



**BERG** Kompressoren GmbH  
Compressed Air Technology | Air Separation

**Technische Daten** / technical data sheet **ZXF55**

**BERG Kompressor ölfrei mit Frequenzregelung, Direktantrieb**

**BERG Air-cooled Oil-free Screw Compressor, direct drive**

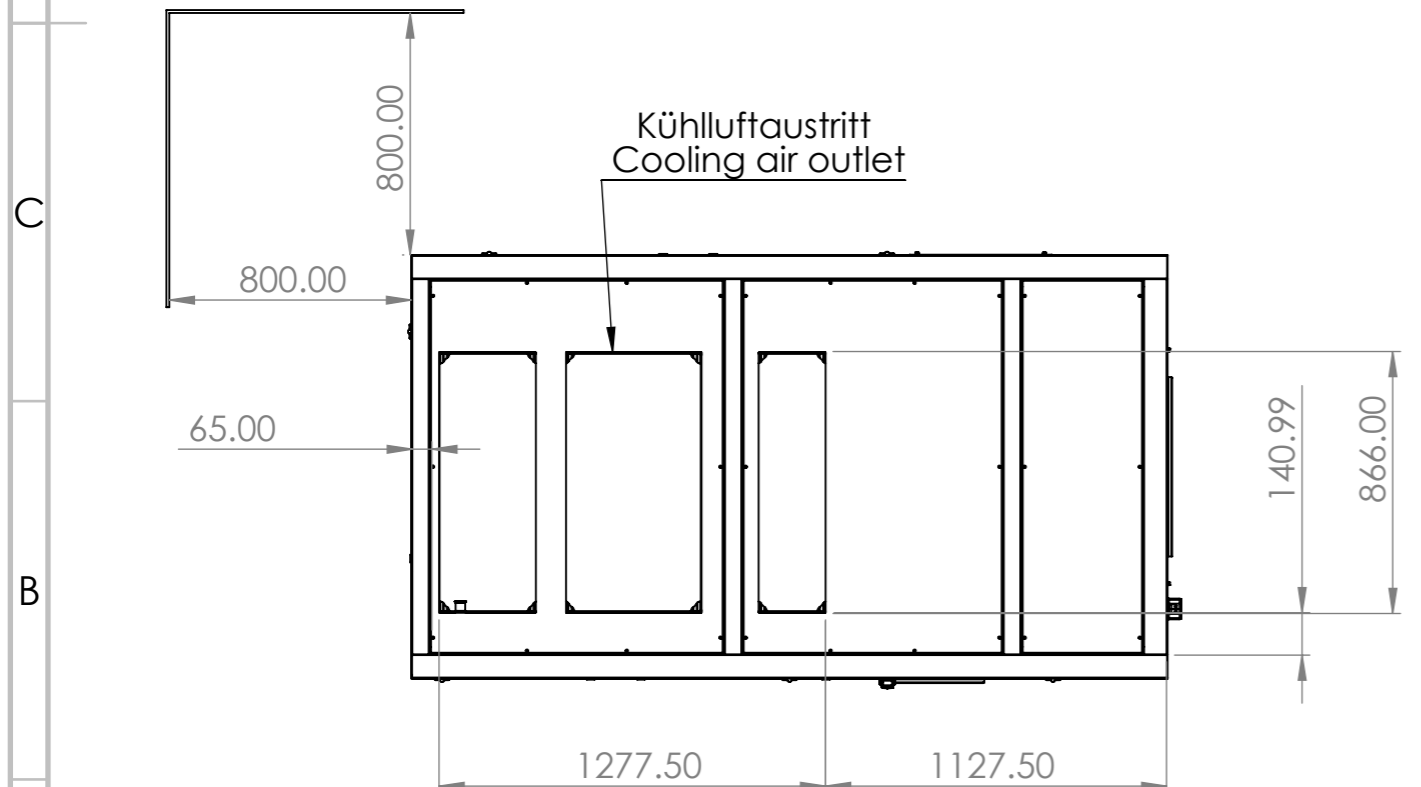
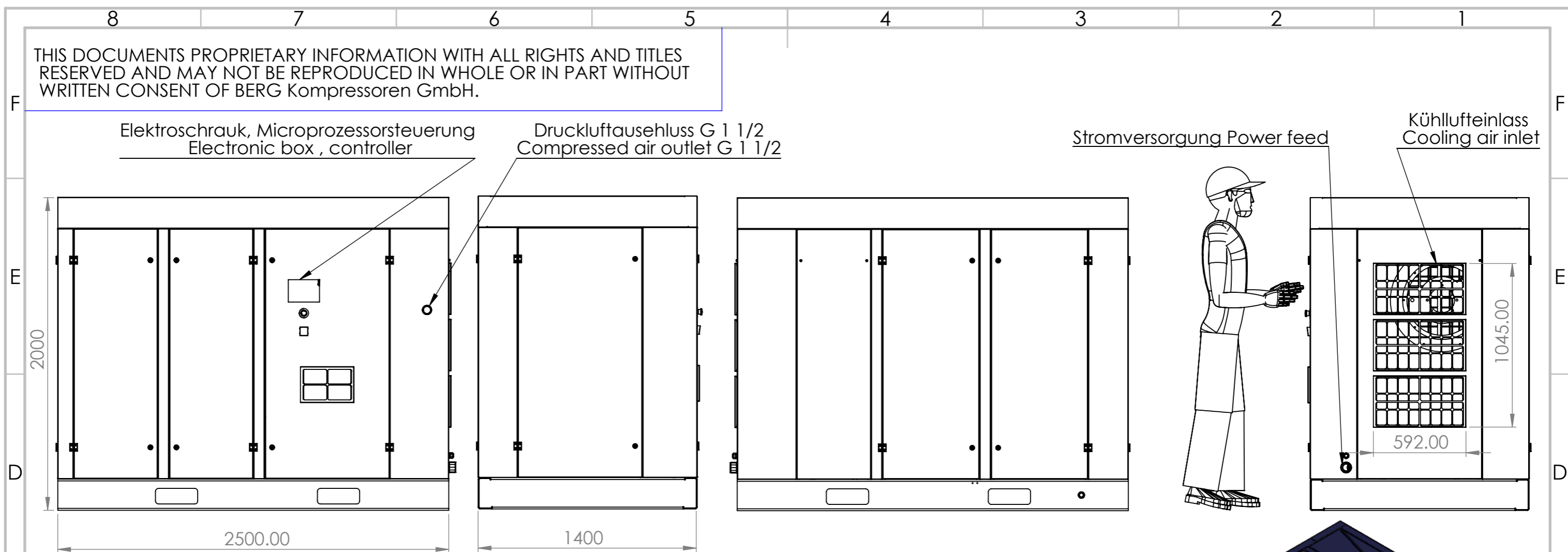
| Typ / type   | ZXF55   | bar                      | m3/min | cfm    |
|--|---|--------------------------|--------|--------|
| Liefermenge bei Betriebsdruck<br>Capacity (FAD) at gauged pressure | gemäß ISO 1217 Annex C<br>according to ISO 1217 Annex C | 8                        | 7.90   | 278.87 |
|  |   | 10                       | 6.60   | 232.98 |
| Maximale Luftfeuchtigkeit / Maximum Humidity                       |   |                          | 100%   |        |
| Verdichterstufe / Air end  | Typ   | GHH rand CD8D            |        |        |
| Motordaten / motor details   |   | Siemens                  |        |        |
| Nennleistung / nominal power                                       | kW  | 55                       |        |        |
| Drehzahl / speed (ca. je nach Betriebsdruck)                       | min <sup>-1</sup>                                       | 2980                     |        |        |
| Spannung / voltage   | V   | 400                      |        |        |
| Frequenz / frequency   | Hz  | 50                       |        |        |
| Schutzart / protection   | IP  | 55                       |        |        |
| Isolationsklasse / isolation class                                 | ISO   | F                        |        |        |
| Frequenzumrichter / Variable Speed Drive (VSD) optional            |   | Siemens Germany          |        |        |
| Einschaltung / start   |   | direkt über FU           |        |        |
| Schallpegel / sound level  | dB(A)   | 85                       |        |        |
| Ölkreislauf / Oil cycle  |   |                          |        |        |
| Luftinhalt des Kompressors / Air cooling capacity                  | l   | 45                       |        |        |
| Kühlung / cooling  |   |                          |        |        |
| Luft / Air   |   |                          |        |        |
| Kühlluftbedarf / cooling required @ 100% luft                      | m <sup>3</sup> /h                                       | 16500.0                  |        |        |
| Drucklufttemperatur über / compressed air outlet temperature       | K   | 10°C above ambient Temp. |        |        |
| Anschlussdaten /connection details                                 |   |                          |        |        |
| Druckluftausgang /connection details                               | "   | G 1 1/2                  |        |        |
| Elektroanschluss-Zuleitung   | mm <sup>2</sup>   | 3x50+PE                  |        |        |
| Motornennstrom / motor nominal current                             | A   | 160                      |        |        |
| Absicherung (träge) / recom. HRC fuse                              | A   | 125                      |        |        |
| Abmessungen / dimensions   |   |                          |        |        |
| L x B x H  | mm  | 2500 x 1400 x 2000       |        |        |
| Gewicht / weight   | kg  | 3400                     |        |        |
| Umgebungstemperatur / ambient temperature                          | °C  | min. + 5 / max. +40      |        |        |

Pulverbeschichtungsfarbe: RAL 7047 (Rahmen), RAL 5002 (Türen)

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ölfreie kompressoren / oil free compressor

- 1:1 Direktantrieb ohne Getriebe / direct driven without gearbox
- Motorleistung / main motor power: 55 kW

W mit Grundrahmen aus Stahlträgern, Schalldämmgehäuse aus Stahlblechprofilen und abnehmbaren Blechtüren / with carbon steel base frame, sound enclosure composed of sheet metal profiles and removeable sheet metal door panels

Pulverbeschichtung / powder coating: RAL 5002 (Türen/doors)

|   |  |  |              |            |
|---|--|--|--------------|------------|
|  <b>BERG Kompressoren GmbH</b><br><a href="http://www.berg-kompressoren.de">www.berg-kompressoren.de</a>                                       | <b>ADDRESS: BERG Kompressoren GmbH</b><br>Medienstraße 35 47807 Krefeld, Deutschland |  | REVISION     |            |
|   | DO NOT SCALE IF IN DOUBT ASK   | project name / number : ZXF 55               |              | SCALE:1:50 |
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|    | Drawing No/Sheet : ZXF55   |  | SHEET 1 OF 1 |            |