



## Motorized Pulley 800M & 800H, Ø 800 mm

To match your requirements in diameter 800 mm, our product range offers two different loading performances for your **BULK** applications:

- 800M and
- 800H

You have a choice.

Therefore, it is important to notice the differences to choose the right type of pulley for the right application based on estimated belt tension (radial load) =  $T1+T2$ . The actual radial load **MUST** be **LESS** than the max. allowable radial load shown in this catalogue.

Be aware of increased belt tensions using **multi-ply thick heavy belts** and/or larger belt widths.

Motor/gearbox of 800M has its origin from 630H.

However, 800H remains top of the range as to design, reinforcement and strength.

800M and 800H are both designed for **HEAVY DUTY** applications and they provide the necessary torque, belt pull and allowable belt tension in order to handle the toughest, irregular & most extreme and brutal working conditions.

### STANDARD SPECIFICATION of Motorized Pulley

- Crowned mild steel Ø 800 mm steel shell painted yellow - min. layer of 60 µm
- Bolted powder coated cast iron bearing housings and covers, all painted yellow – min. layer of 60 µm
- Mild steel shafts
- Shaft sealing system - degree of protection IP66/67 (EN60034-5)
- Cast iron terminal box painted yellow – min. layer of 60 µm
- 3-phase induction motors with thermal protector
- Voltage: 3-phase single voltage. Most common voltages available. Please specify!
- Motor winding insulation Class F
- Dynamically balanced rotor
- Two oil plugs each fitted with a magnet to filter the oil
- Yellow painted cast steel mounting brackets – one type AL & one type ALO
- Oil change recommended every 10,000 operational hours
- Maximum RL – Please inquire!
- Non standard RL's available
- To be used in horizontal positions ±5 degree only!

### Please note:

- Special speeds available on request.
- Environmental considerations: page 74
- Technical precautions: pages 78-88
- Optional extras: page 67 and back cover
- Connection Diagrams: page 98.

### SEMI-RUST-FREE options

#### TS11

- Painted mild steel shell – min. layer of 120 µm
- Painted cast iron end housings – min. layer of 120 µm
- Stainless steel covers with labyrinth grooves – AISI 304 range
- Nitrided shaft sleeves
- Zinc-plated oil plugs – each with magnet
- Zinc-plated exterior bolts
- Shaft sealing system – degree of protection IP66/67 (EN60034-5)
- Painted terminal box – min. layer of 120 µm
- Nickel plated mounting brackets with labyrinth grooves

#### TS12

- As TS11, but without re-greasable seals.
- Covers - standard

### Please note:

- FDA & USDA food grade recognized oil and grease are NOT included in TS11 & TS12, but available on request.

**Please specify required TS-number when ordering!**