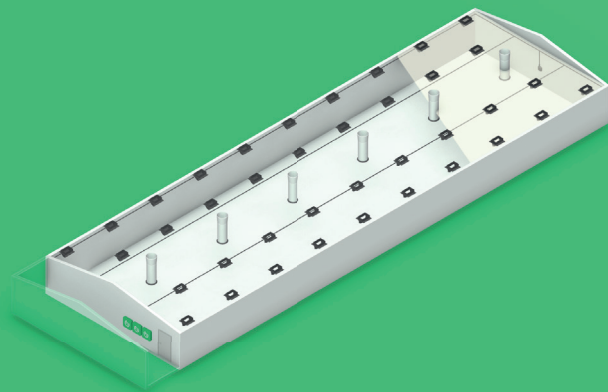


Combined Ceiling Ventilation

- ✓ High comfort in temperate climate zones
- ✓ Reduced air speed during cold periods
- ✓ High chill factor during hot periods
- ✓ Optimization of operation via advanced control
- ✓ Alarm system with battery backup for emergency opening

Negative-pressure ventilation with a diffuse ceiling, ceiling inlets and chimney exhaust system.

CCV combines effective air exchange with a high level of comfort in the stable. CCV consists of a ceiling with an open surface structure. The air is drawn in through the panels, where the air speed is reduced. This minimises draft during cold periods. During warm periods, the ceiling inlets provides an effective chilling effect.



SYSTEM CAPACITY & AIR EXCHANGE

Max. airflow (summer):	150 m³/h per pig (From 100 Kg)
Min. airflow (winter):	15 – 20 m³/h per pig (slaughter pigs/sows)

EXHAUST UNITS (FANS)

Type:	650/730/820/920 roof fans (high-efficiency IE3 AC-motors)
Diameter:	ID650/OD730, ID730/OD810, ID820/OD900, ID920/OD1000
Max. capacity:	12.400/16.000/20.000/25.000 m³/h
Motor efficiency:	0.75 kW to 1.1 kW per fan
Control:	Frequency control 3x230V (0-100% reg.) or ON/OFF 3x400V
Protection class:	IP 55

AIR INLETS (CEILING INLETS)

Type:	VE84-P Ceiling inlets
Mounting dimensions:	555 mm x 260 mm
Opening:	Automatically controlled from 0 to 300 mm (depending on actuator)

CONTROL AND AUTOMATIC REGULATION SYSTEM

Climate computer: RIKA Climate 108 with VE-BUS communication and Farmviewer*

Control options: Temperature °C (measured indoors/outdoors), Relative humidity RH*, CO₂ level*

Functions: Curve and age-controlled ventilation, Automatic summer/winter mode, Alarms in the event of a power failure or incorrect temperature, Alarm system with battery back-up for temperature-controlled emergency opening

OPERATING CONDITIONS

Measured static pressure:	-10 to -20 Pa
Relative humidity (RH):	60 – 70%
Temperature zone:	15 – 25°C (user-defined/depending on outdoor temperature)

* Optional extras

