

Technische Daten / technical data sheet



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

Typ / type	KOMPBERG® BSDF 45		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 - 7.7	88.2 - 271.9
	10			2.5 - 7	88.2 - 247.2
	13			2 - 5.8	70.6 - 204.8
Behälter / air receiver		I		2000 (optional)	
Verdichterstufe / air end		Typ		ROTORCOMP	
Motordaten / motor and controller details					
Nennleistung / nominal power		kW		45	
Drehzahl / speed (ca. je nach Betriebsdruck)		min ⁻¹		2970	
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.	
Ölkreislauf / oil circuit					
Ölinhalt des Kompressors / oil capacity		l		45	
Restölgehalt / oil carry over		mg/m ³		1-3	
Kühlung / cooling					
Kühlluftbedarf / cooling air required		m ³ /h		7000.0	
Drucklufttemperatur über / compressed air outlet temperature		K		10°C above ambient Temp.	
Umgebungstemperatur / ambient temperature		°C		min. +5 / max. +40	
Anschlussdaten /connection details					
Druckluftausgang /connection details		inch		G 1 1/2	
Elektroanschluss-Zuleitung / section of electr. Cable		mm ²		3x50+PE	
Motornennstrom / motor nominal current		A		72	
Abmessungen / dimensions					
L x B x H / L x W x H		mm		2000 x 1000 x 1640	
Gewicht / weight		kg		1300	
Schallpegel / sound level		dB(A)		76	

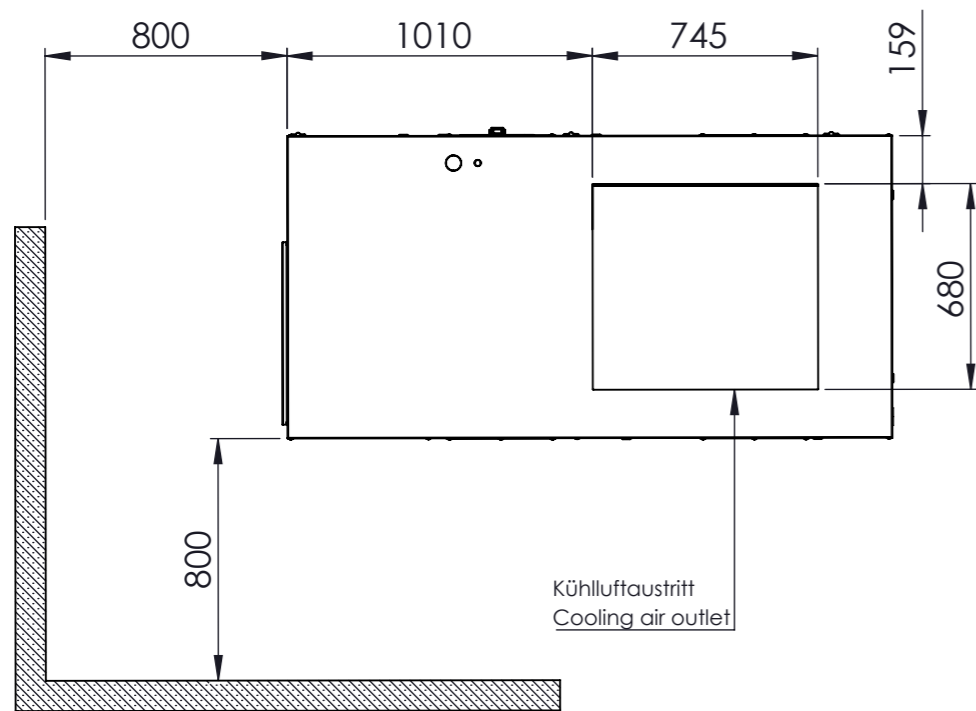
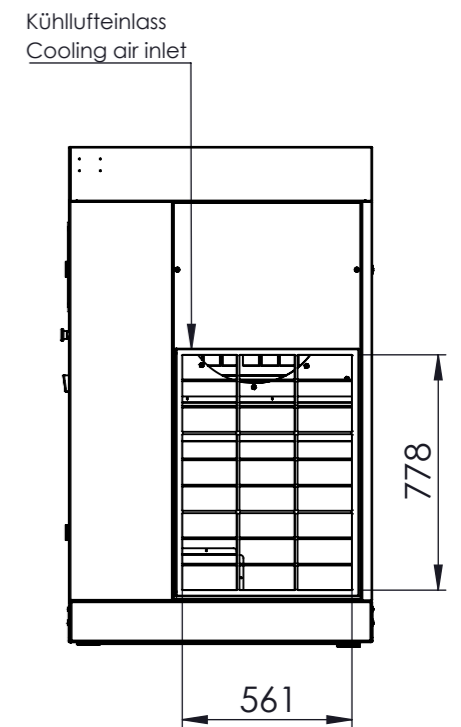
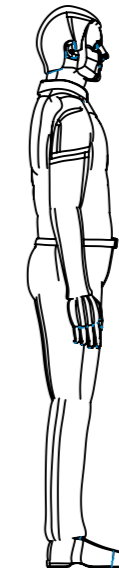
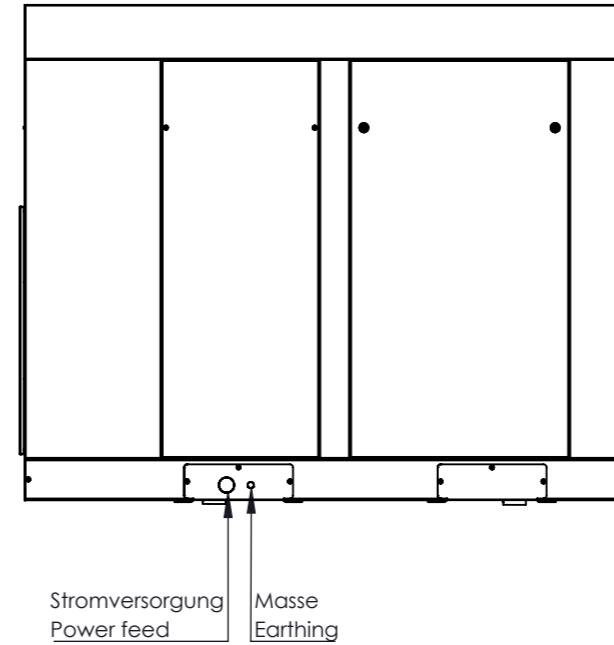
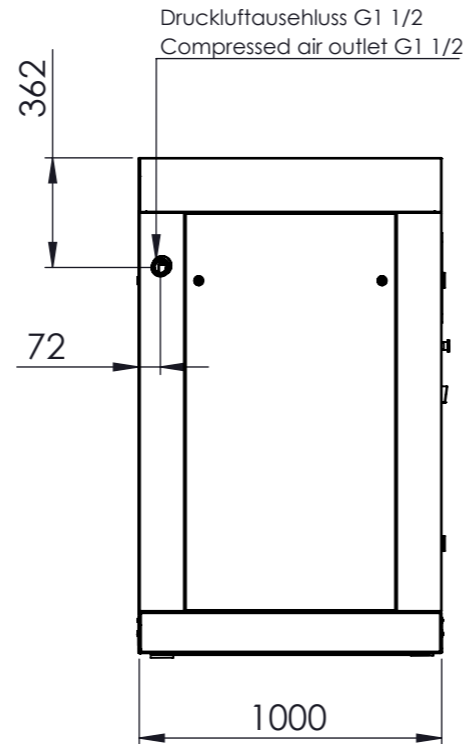
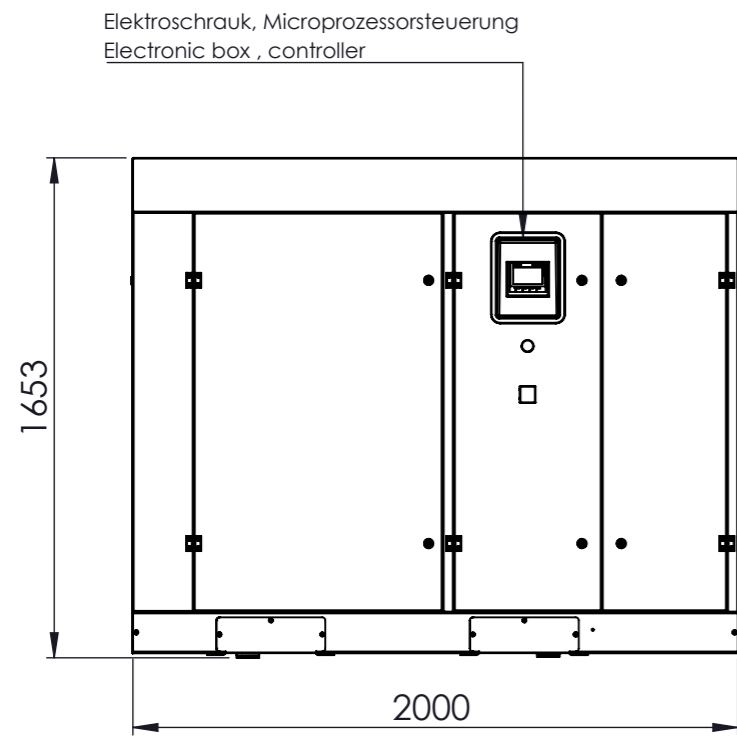
Pulverbeschichtungsfarbe: RAL 7047 (Rahmen), RAL 5002 (Türen)

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BTDS 11-2024

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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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	DO NOT SCALE IF IN DOUBT ASK	WEIGHT N/A	PROJECT NAME/NUMBER BSDF55	SCALE 1:25
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	DRAWING NO. / SHEET NAME BSDF_55_GA			SHEET 1/1

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