

25 kW SmartLoad || BN 546404, BN 546404C0001

Coaxial load with intelligent control:

- Standby function
- Pump and fan activated only when needed
- Super fast self protection
- Interlock signal
- Single phase power supply
- Rear and side walls can be covered
- Outdoor heat exchanger available optionally



Operating modes

Standby and RF power approx. 80 W	natural cooling without pump or fan *
RF power approx. 80 W to approx. 800 W	pump only *
RF power approx. 800 W to 25 kW	pump and fan *

* Depending on the ambient temperature and the RF power applied, the pump and/or fan can switch on at any time and switch off again according to the required cooling capacity.

Radio frequency characteristics

Interface type	3 1/8" EIA (50 Ω) per IEC 60339-2, facing upwards (4 1/2" EIA necessary for P ≥ 23kW and f ≥ 700 MHz; order adapter BN 715010)
Frequency range	DC to 860 MHz
Average power rating, max.	25 kW
Proof voltage, max.	17 kV
VSWR, max.	1.04 @ DC to 108 MHz or 1.04 @ 108 to 470 MHz or 1.04 @ 470 to 860 MHz or 1.08 @ DC to 860 MHz

Cooling Aggregate

Part number	BN 546404	BN 546404C0001	
Mains supply:	Mains voltage Mains frequency Real power consumption Nominal current, max.	230 V ±10%, L, N, PE 50/60 Hz 25 W (standby), 1.2 kW (full operation) 10 A	115 V ±10%, L, N, PE 50 / 60 Hz 25 W (standby), 1.2 kW (full operation) 15.5 A
Mains panel connector	male power socket, acc. IEC 60320-1 (C20)		
Interlock loop connection	two-pole connector with screwlocking acc. IEC 60130-9, Co. Binder, series 581/680/682, TYP 09-0303-00-02, or at termination block inside control box		
Interlock loop contact load	SELV per IEC 60950-1 max. 42.4 V AC _{pk} / 60 V DC max. 1 A		
Heat exchanger	25 kW special SPINNER single ventilator type		
Noise level, approx.	79 dB (A)		
Product Manual	M36338		
Weight, approx.	130 kg	140 kg	

SPINNER GmbH | This document is proprietary to us. All rights reserved. Any use, transfer, or reproduction of this document or the know-how contained therein requires our express consent.

Template TD-00003G

25 kW SmartLoad || BN 546404, BN 546404C0001

Environmental conditions

Operation	
Operational environment	operating sites with limited access, indoor only
Ambient temperature range	-10 to +45°C
Relative humidity, max.	95% (non-condensing)
Altitude, max.	2286 m
IP protection level	IP20 per EN 60529
Storage and transport	
Ambient temperature range	-25 to +70°C
Relative humidity, max.	95% (non-condensing)

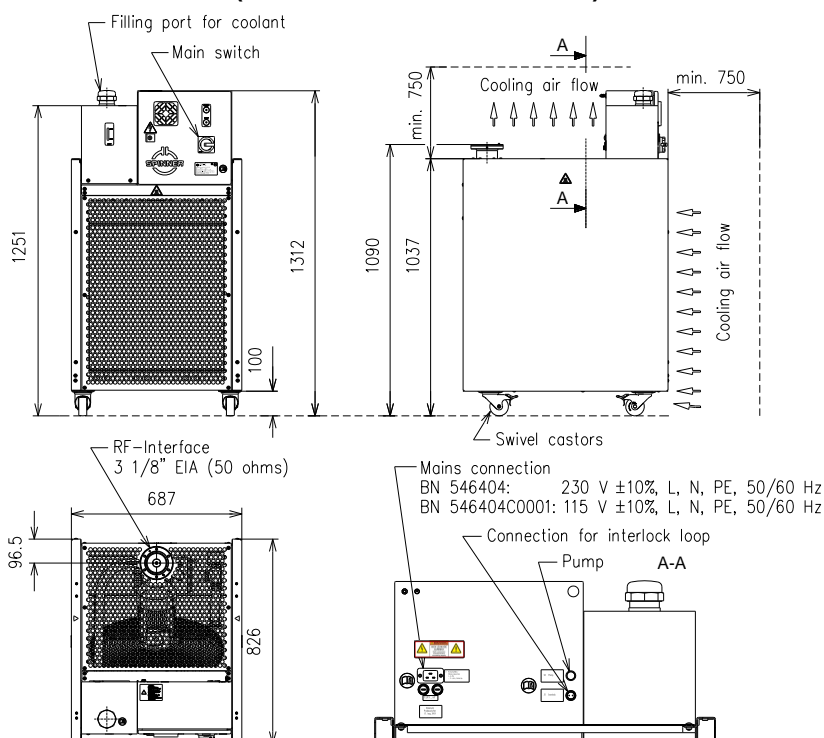
Coolant

Capacity of cooling circuit, approx.	15 litres (dummy load supplied in filled state)
Chemical composition, brand	mixture of distilled water, 50 Vol. % ethylene glycol and corrosion inhibitor, STAUBCO® Cool N -40°C
Density (temperature sensitive)	1.08 kg/dm ³ @ +20°C

Scope of delivery and accessories

Scope of delivery	power cord with IEC 60320-1 C19 socket (pigtail) interlock cable connector product manual material safety data sheet of the coolant	
Spare parts	power cord with IEC 60320-1 C19 socket (pigtail) interlock cable connector STAUBCO® Cool N -40°C coolant, 25 litres canister	BN A77310 BN 102964 BN A75272

Outline (all dimensions in millimeter)



SPINNER GmbH | This document is proprietary to us. All rights reserved. Any use, transfer, or reproduction of this document or the know-how contained therein requires our express consent.

Template TD-00003G