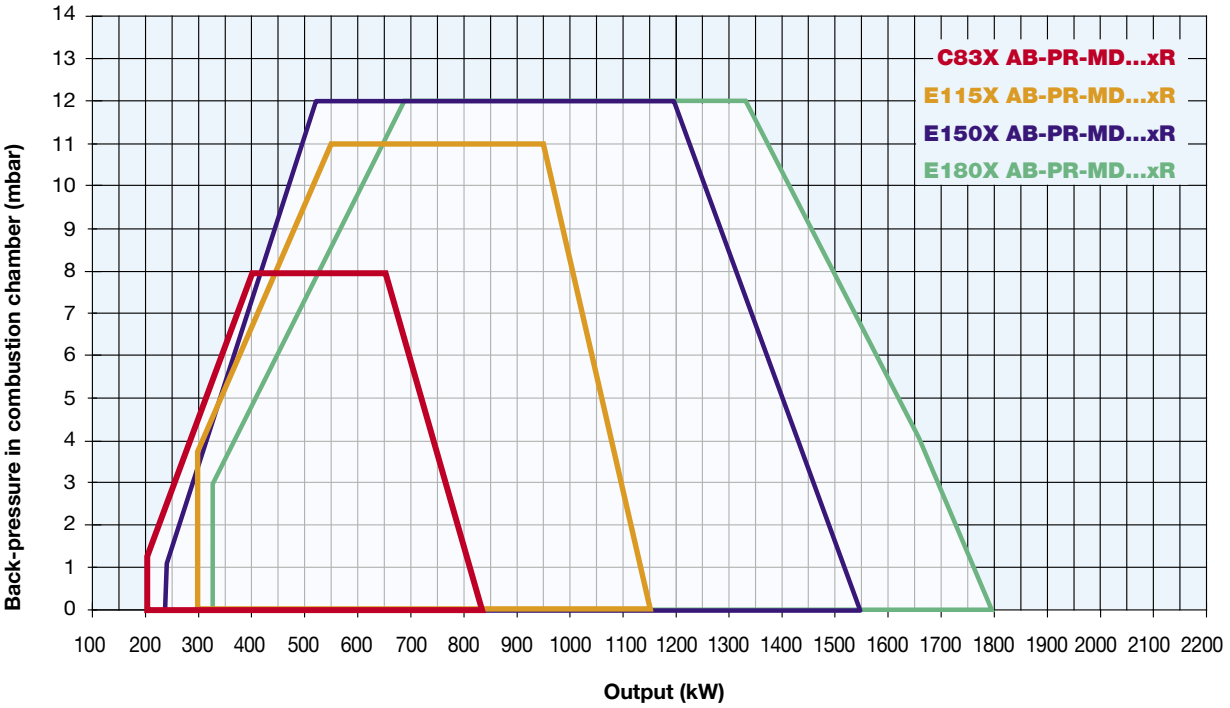
# C83X E115X E150X E180X...xR

GAS

TECNOPRESS burners **Low $NO_x$ Class 3 (< 80 mg/kWh)**, represent the average output range. This series is the result of the CIB UNIGAS great experience on burners with output up to 1.800 kW. It is charaterized by simple mechanical or electronic adjusting procedure and simple maintenance, thanks to the accessible placement of the components.
These models are equipped with air inlet silencer to reduce the noise level.

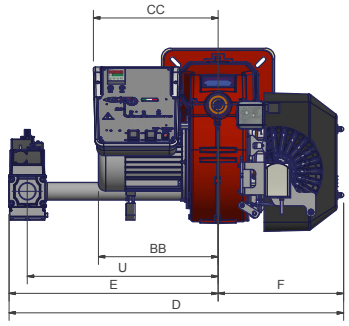


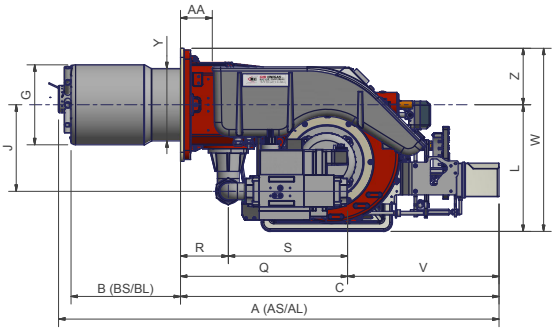


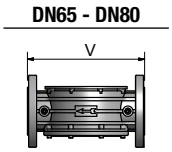
## TECHNICAL DETAILS

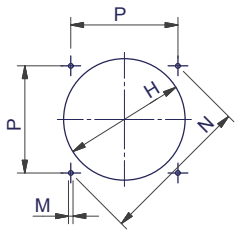
| Type | Model | Power kW | | Electric power | Fan motor | Gas connections | Noise level |
|---|---|---|---|---|---|---|---|
| | | min. | max. | supply | kW | | dBA |
| **C83X** | M-.xx.xR.xx.A.0.xx | 200 | 830 | 230/400 V 3N ac | 1,1 | 1"¼ - 1"½ - 2"- DN65 | < 75 |
| **E115X** | M-.xx.xR.xx.A.0.xx | 300 | 1.150 | 230/400 V 3N ac | 2,2 | 1"½ - 2"- DN65 - DN80 | < 75 |
| **E150X** | M-.xx.xR.xx.A.1.xx | 250 | 1.550 | 230/400 V 3N ac | 2,2 | 1"½ - 2"- DN65 - DN80 | < 75 |
| **E180X** | M-.xx.xR.xx.A.1.xx | 320 | 1.800 | 230/400 V 3N ac | 3,0 | 1"½ - 2"- DN65 - DN80 | < 75 |

For the configuration of the gas train, see page 101.

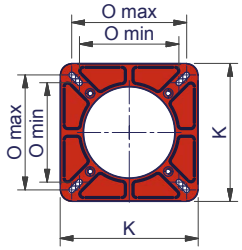



*Suggested boiler drilling*




*Burner flange*

| Type | Packaging dimensions (mm) | | | |
|---|---|---|---|---|
| | l | p | h | kg |
| **C83X** | 1345 | 835 | 750 | 60 |
| **E115X** | 1465 | 815 | 800 | 115 |
| **E150X** | 1465 | 815 | 800 | 125 |
| **E180X*** | 1465 | 815 | 800 | 125 |

Approximate values

* Approximate values (regarding model with gas train DN80)

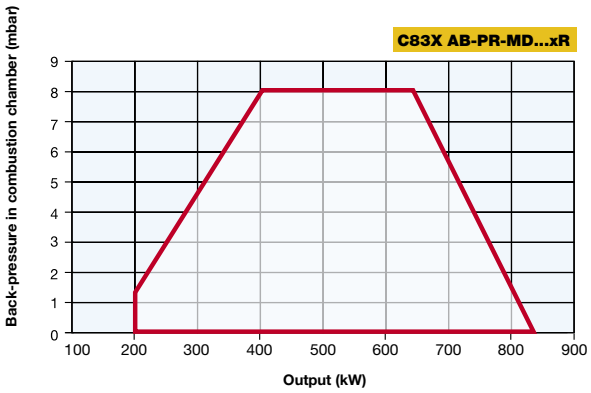
| Type | Model | Overall dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AA | AS | AL | BB | BS | BL | C | CC | D | E | F | G | H | I | J | K | L | M | N | O min. | O max. | P | Q | R | S | U | V | W | Y | Z |
| **C83X** | M-.xx.xR.xx.A.0.32 | 87 | 1207 | 1335 | 328 | 300 | 450 | 873 | 342 | 978 | 634 | 344 | 219 | 249 | 198 | 233 | 300 | 347 | M10 | 330 | 216 | 250 | 233 | 387 | 131 | 256 | 540 | - | 502 | 198 | 155 |
| **C83X** | M-.xx.xR.xx.A.0.40 | 87 | 1207 | 1335 | 328 | 300 | 450 | 873 | 342 | 978 | 634 | 344 | 219 | 249 | 198 | 233 | 300 | 347 | M10 | 330 | 216 | 250 | 233 | 461 | 131 | 330 | 540 | - | 502 | 198 | 155 |
| **C83X** | M-.xx.xR.xx.A.0.50 | 87 | 1207 | 1335 | 328 | 300 | 450 | 873 | 342 | 978 | 634 | 344 | 219 | 249 | 198 | 233 | 300 | 347 | M10 | 330 | 216 | 250 | 233 | 471 | 131 | 340 | 525 | - | 502 | 198 | 155 |
| **C83X** | M-.xx.xR.xx.A.0.65 | 87 | 1207 | 1335 | 328 | 300 | 450 | 873 | 342 | 1064 | 720 | 344 | 219 | 249 | 198 | 233 | 300 | 347 | M10 | 330 | 216 | 250 | 233 | 571 | 131 | 440 | 593 | 292 | 502 | 198 | 155 |
| **E115X** | M-.xx.xR.xx.A.0.40 | 69 | 1267 | 1352 | 372 | 305 | 390 | 928 | 352 | 953 | 591 | 362 | 219 | 249 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 457 | 130 | 327 | 541 | - | 608 | 210 | 155 |
| **E115X** | M-.xx.xR.xx.A.0.50 | 69 | 1267 | 1352 | 372 | 305 | 390 | 928 | 352 | 888 | 526 | 362 | 219 | 249 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 472 | 130 | 342 | 526 | - | 608 | 210 | 155 |
| **E115X** | M-.xx.xR.xx.A.0.65 | 69 | 1267 | 1352 | 372 | 305 | 390 | 928 | 352 | 1080 | 718 | 362 | 219 | 249 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 562 | 130 | 432 | 593 | 292 | 608 | 210 | 155 |
| **E115X** | M-.xx.xR.xx.A.0.80 | 69 | 1267 | 1352 | 372 | 305 | 390 | 928 | 352 | 1054 | 692 | 362 | 219 | 249 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 558 | 130 | 428 | 565 | 310 | 608 | 210 | 155 |
| **E150X** | M-.xx.xR.xx.A.1.40 | 69 | 1362 | 1428 | 372 | 400 | 500 | 928 | 352 | 1078 | 716 | 362 | 259 | 280 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 457 | 130 | 327 | 541 | - | 608 | 210 | 155 |
| **E150X** | M-.xx.xR.xx.A.1.50 | 69 | 1362 | 1428 | 372 | 400 | 500 | 928 | 352 | 1013 | 651 | 362 | 259 | 280 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 472 | 130 | 342 | 526 | - | 608 | 210 | 155 |
| **E150X** | M-.xx.xR.xx.A.1.65 | 69 | 1362 | 1428 | 372 | 400 | 500 | 928 | 352 | 1162 | 800 | 362 | 259 | 280 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 562 | 130 | 432 | 593 | 292 | 608 | 210 | 155 |
| **E150X** | M-.xx.xR.xx.A.1.80 | 69 | 1362 | 1428 | 372 | 400 | 500 | 928 | 352 | 1136 | 774 | 362 | 259 | 280 | 210 | 233 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 562 | 130 | 432 | 565 | 310 | 608 | 210 | 155 |
| **E180X** | M-.xx.xR.xx.A.1.40 | 69 | 1362 | 1462 | 403 | 400 | 500 | 928 | 352 | 1078 | 716 | 362 | 259 | 280 | 210 | 235 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 457 | 130 | 327 | 541 | - | 608 | 210 | 155 |
| **E180X** | M-.xx.xR.xx.A.1.50 | 69 | 1362 | 1462 | 403 | 400 | 500 | 928 | 352 | 1013 | 651 | 362 | 259 | 280 | 210 | 235 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 472 | 130 | 342 | 526 | - | 608 | 210 | 155 |
| **E180X** | M-.xx.xR.xx.A.1.65 | 69 | 1362 | 1462 | 403 | 400 | 500 | 928 | 352 | 1162 | 800 | 362 | 259 | 280 | 210 | 235 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 562 | 130 | 432 | 593 | 292 | 608 | 210 | 155 |
| **E180X** | M-.xx.xR.xx.A.1.80 | 69 | 1362 | 1462 | 403 | 400 | 500 | 928 | 352 | 1136 | 774 | 362 | 259 | 280 | 210 | 235 | 300 | 453 | M10 | 330 | 216 | 250 | 233 | 558 | 130 | 428 | 565 | 310 | 608 | 210 | 155 |

Approximate values

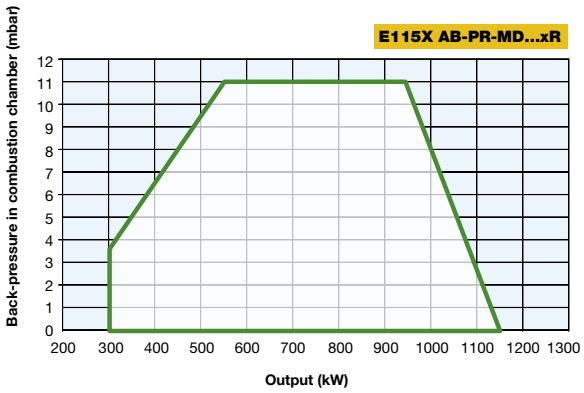
# C83X E115X E150X E180X...xR



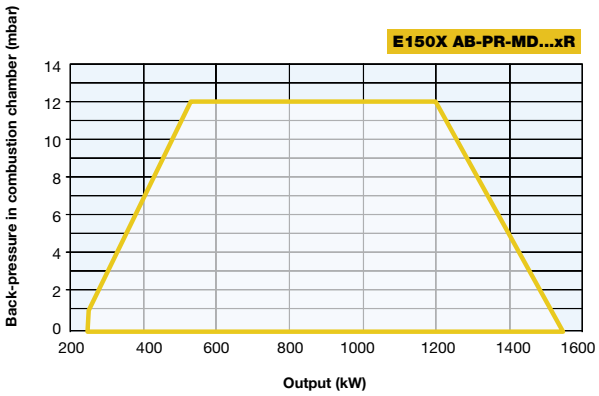
**C83X AB-PR-MD...xR**



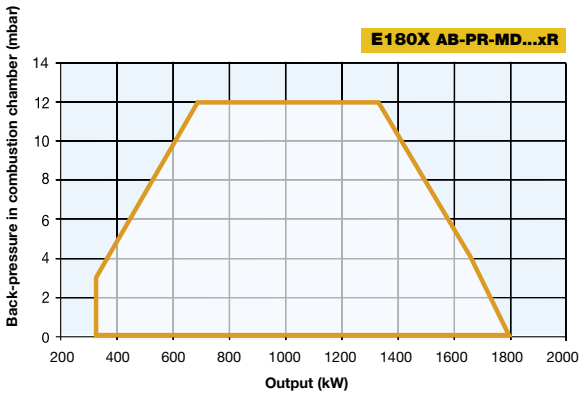

**E115X AB-PR-MD...xR**



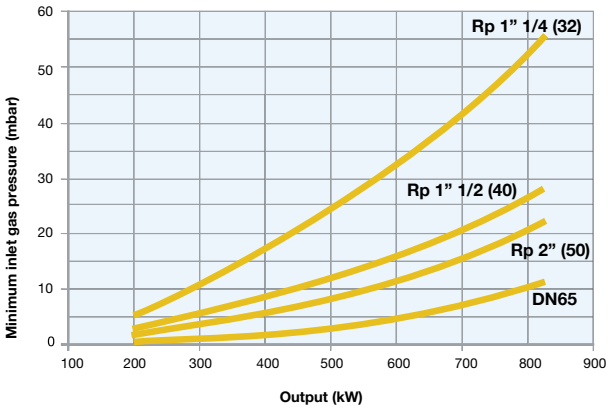

**E150X AB-PR-MD...xR**



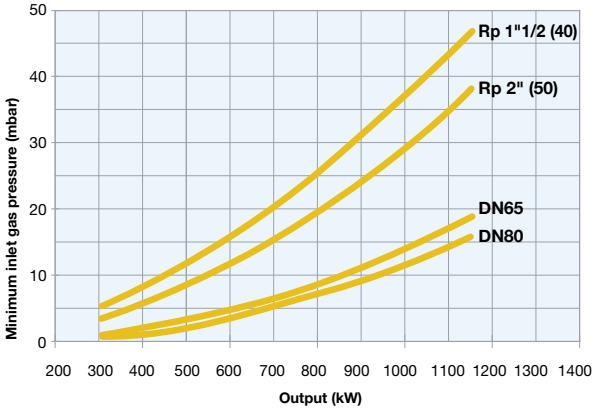

**E180X AB-PR-MD...xR**



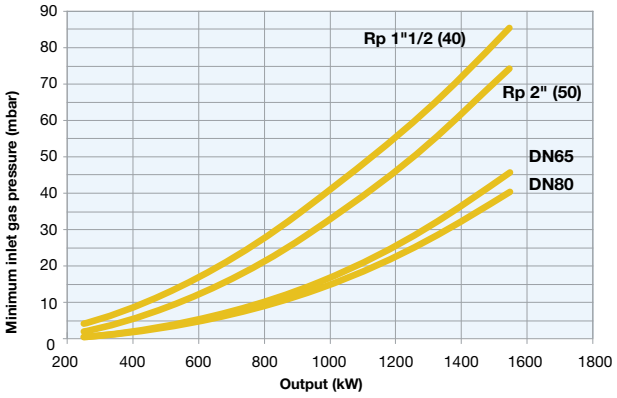

**C83X AB-PR-MD...xR**



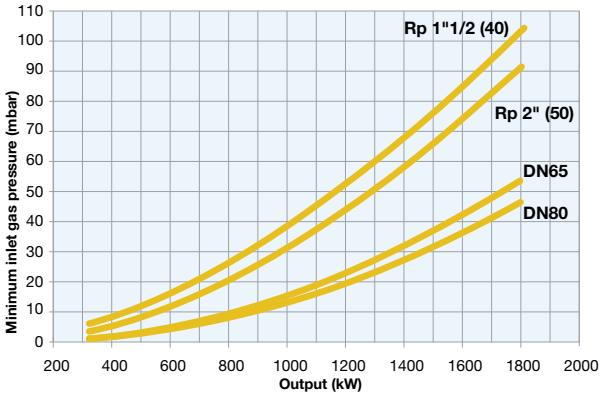

**E115X AB-PR-MD...xR**




**E150X AB-PR-MD...xR**




**E180X AB-PR-MD...xR**




**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.