



# VLT Agro Drive

## Three-phase frequency controller

The VLT Agro Drive enables efficient continuously variable speed control of three-phase fans. This control is based on a 0-10 V input signal. The fan speed control can be adapted precisely to the demands of the user. Lower motor temperatures assure a longer lifetime, less maintenance and higher reliability. Furthermore, the energy use is strongly reduced. The VLT Agro Drive provides an optimal climate under all circumstances.

### Benefits

- Energy savings
- Very high reliability: ventilation is guaranteed under all circumstances, also with phase-failure or a too high temperature (protection mode).
- Until 150 metres protected wire applicable
- Applicable in new and existing ventilation systems
- Optimal protection against harsh environments such as the air in livestock buildings
- Maintenance-free
- Optimal climate under all circumstances

### Characteristics

- Three-phase input / Three-phase output
- Ruggedized IP55 housing
- Separated cooling and controlling compartment which prevents polluted air to enter the control electronics
- Clear graphic display
- Special coating of print plate
- Complete internal filtering with optimal EMC-protection
- Controller resistant against short-circuit on the output
- Including memory chip for saving settings
- Multiple fans connectable

### Optional available

- Override switch



## Technical information VLT Agro Drive

Definition	
Power options	5,6 A 16 A 24 A
Supply voltage	3 ~ 380-500 V
Output voltage	0-100% of supply voltage
Analogue inputs	2 x 0-10 V or 0/4-20 mA
Digital inputs	6 (from which 2 to use as digital output)
Analogue outputs	1 x 0/4-20 mA
Relais outputs	2 x (240 Vac, 2 A and 400 Vac, 2 A)
Standard communication	FC protocol, BacNet MSTP, N2 Metasys, FLN Apogee, Modbus RTU
Length screened motor cable	Max. 150 mtr.
Standard with	Integrated RFI filters and DC-spindles Agro 3C3 coating
Dimensions (lxwxh)	242 x 261 x 481 mm IP55
Weight (unpacked)	9,7 kg (5,6 A version) 14 kg (16 A version) 23 kg (24 A version)



### User interface with graphical display

- 5 variables visible at once
- Shows diagrams and graphs
- Automatic Energy Optimisation
- Monitoring energy use
- Programming in 27 languages
- System diagnosis and alarm log



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