

# Technische Daten / technical data sheet

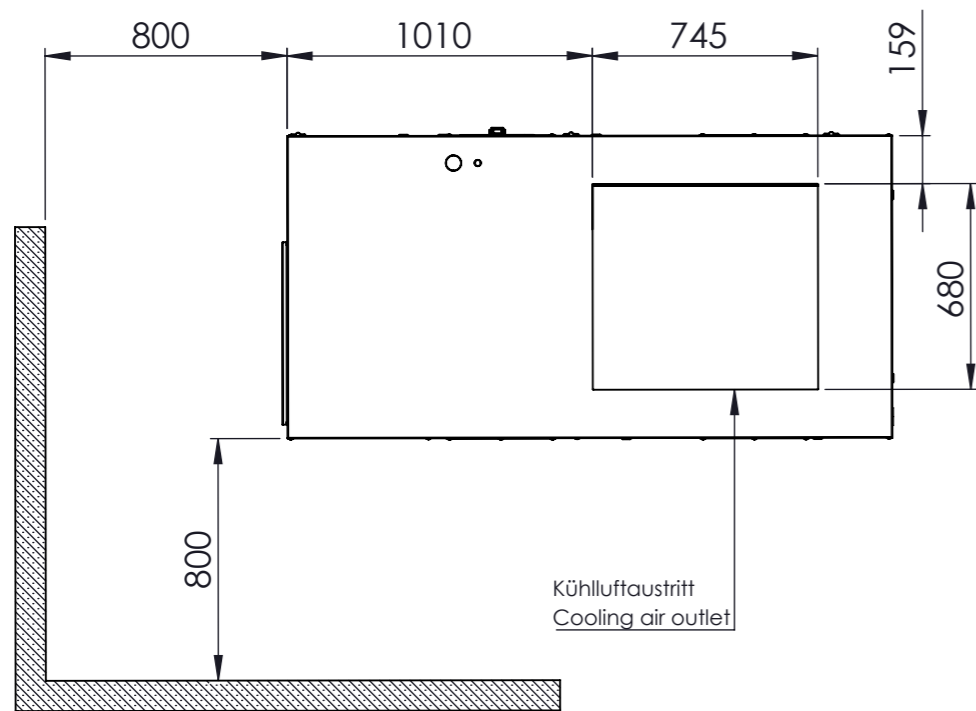
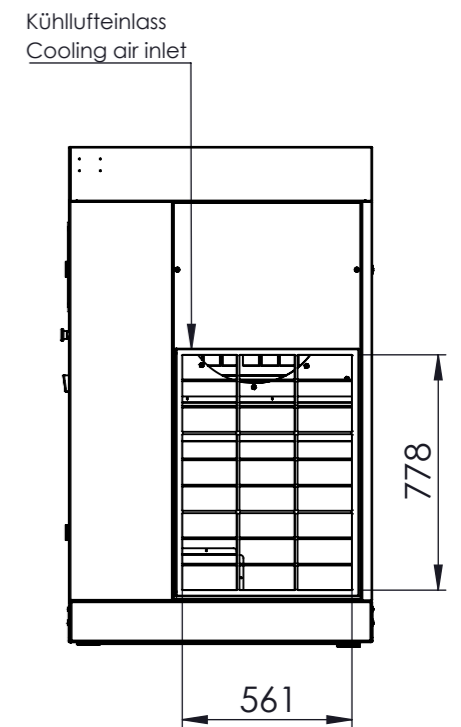
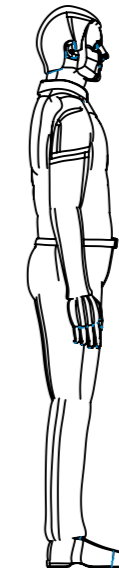
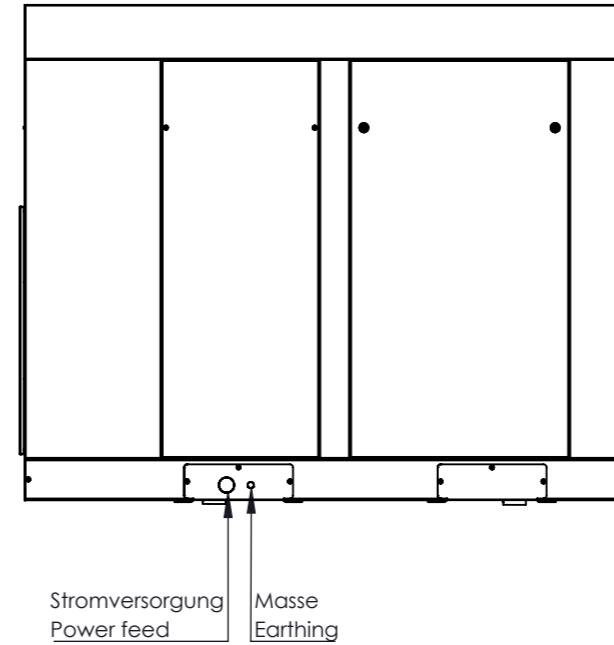
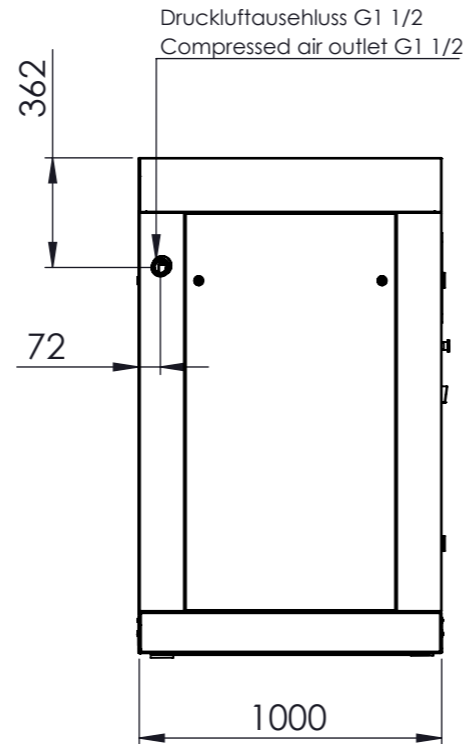
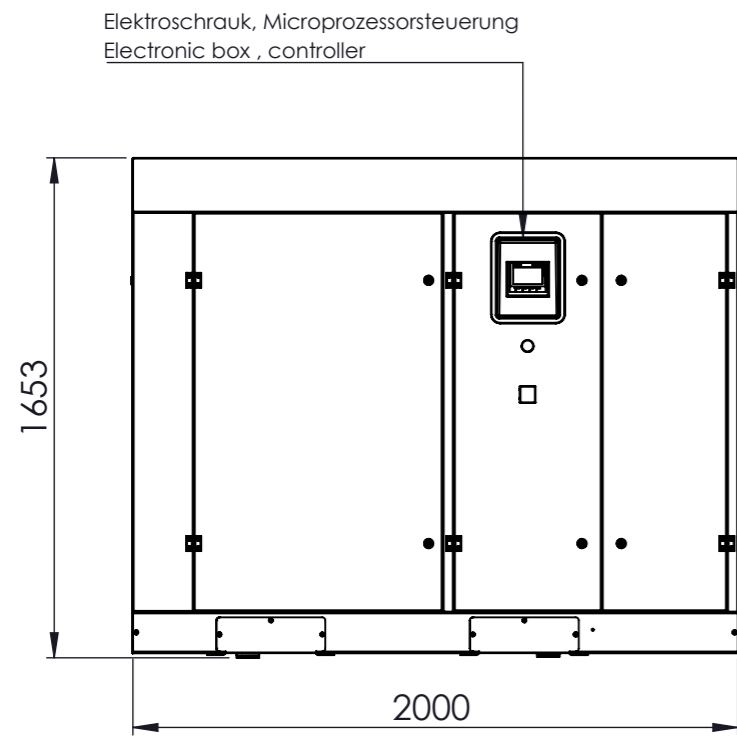


**BERG Kompressor Schraubenkompressor mit Inverter, Direktantrieb**  
**BERG Screw Compressor with inverter, direct drive, 1:1**

Typ / type	<b>KOMPBERG® BSDF 55</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			2.5 - 9.9	88.2 - 349.6
	10			2.5 - 8.5	88.2 - 300.1
	13			2.3 - 6.6	81.2 - 233
Behälter / air receiver	I			3000 (optional)	
Verdichterstufe / air end	Typ			ROTORCOMP	
<b>Motordaten / motor and controller details</b>					
Nennleistung / nominal power		kW		55	
Drehzahl / speed (ca. je nach Betriebsdruck)		min <sup>-1</sup>		2965	
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		I		45	
Restölgehalt / oil carry over		mg/m <sup>3</sup>		1-3	
<b>Kühlung / cooling</b>					
Kühlluftbedarf / cooling air required		m <sup>3</sup> /h		8700.0	
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		G 1 1/2	
Elektroanschluss-Zuleitung / section of electr. Cable		mm <sup>2</sup>		3x50+PE	
Motornennstrom / motor nominal current		A		85	
<b>Abmessungen / dimensions</b>					
L x B x H / L x W x H		mm		2000 x 1000 x 1640	
Gewicht / weight		kg		1350	
Schallpegel / sound level		dB(A)		76	


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

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Schraubenkompressor / oil lubricated screw compressor

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