



## Motorized Pulley 138E, Ø 138 mm

Motorized Pulley 138E, with machined helical gear box, performs an efficiency, in a compact diameter of 138 mm only. With a min RL of 300 mm and powers ranging from 0.10 to 0.75kW this size of motorized pulley is suitable for most duties requiring such a small diameter - e.g.:

- Light agriculture and bulk solids handling conveyors
- Mobile or portable conveyors
- As a drive unit for brush cleaners etc.

Motorized pulley 138E has standard IP66/67 enclosure and is available in complete stainless steel execution for wash down application.

For the choice of the Motorized Pulley it is very important to know or to calculate the belt tension T1+T2 (radial load). This **MUST NOT OVERCOME** the "max. radial load" allowed as shown in the catalogue. Be careful to very high belt tensions when using thick, heavy and/or large belts.

If the type 138E cannot provide the necessary max. radial load T1+T2, you have to choose a Motorized Pulley with a bigger diameter.

### STANDARD SPECIFICATION of motorized pulley

- Crowned mild steel shell, outside diameter 138mm.
- Mild steel shafts.
- Shell and shafts treated with anti-rust wax.
- Die cast aluminium bearing houses.
- Gearbox from die cast aluminium 2- and 3-stages.
- Sealing system-degree of protection IP66/67 (EN60034-5).
- Die cast aluminium terminal box with WAGO clamp.  
Voltage: most common globally used voltages available. Please specify!
- 3-phase induction motor with one rated voltage – either low or high voltage
- Available in both 50Hz or 60Hz.
- Star connection (Delta connection on request).
- Motor windings with insulation class F (insulation class H on request).
- Dynamical balanced rotor.
- Two oil plugs (one with magnet).
- Minimum roller length (RL) 300mm (0.75kW: min RL 320mm).
- Max. RL 1800mm (from RL800 with reinforced shaft, from RL1000 plus reinforced shell).
- Standard mineral oil ISOVG150 (synthetic oil ISOVG220 on request).
- Oil change recommended every 10.000 operational hours.
- Single phase AC motors available in 0.20, 0.37 and 0.55kW, supplied with all necessary run and start capacitors (if needed) together with current depending relay.
- Without start capacitor the starting torque is 70% of the nominal torque only
- Horizontal installation (angled and vertical installation on request)

### STAINLESS STEEL

#### execution TS 9

- Crowned stainless steel shell (AISI304), outside diameter 138 mm.
- Stainless steel shafts (AISI303/304).
- Stainless steel solid end housing enclosed (AISI304/316)
- Re-greasable labyrinth seals (AISI304).
- FDA & USDA food grade grease
- Option: FDA & USDA food grade recognized oil.
- Fully stainless steel (AISI304) terminal box.
- Fully stainless steel (AISI304) straight connector.
- Two stainless steel oil plugs (one with magnet).

#### TS10

- As TS9 but without re-greasable labyrinth seals

#### TS11

- As TS9 but with mild steel shell,

#### TS12

- As TS10 but with mild steel shell,

**When ordering, please specify the required voltage, electrical connection and eventual TS-number, options, brackets and idler pulleys.**

- Environmental consideration: page 77
- Technical precautions: page 81-92,
- Optional extras: page 9 and back cover,
- Connection diagram: page 98-99,