

# DryBox ABK 500

## Technology / Employment

- Dryer combination comprising side-channel compressor and adsorption dryer for drying hollow spaces and insulation layers after water ingress or damp damage in pressure mode.

## Advantage

- Careful and energy-saving drying process in the pressure mode by constant dry air conditions. The dry air is not blown into the hollow spaces at extremely high temperatures. But the low moisture content of the drying air speeds up the drying process. That is gentle on the building Substance!
- The built-in side-channel compressor is well protected against overheating. The rejected heat of the high pressure blower is used to regenerate the drying rotor, thus saving energy.



## Application & functioning

### Area of use

Insulating layer drying process, cavity drying process

### Suitable for

Drying areas with approxca. 20 - 30 qm \*

## Dimensions & installation

### Installation / mobility

On the floor. Two transport wheels (Ø = 200 mm), sturdy tubular frame with two rubber feet, for carrying and wheeling.

### Built in high pressure blower

Elmo Nash BH 400

### Desiccant rotor

The sorption rotor is a High performance rotor, coated with metal silicate optimized for maximum water absorption with different entrance conditions. The rotor offers a very large surface. The mechanical firmness of the surface is extremely high. The rotor is not inflammable, maintenancefree and washable.

### Regeneration-heater

Dynamic, safe and self-regulating PTC heating element.

### Air inlet / Air outlet

Process- and regeneration-air inlet: free with air filter

Reg.-air outlet: D= 80 mm

Compressed-air: Thread D= 50 mm (1 1/2")

### Maintenance

Clean / change air filter. Outside and inside cleaning

### Dimensions

Height / width / depth:

795 mm / 540 mm / 510 mm

### Weight

50 kg

## Technical data

### Casing

Durably made of high-grade steel. To dismantle simply. Cable keeping. Protection class: IP 23

### Air flow / Max. difference pressure

145 cbm/h free blowing; 160 mbar

### Capacity at free blowing air flow (145 cbm/h)

at 20°C / 60% r.h. = 0,76 l/h = 18,1 l/24h

### Austrittsbedingungen der Trockenluft

Bei Eintritt 20°C / 60% r.F.

Freiblasend = 40°C / 9,8% r.F.

80 mbar = 45°C / 8,0% r.F.

### Motor protection

Thermal line circuit breaker. Thermo feeler in the engine coil

### Max. power consumption, total

1.600 Watts

### Voltage / Conneting cable

230 V / 50 Hz

approx. 4,5 mtrs. with plug; cable keeping

### Noise level

59 dB(A) - measured in 3 mtrs. distance.

### Control elements

Each one On/Off-switch for complete switch off (incl. Safety switch) and dryer switch off (high pressure blower still runs); Neon for „Overheating“; Operation time counter; Air volume indicator to control the operation mode.

### Guarantee

24 months from date of purchase

## Optionally available accessories

Connectors, hoses, reducer

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