



# Industrial air conditioning/ maturing systems

## Advantages

### Production reliability:

Special programs control the drying, fermenting and post maturing of reproducible products. Dehumidification of the product is not only regulated but also controlled and documented by the Maurer-Atmos temperature and humidity measurement system through the circulating air. This prevents the formation of dry rings of the products.

### Central air conditioning:

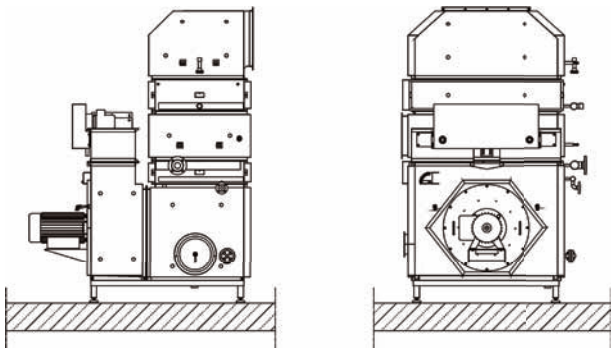
Durable: The fully insulated central air handling unit can be installed on the roof or at the rear of the chamber. All components are low-maintenance and easily accessible.

Consistent air circulation with suitable air quantity is directed to the products and is responsible for consistent high, always reproducible quality results.

### High loading capacity:

The air circulation and distribution adapted to the products and the required drying procedure guarantees optimal results.

## Industrial air conditioning / maturing systems



### Air conditioning drying/ smoking systems KR

The systems are universally usable thanks to their horizontal and vertical air circulation, products can be placed horizontally on mesh shelves or suspended on smokesticks.

#### Possible processes:

- maturing, drying
- cold smoking, cooking

#### Air systems:

##### Air circulation:

- Direct drive with frequency converter
- Multiple channel system comprised of supply air and return air channels

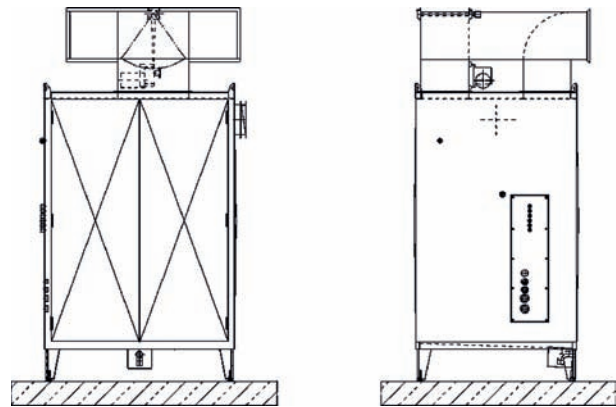
##### Fresh air/Exhaust air systems:

- Enthalpy system (energetically regulated fresh air and exhaust air)
- Delta-T system (regulated fresh air and exhaust air temperature differences)
- Open system (fresh air and exhaust air regulated via process controls)

Each system is designed so that the total dehumidification output is achieved in a closed (hermetic) operation.

Aggregate	up to max. cart places	Electric kW <sup>⊖</sup>	Heating kW <sup>⊖</sup>	Cooling system kW <sup>⊖</sup>
KR02	4	2,0	2,5-9	2-9
KR04	8	4,0	10-19	9-18
KR07	14	7,0	19-34	18-31
KR13	26	13,0	34-64	31-58
KR18	36	18,0	64-89	58-80
KR23	46	23,0	89-110	80-100
KR36	72	37,0	110-180	100-160
KR48	96	45,0	180-220	160-200

⊖ approximate connected loads



### Air conditioning drying/ maturing systems KN

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##### Air circulation:

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KN01	10	2,5	1,9-7,5	1,9-7,5
KN03	30	2,5	7,5-19,0	7,5-19,0
KN06	60	3,8-7,0	19,0-39,0	19,0-39,0
KN15	150	14,0	39,0-94,0	39,0-94,0
KN20	200	20,0	94,0-125,0	94,0-125,0

Features	Description	Standard	Options	Further flyers
Operating controls	external operating controls	x		Control and documentation systems
	operating temperature controls	x		
	psychometric controls	x		
Control type	enthalpy controls		x	
	interval controls	x		
	Delta-T controls	x		
Smoke generator	external smoke generator	only KR		External smoke generators
Cleaning	unit and channel cleaning	only KR		Cleaning systems
	RG-A2.5 or RG-A8		x	Cleaning systems