

# High tech for highest pressures: The **BOGE SRHV 470-10** Booster.

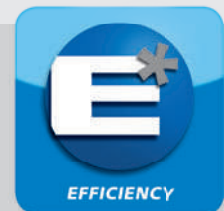


Free air delivery: 4559 l/min, 164 cfm (dependent on booster pressure)  
Max. pressure: 40 bar, 600 psig  
Rated power: 18.5 kW, 25 HP



Efficient and reliable boosting  
of a low pressure network to  
a higher final pressure!

40 bar  
↑  
10 bar



#### EXTREMELY POWERFUL

The BOGE SRHV 470-10 Booster is designed to increase the pressure of already treated compressed air from an existing network to the required higher final pressure.

#### EXTREMELY RELIABLE

For many years BOGE Booster compressors have proved to be extremely reliable even under extreme conditions. For this reason, they are used for de-dusting in the mining industry – defying dust, high ambient temperatures and continuous operation.

#### EXTREMELY VERSATILE

BOGE Boosters are also used in more complex compressor systems such as, for example, in the BOGE FLEXPET generating high pressure air for the production of PET bottles: This is where BOGE Boosters compress air from a standard compressor to a higher 40 bar final pressure.

#### EXTREMELY EFFICIENT

Increasing the pressure from an existing network by means of the BOGE Booster results in the reduction of energy input because unnecessary higher compression is avoided, thus enhancing the energy efficiency of the overall system.

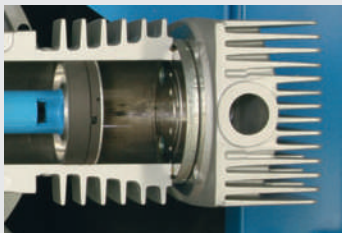

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**FIRST CLASS QUALITY. EQUIPMENT AT ITS BEST.**

**HIGH QUALITY**

The BOGE Booster only uses first class materials and state-of-the-art technologies, securing robustness and a prolonged service life.


**PRE-FILTER**

A pre-filter is integrated as standard in order to optimise intake air quality and the protection of compressor components along with optimum operational safety.


**INTEGRATED OIL LEVEL MONITORING**

Oil level monitoring comes as a standard in the BOGE Booster. This means increased operational system safety and reduced maintenance costs.


**VENTILATION INCLUDING CONDENSATE SEPARATION**

As an option, the BOGE Booster is available with ventilation including condensate separation in a compact design without the need for extra space.

**OVERVIEW OF THE BOGE BOOSTER COMPRESSORS SRHV 200-5 TO SRHV 470-10**

| BOGE Type                         | Flow capacity (Displacement) |     | Flow capacity at booster pressure |           |              |            | Volume flow (FAD acc. to DIN 1945) |     | Compressor speed min <sup>-1</sup> | Number of cylinders | Motor |      | Dimensions W x D x H approx. mm | Weight approx. kg |
|-----------------------------------|------------------------------|-----|-----------------------------------|-----------|--------------|------------|------------------------------------|-----|------------------------------------|---------------------|-------|------|---------------------------------|-------------------|
|                                   | l/min                        | cfm | 5 bar l/min                       | 5 bar cfm | 10 bar l/min | 10 bar cfm | l/min                              | cfm |                                    |                     | kW    | HP   |                                 |                   |
| <b>40 bar / 600 psig Standard</b> |                              |     |                                   |           |              |            |                                    |     |                                    |                     |       |      |                                 |                   |
| SRHV 200-5                        | 205                          | 7   | 1230                              | 44        | –            | –          | 937                                | 33  | 830                                | 2                   | 5.5   | 7.5  | 1300x740x890                    | 240               |
| SRHV 250-5                        | 248                          | 9   | 1488                              | 53        | –            | –          | 1150                               | 41  | 1010                               | 2                   | 7.5   | 10.0 | 1300x740x890                    | 215               |
| SRHV 450-5                        | 443                          | 16  | 2658                              | 94        | –            | –          | 2117                               | 75  | 1200                               | 3                   | 11.0  | 15.0 | 1300x740x874                    | 260               |
| SRHV 540-5                        | 535                          | 19  | 3210                              | 113       | –            | –          | 2573                               | 91  | 1450                               | 3                   | 15.0  | 20.0 | 1300x740x874                    | 270               |
| SRHV 170-10                       | 170                          | 6   | –                                 | –         | 1870         | 66         | 1575                               | 56  | 695                                | 2                   | 7.5   | 10.0 | 1300x740x890                    | 245               |
| SRHV 280-10                       | 278                          | 10  | –                                 | –         | 3058         | 108        | 2680                               | 94  | 1130                               | 2                   | 11.0  | 15.0 | 1300x740x890                    | 250               |
| SRHV 420-10                       | 417                          | 15  | –                                 | –         | 4587         | 162        | 3976                               | 140 | 1130                               | 3                   | 15.0  | 20.0 | 1300x740x874                    | 270               |
| SRHV 470-10                       | 469                          | 17  | –                                 | –         | 5159         | 182        | 4559                               | 164 | 1270                               | 3                   | 18.5  | 25.0 | 1300x740x874                    | 250               |