



Part of the Ridder Group

Ridder Drive Systems

Ridder Motor Gearboxes

We have specialized in drive systems for horticulture, livestock farming and crop storage for over 60 years. Our motor gearboxes are extremely efficient at converting the input of an electric motor with a high rotational speed and low torque into the output of a drive system with a low rotational speed and high torque. We developed our range of motor gearboxes under the name Ridder Worm (RW). Some unique features of our RW motor gearboxes are:

- Extremely long lifespan
- Compact and powerful
- Self-braking mechanism
- Safe and reliable
- Options for additional accuracy
- Easy to install
- A wide range of models
- Models for specific purposes
- Easy to program
- High protection rating



Ridder PowerRoller

The Ridder PowerRoller is a compact, maintenance-free drive unit for operating roller screens in greenhouses. The PowerRoller has been specially designed for driving long roller screens in glass greenhouses and for rolling up the plastic film on polytunnel greenhouses. The PowerRoller can also be supplied with the Ridder weight compensator. This ensures that the screen rolls up and down smoothly, minimizing creases in the screen material.

- Compact design allows installation in any greenhouse
- Ideal for long roller screens thanks to even force distribution
- Suitable for various roller tube diameters: 35, 50, 60 mm
- Minimum load on roller screen by bilateral coupling to winding tube
- Extended screen lifespan
- Reliable screen operation thanks to independent control of roller screens
- Wide application range in phases, supply voltages, mains frequencies or quality marks
- Minimal screen creasing in combination with the Ridder weight compensator
- Accurate position control with Ridder LogicLink option
- Near-silent operation



Ridder TubeMotors

Our maintenance-free tube motors can be used in roof, wall and twin-roll screen systems. Our motors' compact size make them ideal for integration into the winding tube, minimizing the installation space needed. The type of tube motor required depends on the screen's length and roll-up height, as well as the screen material used.

- Space-saving design for minimal loss of light
- Suitable for installation in humid spaces
- Ideal for tightly-stretched wall screens
- High protection rating of IP55
- Suitable for 50 and 63 mm roller tubes
- Built-in limit switch system
- Near-silent operation and maintenance-free
- Overload protection and overheating protection
- Seamless connection with guiding system
- Parallel control options



Ridder LogicLink300

The Ridder LogicLink300 control unit is a ready-made, easy-to-use solution for installing and controlling Ridder RW motor gearboxes in both rotational directions. To integrate the control and drive components, the control unit is mounted on the motor gearbox. The control unit consists of a potted control board with solid state relays, ensuring a high degree of protection. The Ridder LogicLink300 can be used for ventilation and screen purposes as well as for opening and closing screens individually.

- Easy to use and connect, minimal maintenance
- Simple manual controls for operation without a climate computer
- Designed for maximum control and protection
- Less cabling required thanks to control unit and drive unit integration
- Capable of relaying an error signal to a climate computer
- Well-protected against moisture, dirt and vibrations thanks to potted control unit
- Suitable for use worldwide thanks to various supply voltages and mains frequencies
- Intelligent safety features and phase detection
- Equipped with a 24V power supply for connecting the PositioningUnit

