

# Technische Daten / technical data sheet

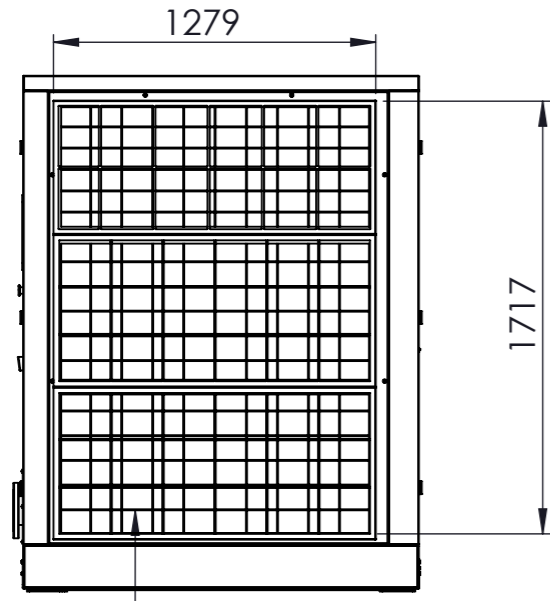
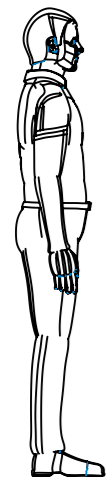


**BERG Kompressor Schraubenkompressor mit Inverter, Direktantrieb**  
**BERG Screw Compressor with inverter, direct drive, 1:1**

Typ / type	<b>KOMPBERG® BSDF 250</b>		bar	m3/min	cfm
Liefermenge bei Betriebsdruck gemäß ISO 1217 Annex C Capacity (FAD) at gauged pressure according to ISO 1217 Annex C		7.5		20 - 40	706.3 - 1412.6
		10		18 - 36	635.6 - 1271.3
		13		15 - 30	529.7 - 1059.4
Behälter / air receiver		I		10000 (optional)	
Verdichterstufe / air end		Typ		BERG B Series	
<b>Motordaten / motor and controller details</b>					
Nennleistung / nominal power		kW		250	
Drehzahl / speed (ca. je nach Betriebsdruck)		min <sup>-1</sup>		2980	
Spannung / voltage		V		400 / 480 upon request	
Frequenz / frequency		Hz		50 / 60 upon request	
Schutzart / protection		IP		55	
Isolationsklasse / isolation class		ISO		F	
Frequenzumrichter / Variable Speed Drive (VSD)				YASKAWA / Danfoss	
SPS- und HMI-Steuerungen / PLC and HMI controllers				SIEMENS	
Bauform / type of construction				B3	
Einschaltung / start				geregelt / contr.	
<b>Ölkreislauf / oil circuit</b>					
Ölinhalt des Kompressors / oil capacity		l		100	
Restölgehalt / oil carry over		mg/m <sup>3</sup>		1-3	
<b>Kühlung / cooling</b>					
Kühlluftbedarf / cooling air required		m <sup>3</sup> /h		36000.0	
Drucklufttemperatur über / compressed air outlet temperature		K		10°C above ambient Temp.	
Umgebungstemperatur / ambient temperature		°C		min. +5 / max. +40	
<b>Anschlussdaten /connection details</b>					
Druckluftausgang /connection details		inch		DN 100	
Elektroanschluss-Zuleitung / section of electr. Cable		mm <sup>2</sup>		3x300+PE	
Motornennstrom / motor nominal current		A		400	
<b>Abmessungen / dimensions</b>					
L x B x H / L x W x H		mm		4000 x 2100 x 2200	
Gewicht / weight		kg		5950	
Schallpegel / sound level		dB(A)		85	

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

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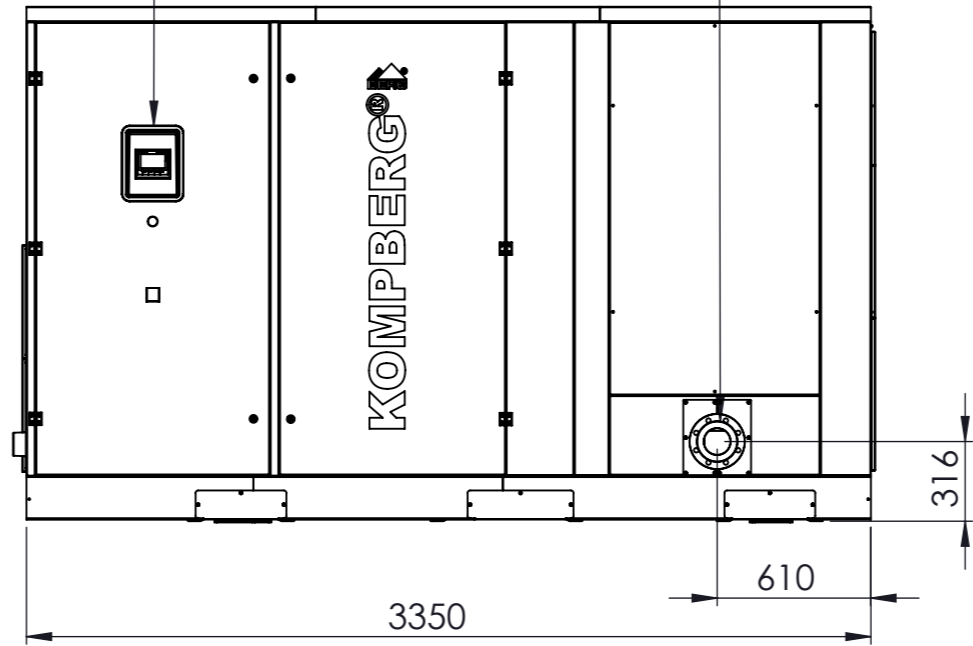


Kühluffeinlass  
Cooling air inlet

Elektroschrauk, Microprozessorsteuerung  
Electronic box, controller

Druckluftausehlass DN100  
Compressed air outlet DN100

Kühluffeinlass  
Cooling air inlet



2046

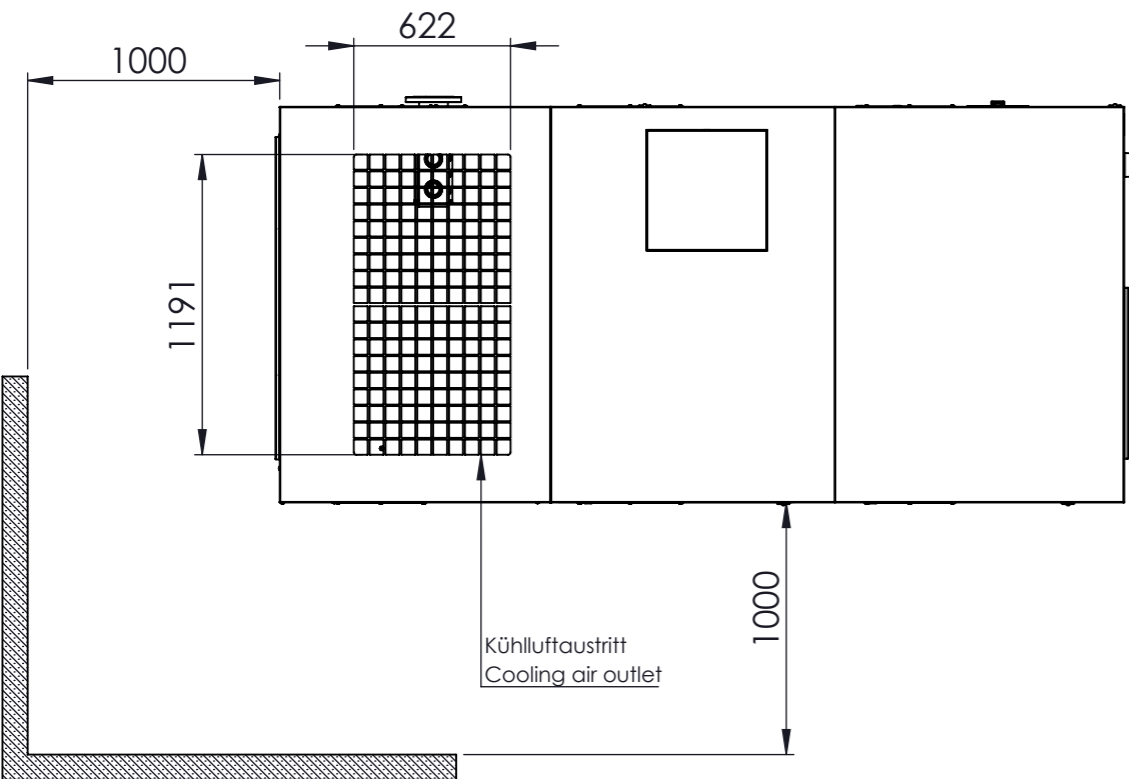
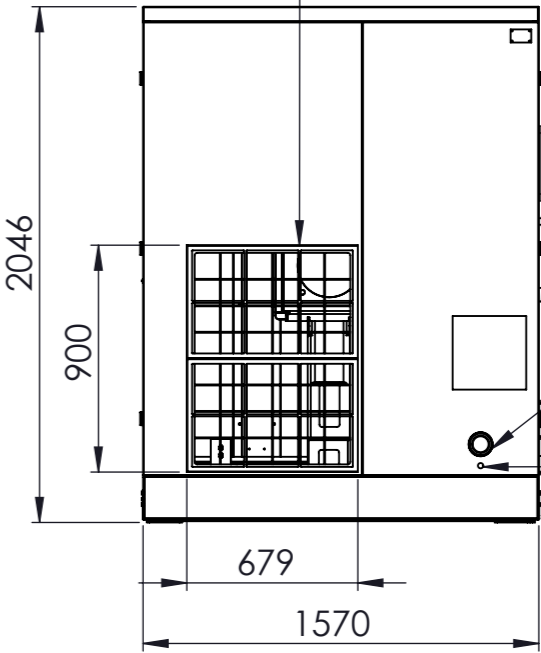
900

679

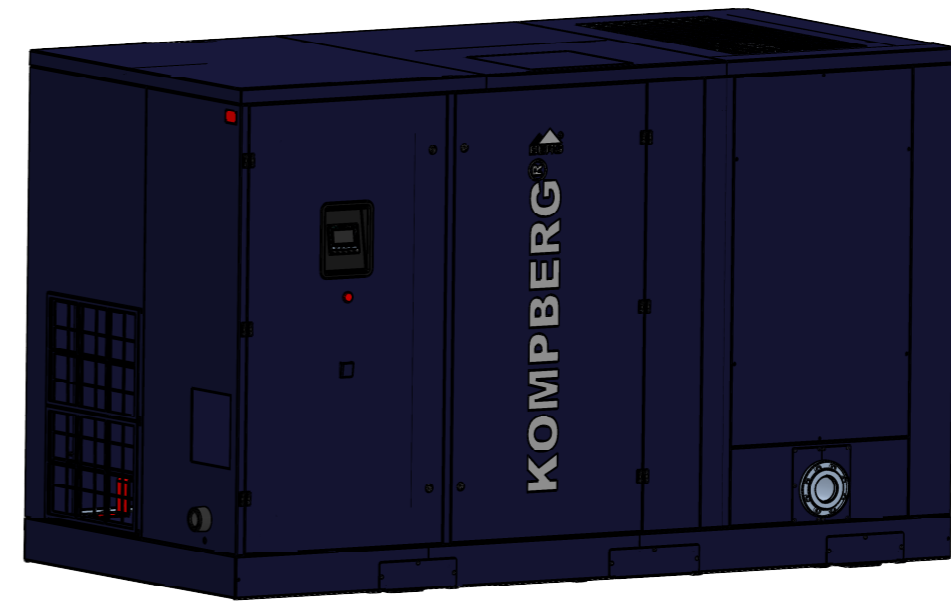
1570

Stromversorgung  
Power feed

Masse  
Earthing



Kühlluftaustritt  
Cooling air outlet



Schraubenkompressor / oil lubricated screw compressor

- 1:1 Direktantrieb ohne Getriebe / direct driven without gearbox
- Motorleistung / main motor power: 200 kW / 250 kW
- 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)

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	<p>DO NOT SCALE IF IN DOUBT ASK</p>	<p>WEIGHT N/A</p>	<p>PROJECT NAME/NUMBER BSDF200_250</p>	<p>SCALE 1:30</p>
		<p>TITLE Schraubenkompressor KOMPBERG® BSDF 200/250</p>		<p>SIZE A3</p>
	<p>DRAWING NO. / SHEET NAME BSDF200_250_GA</p>		<p>SHEET 1/1</p>	