SCREW COMPRESSORS

Volumetric flow rate: 0.21 – 3.34 m³/min • 7 – 124 acfm
INTELLIGENTE DRUCKLUFT MADE IN GERMANY

ALMiG Kompressoren GmbH

a name that guarantees top-grade technology in the compressed air sector. ALMiG has emerged from a company with a long tradition whose products in the compressed air industry have always stood for quality, innovation and consideration for its customers.

Today ALMiG is an extremely flexible company that can react fast to special customer requests. It stands by its customers as a competent partner, giving advice and practical support.

As one of the leading suppliers of advanced compressed air systems, our commitment to continuous research and development forms the basis for all our products. ALMiG compressors are all manufactured in accordance with
• IRIS
• ISO 9001: 2000
• ISO 14001: 2004

They meet the conditions for acceptance in compliance with:
• ISO 1217-3 annex C-1996
• ASME
• OSHA
and conform to the CE guidelines.

Compliance with the most stringent acceptance conditions, such as
• DET NORSKE VERITAS
• GERMANISCHER LLOYD
• BUREAU VERITAS
• LLOYD’s REGISTER OF SHIPPING
• ABS
is a matter of course for us.

Our motto is:
If you have stopped improving, you have stopped being good!

Clean, dry compressed directly by your workstation - thanks to the 4-in-1 system!

- high quality compressed air – generated at low cost
- variety of versions thanks to modular design
- ready-to-connect, compact and quiet
- reliable technology, tried and tested components
INTELLIGENT MODULAR SYSTEM

COMBI 2S - 5S
200 l receiver

COMBI 6 - 15
270 l receiver

COMBI 16 - 22
500 l receiver
highest compressed air quality thanks to proven multi-stage separation

the intelligence of the compressor; thinks, monitors, records

highly efficient, operationally reliable V-belt drive

high performance, excellent efficiency

large surface area radiators for lowest compressed air outlet temperatures and optimum thermostat-controlled coolant temperatures

powerful, efficient, high performance

robust drive motor with reserves

available with refrigerant dryer, pre- and after-filters in the standard versions; optionally also available without refrigerant dryer, pre- and after-filters

COMBI, the powerful total solution for:

- minor compressed air requirements
- and decentralised compressed air production
According to DIN ISO 8573 – 1 this means:

Residual constituents in compressed air

<table>
<thead>
<tr>
<th>Residual constituent</th>
<th>Volume</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil</td>
<td>0.1 mg/m³</td>
<td>2</td>
</tr>
<tr>
<td>Particles</td>
<td>&lt; 1 µm</td>
<td>2</td>
</tr>
<tr>
<td>Water</td>
<td>PDP 3 - 5° C/37 - 41 F</td>
<td>5</td>
</tr>
</tbody>
</table>

Treatment: available as standard with refrigerant dryer, pre- and after-filters* optionally available without refrigerant dryer, pre- and after-filters
INTELLIGENT 4-IN-1 SYSTEM

COMBI – low-noise compact plant for small spaces

Our COMBI product series is the space-saving, economical 4-in-1 solution from ALMiG. It combines compressor, refrigerant dryer, filter system and receiver in a compact, powerful plant.

The small space requirement of 1m² and extremely low noise level enable these machines to be installed directly where you need the compressed air. This means that your company spares itself major investments in expensive compressed air piping.

Another advantage of these new compact compressors is the low weight and ease with which they can be transported. A fork lifter is sufficient to install the entire compressed air station on site.

The product range comprises:

- 3 different sized receivers:
  - COMBI 2S-5S: 200 l standard / 270 l optional
  - COMBI 6-15: 270 l standard / 500 l optional
  - COMBI 16-22: 500 l standard
- with/without refrigerant dryer
- with/without compressed air filter
- diverse controls in accordance with your requirements
- plus many more advantages

COMBI, the complete compressed air station

A system like this or … ... the COMBI!!
### 50 Hz

<table>
<thead>
<tr>
<th>COMBI Vol. flow rate according to ISO 1217 (annex C-1996)</th>
<th>Rated motor output</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 bars m³/min</td>
<td>10 bars m³/min</td>
<td>13 bars m³/min</td>
<td>kW</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>2S*</td>
<td>0.27</td>
<td>0.21</td>
<td>-</td>
<td>2.2</td>
<td>1400</td>
</tr>
<tr>
<td>3S*</td>
<td>0.38</td>
<td>0.30</td>
<td>-</td>
<td>3</td>
<td>1400</td>
</tr>
<tr>
<td>4S*</td>
<td>0.55</td>
<td>0.47</td>
<td>0.34</td>
<td>4</td>
<td>1400</td>
</tr>
<tr>
<td>5S*</td>
<td>0.76</td>
<td>0.67</td>
<td>0.55</td>
<td>5.5</td>
<td>1400</td>
</tr>
<tr>
<td>6**</td>
<td>0.83</td>
<td>0.72</td>
<td>0.62</td>
<td>5.5</td>
<td>1120</td>
</tr>
<tr>
<td>8**</td>
<td>1.10</td>
<td>1.04</td>
<td>0.85</td>
<td>75</td>
<td>1120</td>
</tr>
<tr>
<td>11**</td>
<td>1.60</td>
<td>1.39</td>
<td>1.22</td>
<td>11</td>
<td>1120</td>
</tr>
<tr>
<td>15**</td>
<td>1.97</td>
<td>1.84</td>
<td>1.58</td>
<td>15</td>
<td>1120</td>
</tr>
<tr>
<td>15,1**</td>
<td>2.18</td>
<td>1.94</td>
<td>1.71</td>
<td>15</td>
<td>1120</td>
</tr>
<tr>
<td>16***</td>
<td>2.37</td>
<td>2.10</td>
<td>1.85</td>
<td>15</td>
<td>1900</td>
</tr>
<tr>
<td>18***</td>
<td>2.85</td>
<td>2.62</td>
<td>2.31</td>
<td>18</td>
<td>1900</td>
</tr>
<tr>
<td>22***</td>
<td>3.34</td>
<td>3</td>
<td>2.69</td>
<td>22</td>
<td>1900</td>
</tr>
</tbody>
</table>

1. Weights without refrigerant dryer, with refrigerant dryer: COMBI 2S - 5S: + 20 kg
   COMBI 6 - 15,1: + 35 kg
   COMBI 16 - 22: + 40 kg

* Standard with 200-litre receiver,
  available optionally with 270-litre receiver:
  hence: (L x W x H): 1120 x 550 x 1410 mm
  Weight: + 20 kg without refrigerant dryer

** Standard with 270-litre receiver,
  available optionally with 500-litre receiver:
  hence: (L x W x H): 1900 x 685 x 1680 mm
  Weight: + 65 kg without refrigerant dryer

*** Only available with 500-litre receivers

Heat recovery systems available from COMBI 6 model upwards

### 60 Hz

<table>
<thead>
<tr>
<th>COMBI Vol. flow rate according to ISO 1217 (annex C-1996)</th>
<th>Rated motor output</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 psig acfm</td>
<td>125 psig acfm</td>
<td>150 psig acfm</td>
<td>190 psig acfm</td>
<td>HP</td>
<td>inch</td>
</tr>
<tr>
<td>2 / 3S*</td>
<td>10</td>
<td>9</td>
<td>7</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>3 / 4S*</td>
<td>14</td>
<td>13</td>
<td>10</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>4 / 5S*</td>
<td>20</td>
<td>19</td>
<td>16</td>
<td>12</td>
<td>5.5</td>
</tr>
<tr>
<td>5 / 7S**</td>
<td>28</td>
<td>26</td>
<td>23</td>
<td>19</td>
<td>75</td>
</tr>
<tr>
<td>6 / 8**</td>
<td>31</td>
<td>28</td>
<td>25</td>
<td>22</td>
<td>75</td>
</tr>
<tr>
<td>8 / 10**</td>
<td>41</td>
<td>38</td>
<td>36</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>11 / 15**</td>
<td>59</td>
<td>55</td>
<td>48</td>
<td>43</td>
<td>15</td>
</tr>
<tr>
<td>15 / 20**</td>
<td>73</td>
<td>67</td>
<td>64</td>
<td>56</td>
<td>20</td>
</tr>
<tr>
<td>15,1 / 20,1**</td>
<td>81</td>
<td>75</td>
<td>67</td>
<td>60</td>
<td>20</td>
</tr>
<tr>
<td>16 / 21***</td>
<td>88</td>
<td>81</td>
<td>73</td>
<td>65</td>
<td>20</td>
</tr>
<tr>
<td>18 / 25***</td>
<td>106</td>
<td>98</td>
<td>91</td>
<td>82</td>
<td>25</td>
</tr>
<tr>
<td>22 / 30***</td>
<td>124</td>
<td>114</td>
<td>104</td>
<td>95</td>
<td>30</td>
</tr>
</tbody>
</table>

2. Weights without refrigerant dryer, with refrigerant dryer: COMBI 2S - 5S: + 44 lbs
   COMBI 6 / 8 - 15,1: + 77 lbs
   COMBI 16 / 21 - 22 / 30: + 88 lbs

* Standard with 53-gallon receiver,
  available optionally with 71-gallon receiver:
  hence: (L x W x H): 44 x 22 x 55.5 inch
  Weight: + 44 lbs without refrigerant dryer

** Standard with 71-gallon receiver,
  available optionally with 132-gallon receiver:
  hence: (L x W x H): 75 x 27 x 66 inch
  Weight: + 143 lbs without refrigerant dryer

*** Only available with 132-gallon receivers

Heat recovery systems available from COMBI 6 / 8 model upwards

Weights without refrigerant dryer,
In line with the customer’s needs

With our innovative system concepts we offer customised solutions for almost all applications. Our endeavour lies not only in supplying compressors, we offer ourselves as a competent system provider capable of offering solutions to all users of compressed air. That does not only apply to the consultation and installation phase of your new compressor(s), but naturally continues in all areas of service, maintenance and visualisation.

Challenge us!

<table>
<thead>
<tr>
<th>Screw compressors</th>
<th>Piston compressors</th>
<th>Turbocompressors</th>
<th>Blower</th>
<th>Complete accessories</th>
<th>Control, regulate, monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>constant speed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>base load changeover controls</td>
</tr>
<tr>
<td>2.2 – 500 kW/5 – 13 bars</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>consumption-related controls</td>
</tr>
<tr>
<td>variable speed-controlled and direct drive</td>
<td>2.2 – 355 kW/5 – 13 bars</td>
<td></td>
<td></td>
<td></td>
<td>visualisation (we bring your compressed air to the PC)</td>
</tr>
<tr>
<td>oil-free, with water injection</td>
<td>1.5 – 86 kW/5 – 13 bars</td>
<td></td>
<td></td>
<td></td>
<td>tele-monitoring (the hotline of your compressed air station)</td>
</tr>
<tr>
<td>1.5 – 86 kW/5 – 13 bars</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Your expert advisor