

# AIRSEC - Dehumidifier

The high-performance fully automatic series for heavy constant use in industry, production and storage.



# AIRSEC-Dehumidifiers: High-performance robust units for everyday use in water supply facilities, museums, material and food storage halls,...

...in fact AIRSEC dehumidifiers are used wherever high performance, absolute operational safety and dry conditions without the need for monitoring are required.

Atmospheric moisture is invisible but nonetheless, excessive humidity of the air constantly causes massive damage.

Installations and equipment corrode or rot; paint coats flake off; wallpaper and rendering peel off; in storage facilities, entire stocks are damaged or even destroyed by humidity.

The AIRSEC series provides new standards in dehumidification technology. The reliable condensation-dehumidification method, combined with the reliable hydrostatic control and monitoring system as well as robust construction ensure years of troublefree operation even in extreme conditions.

## Operating principle of AIRSEC dehumidifiers

A fan conveys the humid ambient air to the cooling surfaces of a compressor-refrigerator unit where it is cooled to below the dew point. The water contained in the air condenses, drips into the collector or is drained off to the drainage system. The refrigerator's condenser heats the dehumidified air to the intake temperature to avoid heat loss in the room.

## Principal advantages in brief:

- high performance yet low power consumption
- fully automatic maintenance-free operation
- option of water container or direct water drainage
- no heat loss in the room
- hydrostatically controlled constant atmospheric humidity
- simple operation, easy maintenance
- 4 castors
- optional extra: overflow safeguard for mobile units

## Reliable dehumidification even under extreme conditions.



Museums and exhibitions



Drying and storing of wood



Water supply facilities



Cellars and storage facilities

Ratings			
	HS-45	HS-65	HS-115
Mobile models AIRSEC	HSK-45	HSK-65	HSK-115
Console models AIRSEC	1720 W	2900 W	4580 W
Refrigerating capacity +7.2°C/+54.5°C	R407C	R407C	R407C
Refrigerant	14 lt	25 lt	41 lt
Dehumidifying capacity* in 24 hrs at 20°C/60% rel. hum.	450	680	660
Air capacity m <sup>3</sup> /h	220/230V/50Hz	220/230V/50Hz	220/230V/50Hz
Voltage	6A surge-proof	10A surge-proof	10A surge-proof
Fuse rating	12 lt	24 lt	24 lt
Water collector (floor models)	870 W	1350 W	2000 W
Power consumption at +30°C	0° - +30°	0° - +30°	0° - +30°
Operating range °C	555 (620)	750 (810)	750 (810)
Width mm	415 (420)	515 (520)	515 (520)
Depth mm	750 (430)	920 (550)	920 (550)
Height mm	50 (51)	78 (76)	86 (85)
Weight kg			

\*depending on humidity and room temperature (detail values according to separate diagram). Dimensions in brackets refer to console models (HSK)

For use in aggressive air conditions, units made of stainless steel are available.

Explosion-proof models are available on request.