

# Compressed air station **SD 40-2** to **SD 150**



Effective free air delivery: 3.83 – 18.4 m<sup>3</sup>/min, 135 – 650 cfm  
Pressure range: 8 – 13 bar, 115 – 190 psig  
Motor range: 30 – 110 kW, 40 – 150 HP



## REFRIGERANT DRYERS

The frame mounted refrigerant dryer has a pressure dew point of +3°C (DIN ISO 7183) and simply drops into the top of the screw compressor cabinet enabling simple maintenance or removal if ever necessary.



## CYCLONE SEPARATOR

A cyclone separator with electronic loss free condensate drain is positioned before the dryer to remove any condensate before it enters the dryer.



## INTERNAL PIPEWORK

All oil carrying pipes are made of steel terminating with high quality precision threaded joints that are leak proof and safe even under the highest pressures. The entire machine utilises only one hose on the clean air side which also serves for vibration damping.



## OPERATOR PANEL AND CONTROL

The dryer controls are clearly visible on the compressor control panel. The BOGE FOCUS control which offers numerous monitoring and control features, comes as standard.

**This is how compact compressed air can be:** Standard S series components along with a refrigerant dryer are assembled into one standalone package reducing footprint size and eliminating installation costs. Flexibility doesn't end there: a dryer bypass is provided in the scope of delivery that allows for direct connection of the compressor to the compressed air network.

| BOGE Model | Max. pressure** |      | Effective free air delivery* |     | Motor power      |     |           |     | Dimensions silenced | Dimensions super-silenced | Compressed air outlet | Weight silenced kg | Weight super-silenced kg |
|------------|-----------------|------|------------------------------|-----|------------------|-----|-----------|-----|---------------------|---------------------------|-----------------------|--------------------|--------------------------|
|            | bar             | psig | m <sup>3</sup> /min          | cfm | Main drive motor |     | Fan motor |     | W x D x H mm        | W x D x H mm              |                       |                    |                          |
|            |                 |      |                              |     | kW               | HP  | kW        | HP  |                     |                           |                       |                    |                          |
| SD 40-2    | 8               | 115  | 5.17                         | 183 | 30               | 40  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 835                | 865                      |
|            | 10              | 150  | 4.63                         | 163 | 30               | 40  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 835                | 865                      |
|            | 13              | 190  | 3.83                         | 135 | 30               | 40  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 835                | 865                      |
| SD 50-2    | 8               | 115  | 6.35                         | 224 | 37               | 50  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 870                | 900                      |
|            | 10              | 150  | 5.78                         | 204 | 37               | 50  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 870                | 900                      |
|            | 13              | 190  | 4.95                         | 175 | 37               | 50  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 870                | 900                      |
| SD 60-2    | 8               | 115  | 7.00                         | 247 | 45               | 60  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 950                | 980                      |
|            | 10              | 150  | 6.34                         | 224 | 45               | 60  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 950                | 980                      |
|            | 13              | 190  | 5.36                         | 189 | 45               | 60  | 1.1       | 1.5 | 1620x 960x1665      | 1620x 960x1950            | G 1 1/4               | 950                | 980                      |
| SD 61-2    | 8               | 115  | 7.70                         | 272 | 45               | 60  | 1.5       | 2.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1250               | 1300                     |
|            | 10              | 150  | 6.92                         | 244 | 45               | 60  | 1.5       | 2.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1250               | 1300                     |
|            | 13              | 190  | 5.87                         | 207 | 45               | 60  | 1.5       | 2.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1250               | 1300                     |
| SD 75-2    | 8               | 115  | 9.33                         | 329 | 55               | 75  | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1350               | 1400                     |
|            | 10              | 150  | 8.30                         | 293 | 55               | 75  | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1350               | 1400                     |
|            | 13              | 190  | 7.11                         | 251 | 55               | 75  | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1350               | 1400                     |
| SD 90-2    | 8               | 115  | 10.80                        | 381 | 65               | 90  | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1425               | 1475                     |
|            | 10              | 150  | 9.65                         | 341 | 65               | 90  | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1425               | 1475                     |
|            | 13              | 190  | 9.20                         | 325 | 65               | 90  | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1425               | 1475                     |
| SD 100-2   | 8               | 115  | 12.10                        | 428 | 75               | 100 | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1335               | 1385                     |
|            | 10              | 150  | 10.50                        | 371 | 75               | 100 | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1335               | 1385                     |
|            | 13              | 190  | 9.20                         | 325 | 75               | 100 | 2.2       | 3.0 | 2000x1065x1910      | 2000x1065x1950            | G 1 1/2               | 1335               | 1385                     |
| SD 101     | 8               | 115  | 13.10                        | 463 | 75               | 100 | 2.2       | 3.0 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2135               | 2195                     |
|            | 10              | 150  | 11.40                        | 403 | 75               | 100 | 2.2       | 3.0 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2135               | 2195                     |
|            | 13              | 190  | 9.80                         | 346 | 75               | 100 | 2.2       | 3.0 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2135               | 2195                     |
| SD 125     | 8               | 115  | 15.70                        | 554 | 90               | 125 | 4.0       | 5.5 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2155               | 2215                     |
|            | 10              | 150  | 13.70                        | 484 | 90               | 125 | 4.0       | 5.5 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2155               | 2215                     |
|            | 13              | 190  | 12.00                        | 424 | 90               | 125 | 4.0       | 5.5 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2155               | 2215                     |
| SD 150     | 8               | 115  | 18.40                        | 650 | 110              | 150 | 4.0       | 5.5 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2220               | 2280                     |
|            | 10              | 150  | 16.30                        | 576 | 110              | 150 | 4.0       | 5.5 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2220               | 2280                     |
|            | 13              | 190  | 14.20                        | 501 | 110              | 150 | 4.0       | 5.5 | 2365x1335x2153      | 2365x1335x2250            | G 2 1/2               | 2220               | 2280                     |

\* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound level as per PN8NTC2.3 from 69 dB(A)

\*\* Max. pressure of the compressor