



Motorized Pulley 220M & 220H, Ø 8.50 in. (216 mm)

Our 8.50" diameter Motorized Pulley range offers two different performance levels for BULK applications:

- M for Medium duty
- H for Heavy duty

It is important to note the product differences and choose the appropriate pulley based on estimated belt tension (radial load.) See page 80. The actual radial load must be less than the maximum allowable radial load shown in this catalog.

Be aware of increased belt tensions required to drive multi-ply thick heavy belts and/or larger belt widths.

If the 8.50" diameter model is not strong enough to resist estimated belt tension, then select 12.64" diameter model.

M for Medium duty

The internal parts of 220M are designed to match irregular working conditions in applications such as mobile crushing & screening, cement & concrete plants, mobile conveyors and open stone & gravel pits.

H for Heavy duty

A reinforced 3-stage-gearbox provides 220H with the necessary strength needed for low speeds and high torque. 220H is popular in recycling (hand sorter conveyors), bunker discharge conveyors and where a combination of slow speed and high torque is required.

STANDARD SPECIFICATION of Motorized Pulley

- Crowned mild steel 8.50" diameter steel shell treated with anti-rust wax
- Powder coated cast iron bearing housings
- Mild steel shafts treated with anti-rust wax
- Shaft sealing system - degree of protection IP66/67 (EN60034-5.) See page 88.
- Powder coated die cast aluminum terminal box
- 3-phase induction motors with thermal protector
- Voltage: All common voltages available. Please specify.
- Motor winding insulation Class H
- Dynamically balanced rotor
- One out of two oil plugs fitted with a magnet to filter the oil
- Oil change recommended every 50,000 operational hours for synthetic oil (or 20,000 operational hours for mineral oil.)
- Minimum RL. Please refer to pages 21-22.
- Maximum RL — Please inquire
- Non standard RL's available
- To be used in horizontal positions ± 5 degree only

Please note:

- **Noise-sensitive Areas:** High speed 2-pole motors can cause higher noise levels and are not recommended for noise-sensitive areas
- **Technical Precautions for Design, Installation, and Maintenance:** pages 78-98.
- **Environmental Considerations:** page 76-77.
- **Optional Extras:** pg 19 and back cover
- **Electrical Connection Diagrams:** pages 92-98.

STAINLESS STEEL options

TS9N

- Stainless steel shell — AISI 304 range
- Stainless steel shafts — AISI 303/4 range
- Stainless steel covered bearing housings — AISI 316 range
- Stainless steel oil plugs — AISI 304 range — one out of two with magnet
- Stainless steel exterior bolts — AISI 304 range
- Regreasable labyrinth seals with grease nipples in stainless steel — AISI 304 range
- Shaft sealing system — degree of protection IP66/67 (EN60034-5). See page 37.

TS10N

- As TS9N, but without regreasable labyrinth seals.

SEMI-RUST-FREE options

TS11N

- As TS9N, but with crowned mild steel shell treated with anti-rust wax.

TS12N

- As TS10N, but with crowned mild steel shell treated with anti-rust wax.

Other Stainless Options:

- FDA & USDA food grade recognized oil and grease are not included in TS9N to TS12N, but available on request
- Complete Motorized Pulleys in acid resistant stainless steel — AISI 316 range — available on request.
- Special mounting brackets are available

Electrical connection options:

- Salt water resistant powder coated aluminum terminal box with zinc plated exterior bolts
- Stainless steel terminal box — AISI 304 range (max. 5.5 HP)
- Straight stainless steel connector with flying lead — AISI 304 range.

Please specify required TS-number when ordering Stainless Steel options.