

## BOGE C PM series

Best in Class



Made in Germany   
since 1907

Optimum values thanks to highly efficient permanent magnet motor



BOGE’s C series has always been our customers’ favourite – thanks to their modular construction, flexible expansion options and the smallest footprint in its class. BOGE has improved the C series in the performance range of 5.5 – 11 kW once more with a highly efficient permanent magnet motor which can combine improved performance levels with a pleasantly low noise level. The proverbial flexibility of the C series remains unchanged: whether dryer, receiver or high level controller – the choice remains yours!



Optimised free air delivery

Permanent magnet motors (PM) are not just the key to achieving lower noise emissions, they can achieve the best balance between free air delivery and efficiency: all the screw compressors in the C series with PM technology are able to produce considerably higher free air delivery using the same power consumption. Whether frequency-controlled or with direct drive, high free air delivery can be achieved in any continuous operation situation.



Increased ease of maintenance

There's a good reason why BOGE follows its own path: whereas many competitors' motors and airends are one single assembly, the new C series makes a clear separation between the airend and permanent magnet motor – a clear advantage when one or both of the components requires maintenance or exchange. Combined with ease of access, the result is an extremely maintenance-friendly design concept.



Restricted energy consumption

Practically any sector with a constant need for compressed air will benefit from lower energy consumption from the new BOGE screw compressors with permanent magnet motor. In the case of the C 9 PM – a frequency-controlled model in the 7.5 kW class – the potential energy savings are over six per cent. Especially with partial loads, all models in the C PM series show considerably improved efficiency values.



| BOGE Type | Maximum pressure |      | Actual quantity delivered 50 Hz |       |              |           | Motor power |     | Dimensions W x D x H mm | Weight kg |
|-----------|------------------|------|---------------------------------|-------|--------------|-----------|-------------|-----|-------------------------|-----------|
|           | bar              | psig | m³/min                          | cfm   | m³/min (max) | cfm (max) | kW          | HP  |                         |           |
| C 7 PM    | 7.5              | 109  | 0.30                            | 10.59 | 0.94         | 33.17     | 5.5         | 7.5 | 1,060 x 631 x 854       | 217       |
| C 7 PMR   | 10               | 145  | 0.30                            | 10.59 | 0.82         | 28.94     | 5.5         | 7.5 | 1,840 x 804 x 1,404     | 357       |
| C 7 PMDR  | 13               | 189  | 0.32                            | 11.29 | 0.68         | 24.00     | 5.5         | 7.5 | 1,990 x 804 x 1,404     | 395       |
| C 9 PM    | 7.5              | 109  | 0.30                            | 10.59 | 1.36         | 47.99     | 7.5         | 10  | 1,060 x 631 x 854       | 220       |
| C 9 PMR   | 10               | 145  | 0.30                            | 10.59 | 1.23         | 43.40     | 7.5         | 10  | 1,840 x 804 x 1,404     | 360       |
| C 9 PMDR  | 13               | 189  | 0.32                            | 11.29 | 1.02         | 35.99     | 7.5         | 10  | 1,990 x 804 x 1,404     | 409       |
| C 14 PM   | 7.5              | 109  | 0.30                            | 10.59 | 1.74         | 61.40     | 11          | 15  | 1,060 x 631 x 854       | 220       |
| C 14 PMR  | 10               | 145  | 0.30                            | 10.59 | 1.50         | 52.93     | 11          | 15  | 1,840 x 804 x 1,404     | 360       |
| C 14 PMDR | 13               | 189  | 0.32                            | 11.29 | 1.28         | 45.17     | 11          | 15  | 1,990 x 804 x 1,404     | 409       |



**B**est  
**O**f  
**G**erman  
**E**ngineering

Customers in more than 120 countries worldwide trust the BOGE brand. Already in its fourth generation, this family-run company directs all its experience into developing innovative solutions and exceptionally efficient products for the compressed air industry.