Technical information:
Air Exhaustion

For several Spitzenberger & Spies test systems an optional air exhaustion unit is available.

Due to the power losses of amplifier systems, especially when operating in 4-quadrant mode as a power sink, it may be a convenient way to transfer the system's heat exhaustion through a tube system out of the testing room.

This keeps the environment temperature at the test system stable and increases the overall system performance. The better the cooling of a test system works, the more power capability of the test system is available.

In an application setup with many different test systems in one location we recommend a controlled heat exhaustion system.

Fig. 1: Air exhaustion system at KERI, Korea

Example: Air exhaustion backpack at the rear side of the amplifier system rack	
Example: Interconnection between the exhaustion backpack and the air exhaustion system of the building	

TECHNICAL DATA:

	Air exhaustion fan system per rack		
Type	Helios HRFW 315/4	Helios HRFW 355/4	Helios HRFW 500/4
Power consumption	150W	190W	550W
Rotation speed	1405rpm	1405rpm	1410rpm
Flow rate	2070m³/h	2970m³/h	8320m³/h
Max. operating temperature	60°C (operating at nominal voltage)		
Aperture	315mm	355mm	500mm