



Ridder Poly Range

The new drive standard for every poly greenhouse

Ridder PolyDrive

Maintenance-free, unique and compact

With the launch of the Ridder PolyDrive, Ridder has introduced a unique model that sets itself apart from other RW drive units. This compact drive unit is made up of two high-pressure die-cast aluminium parts. These high-precision and dimensionally stable parts together form a fully enclosed housing with a high protection rating. The worm wheel is positioned in the first of the two reduction stages, providing the drive unit with excellent self-braking performance. As the dual-stage drive unit consists of so few parts, it is maintenance-free and operates almost silently.

The Ridder PolyDrive is ideal for ventilation and screening purposes and is available in 150 Nm, 300 Nm and 450 Nm models. All models are available in 3 revolutions per minute. The 150 Nm and 300 Nm models are also available in 5 revolutions per minute. Thanks to the aluminium housing, all models are lightweight (approx. 15 kg) and easy to manage.

Unique expansion chamber

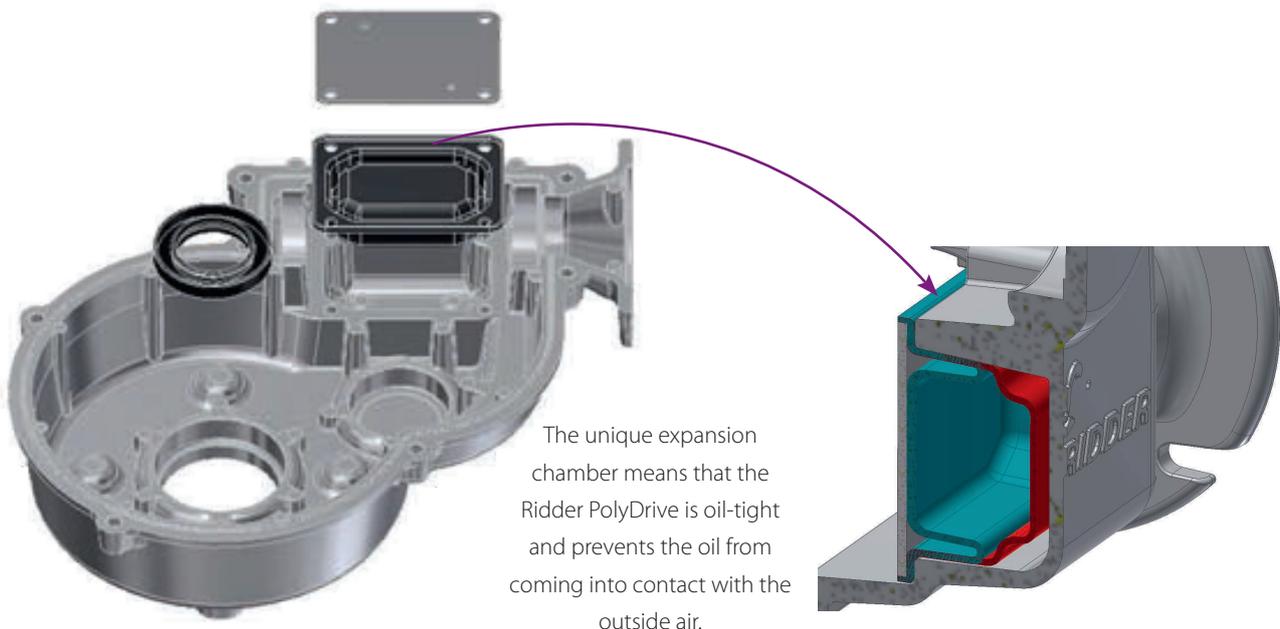
Thanks to the completely sealed housing and innovative oil expansion chamber, the lubricating oil remains in optimum condition throughout the unit's lifespan. This expansion chamber also means that the Ridder PolyDrive is oil-tight and has no air bleed plug. The drive unit is both weatherproof and windproof, and can be used in any position.

High quality and reliable

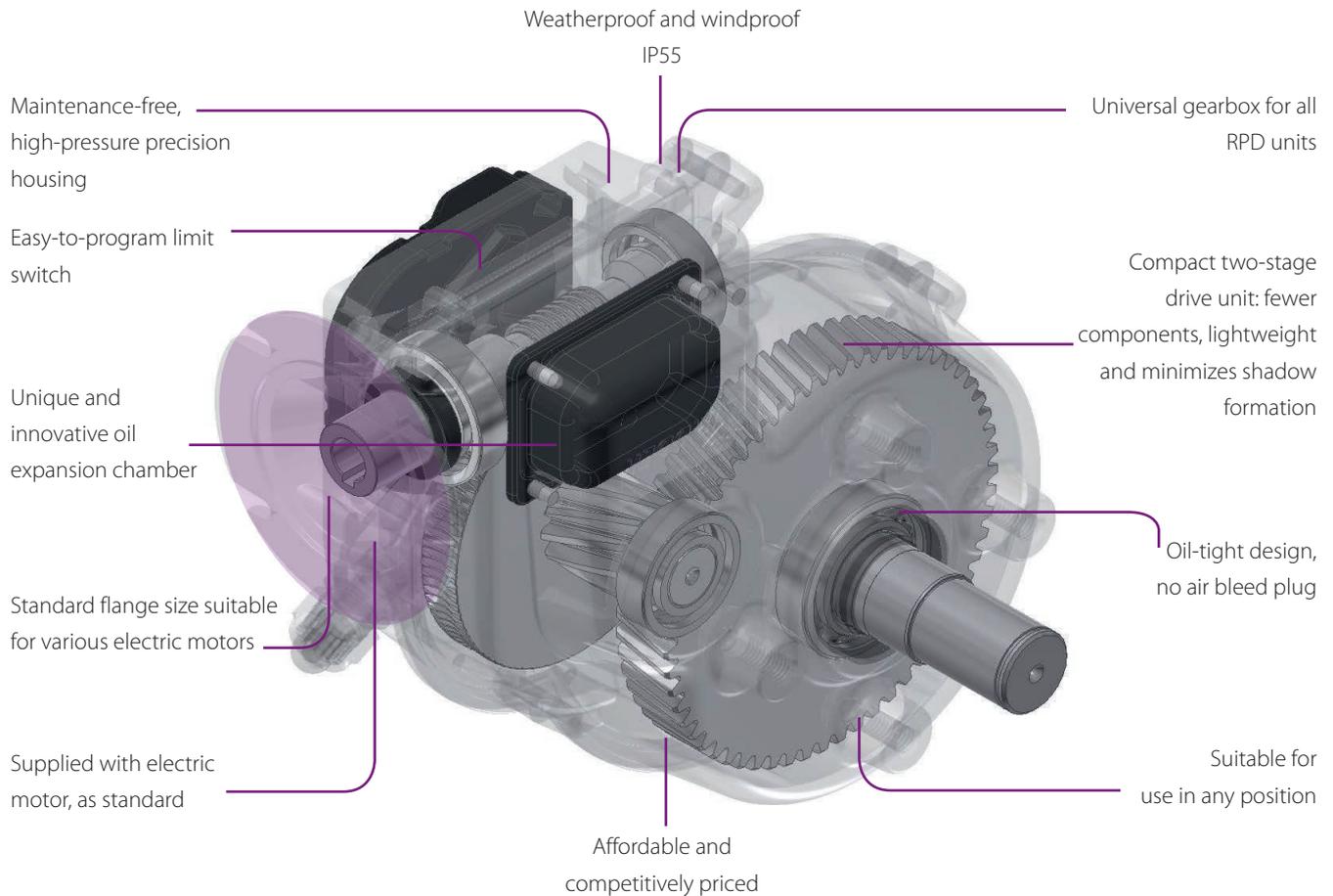
As you would expect from Ridder, the extremely affordable Ridder PolyDrive meets the highest quality standards. No concessions have been made to safety: the PolyDrive is equipped with both limit switches and safety switches as standard. An oil expansion chamber controls the pressure inside the drive unit, further enhancing the unit's reliability. As a result, the drive unit can be used in any position. The Ridder PolyDrive has been tested under severe conditions with a high duty cycle.

Easy-to-program limit switch

The Ridder PolyDrive is equipped with a dependable and user-friendly limit switch. This makes the PolyDrive easy to program, so growers worldwide will have no trouble using it.



Ridder PolyGearbox



User-friendly and dependable limit switch

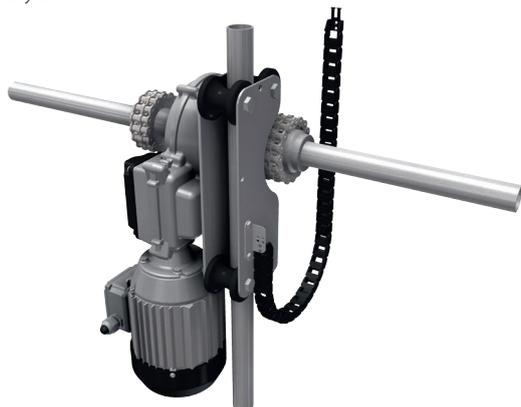
- Very easy to program, continuously variable limit switch that is adjustable to any desired position.
- As the drive unit starts to turn, the limit switch responds instantly by moving in the right direction.
- The new limit switch is equipped with extra patented protection technology.
- The limit switch features a 6-pole connector for easier universal application in control cabinets and climate computers.



A huge variety of solutions

Every poly greenhouse is different

A huge variety of ventilation solutions are available for poly greenhouses worldwide. The Ridder PolyDrive is fitted with two output shafts as standard, allowing the drive unit to be mounted both in the middle and at the end of the system. Thanks to the use of chain or sleeve couplings, the various system components can be connected to the output shafts. The use of chain couplings also allows the drive unit to compensate for significant design differences in the greenhouse structure or the ventilation/screen system. This is not possible with sleeve couplings. To install the unit in various positions, we can provide a wide range of mounting plates (available as an option). To provide the best possible solution for every poly greenhouse, we carry the following products in addition to the Ridder PolyDrive:



Ridder PolyCarriage

Sidewall ventilation based on the PolyCarriage is generally chosen for high-tensile screens and short installation lengths, in greenhouses that require extra light and air flow.

Ridder PolyTelescope

Sidewall ventilation based on the PolyTelescope is often selected in situations where the system's flexibility is a key consideration, and the installation length, light entry and air flow are less important.



RMC400

The intelligent Ridder MotorControl (RMC) provides maximum control over Ridder motors, whether as an independent manual control unit or in combination with a climate computer. If combined with a climate computer, the RMC400 relays the computer's commands to the drive unit in a carefully controlled way. This ensures a reliable and error-free system.

Rack Drives for Poly Range

Pinions

Pinion: TU5



Pinion: TU6



Racks

PH22-2

PH22-3

PH30-2 (L= max. 1500 mm)

PH30-3

W = 25 mm

H = 22 / 30

T = 2 / 3 mm



Our New Poly Range

The benefits for greenhouse builders

- Complete range specifically for poly greenhouses
- No oversized drive units
- Suitable for any mounting position
- Easy to mount and install
- Low mounting and installation costs
- Intelligent system control
- Lightweight
- Weatherproof and windproof
- No rain cover needed
- Extremely affordable

The benefits for growers

- Higher crop yields
- Less light loss thanks to compact design
- High quality and reliable
- Oil-tight drive unit
- No rain cover needed
- Electric motors easy to replace
- Intelligent system control
- Low maintenance costs



Part of the Ridder Group



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