



## Motorized Pulley 165E, Ø 165 mm

Motorized Pulley 165E, with machined helical gear box, performs an efficiency, in a compact diameter of 165 mm only. With a min RL of 400 mm and powers ranging from 0.11kW to 1.5kW 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 165E 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 165E 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 165mm.
- 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) 400mm (0.37kW: min RL 350mm).
- Max. RL 1800mm (longer RL on request).
- Standard mineral oil ISOVG150 (synthetic oil ISOVG220 on request).
- Oil change recommended every 20.000 operational hours.
- Single phase AC motors available in 0.37kW and 1.10kW, 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
- For horizontal installation (angled and vertical installation on request)

### STAINLESS SREEL

#### execution TS 7N

- Crowned stainless steel shell (AISI304), outside diameter 165 mm.
- Stainless steel shafts (AISI303/304).
- Stainless steel covered - ASI 303 - aluminium bearing housing
- 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).

#### TS7N - solid housing

- As with TS7N but with massive stainless steel bearing housing.

#### TS8N

- As TS7N but with non-re-greasable labyrinth seals.

**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 15 and back cover,
- Connection diagram: page 98-99,