



Motorized Pulley 1000HD, Ø 40.16 in. (1020 mm)

The RULMECA Motorized Pulley type 1000HD is a highly developed reliable and strong drive with a power range of 220—330 HP. It is able to take a high radial load and robust in design. Therefore it is especially developed for use in:

- Mining conveyors,
- Excavators,
- Stackers,
- Reclaimers, and
- Ship loading conveyors.

The motorized pulley 1000HD is designed for tough, irregular, extreme and brutal working conditions.

The compact design allows the design engineers to save material and cost when developing the conveyor.

With its high protection rating and its standard labyrinth sealing system, this Motorized Pulley can be used in all ambient conditions.

STANDARD SPECIFICATION of Motorized Pulley

- Crowned mild steel shell, outside diameter 40.16 in.
- Mild steel shafts.
- Totally enclosed cast iron brackets,
- Shell lagged with 0.39 in thick bonded ceramic lagging,
- Bearing houses from cast steel.
- Three stage cast steel gearboxes.
- Sealing system with degree of protection IP66/67 (EN60034-5).
- Terminal box from cast iron.
- 3-phase induction motors with 3 phase single voltage,
- Std. voltage 460v/3ph/60Hz,
- Please specify voltage.
- Motor winding insulation class H,
- 3 bimetallic thermal protectors connected in series, 2 temperature resistors PT100 and 3 PTC-resistors connected in series installed in the winding.

- Rotor dynamically balanced.
- 2 oil plugs (with magnet).
- Minimum roller length (RL = 55.12 in at 220 HP & 59.06 in at 330 HP,
- Synthetic oil EP220.
- First oil change recommended after 50,000 operational hours.
- Regreasable labyrinth seals.

Please Note:

- **Special speeds:** available on request.
- **Environmental conditions:** See pages 76 -77.
- **Technical precautions:** See pages 78 - 98.
- **Optional extras:** See below.
- **Connection diagrams:** See page 92.

OPTIONAL EXTRAS

Specification	Availability
Different types and shapes of ceramic lagging	x
Mechanical backstop	x
Dust explosion proof Motorized Pulleys - ATEX 95 - Zone 22 - for applications handling of dusty grain etc. According to European Directive 94/9/EC.	x
Degree of protection IP66/67	Std.
Allowable ambient temperatures	-13 degrees F to +120 degrees F
External brake shaft (for mechanical brake by others)	x
Motor protection and control by 3 bimetallic thermal protectors connected in series, 2 temperature sensors PT100 and 3 PTC-resistors connected in series	Std.
Insulation class H with synthetic oil	Std.
Thermal winding protection	Std.
Voltage US (3 x 460V at 60 Hz), Europe (3 x 690V at 50 Hz,) with tolerances +/- 10% (DIN IEC 38)	Std.
IP66/67 cast iron terminal box	Std.
Other voltages from 400V up to 1000V	x
CSA approved motors	x

x = Optional extras
Std. = Fitted as standard