

Tunnel Ventilation

- ✓ Reduces perceived temperature during hot periods
- ✓ The high air exchange ensures good air quality
- ✓ Efficient 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 wall exhaust system.

Air inlets are positioned at the end of the building, where wall fans create a powerful airflow through the stable, thereby generating an effective chilling effect. TV can also be fitted with cooling pads or high-pressure cooling, which reduce the temperature of the incoming air during hot periods.



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 (WALL FANS)

Type:	1400 wall fan (high-efficiency IE3 AC-motors)
Dimensions:	1400 mm x1400 mm
Max. capacity:	38.700 m³/h
Motor efficiency:	1.1 kW per fan
Control:	Frequency control 3x230V (0-100% reg.) or ON/OFF 3x400V
Protection class:	IP 55

AIR INLETS (WALL INLETS)

Type:	VE6000-VFR
Mounting dimensions:	1520 mm x 420 mm (For single installation)
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)

* Optional extras

