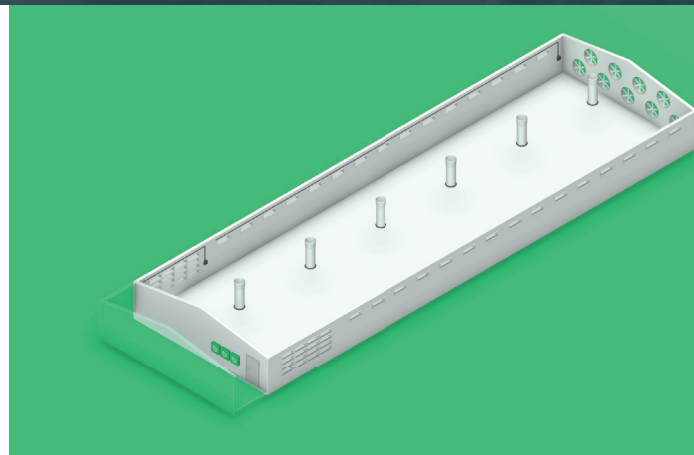


Combined Wall Tunnel Ventilation

- ✓ Reduces perceived temperature during hot periods
- ✓ Good air distribution even at minimum ventilation
- ✓ Effective cooling using cooling pads or high-pressure cooling*
- ✓ Optimization of operation via advanced control
- ✓ Alarm system with battery backup for emergency opening

Negative-pressure ventilation with wall inlets and chimney/wall exhaust system.

CWTV is used as WV during cold periods and as TV during hot periods. The air inlets are positioned along the sides and the tunnel inlets are placed at the end of the building. The wall fans creates an air flow which provides a chilling effect. CWTV can be fitted with cooling pads or high-pressure cooling.



SYSTEM CAPACITY & AIR EXCHANGE

Max. airflow (summer):	From 150 m³/h–200 m³/h per pig (From 100 Kg)
Min. airflow (winter):	15 – 20 m³/h per pig (slaughter pigs)
Chill factor:	Up to 2 m/sec.

EXHAUST UNITS (ROOF 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

EXHAUST UNITS (WALL FANS)

Type:	1400 wall mounted fan (high-efficiency IE3 AC-motors)
Dimensions:	1400 mm x 1400 mm
Max. capacity:	38.700 m³/h
Motor efficiency:	1.1 kW per fan
Control:	Frequency control 3x230V (0-100% reg.) and ON/OFF 3x400V
Protection class:	IP 55

* Optional extras

AIR INLETS (WALL INLETS)

Type:	VE135-VFR/VE135-ER/VE6000-VFR wall inlet
Mounting dimensions:	670 mm x 290 mm / 1520 mm x 420 mm (for single mounting)
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 -30 Pa
Relative humidity (RH):	60 – 70%
Temperature zone:	15 – 25°C (user-defined/depending on outdoor temperature)

