



# DRUM MOTOR

Economy | Efficiency | Endurance



- ▶ Specially designed for conveyors in aggregates and mineral processing industry
- ▶ Very ideal for process and food industry

# Introduction

Motorized pulley from Propel Drives is a state of art drive, compact and energy efficient especially designed for heavy-duty belt conveyor application. Designed and developed by a team having decades of experience in German Engineering combined with indigenous top class manufacturing facility.

**1000'S OF UNITS WERE SUCCESSFULLY COMMISSIONED  
IN INDIA AND AROUND THE WORLD**



# Advantages

## Features

- No external moving parts, No V-belts.
- No rotating shaft, No pillow block bearings.
- Most optimized and ingenious peripheral - drive design.
- Engineered for dusty environment & heavy load applications.
- Inbuilt backstop / holdback / electromagnetic brake.
- Lighter in weight and balanced load on the structure.
- Available in wide range of torque, speed, drum width & diameter.
- IP 65

## Benefits

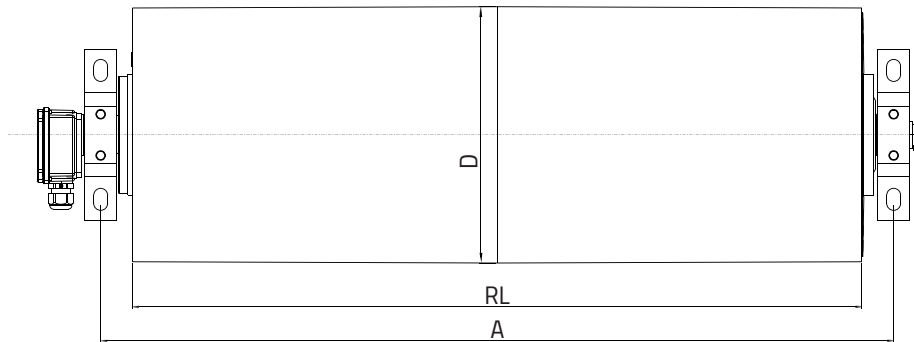
- Compact, easy to install & maintain.
- Lower maintenance cost & manpower.
- Power savings of 20-35% over conventional gear box arrangement.
- Hassle free operations and longer life.
- No need for external backstop, safer in case of power failure.
- Simple and low in weight and hence lowers structural cost.
- Well suited for wide range of applications like: mining, power cement, steel & process plants.

# Technical Specification

Description	Unit	Values					
*Power Range	kW (hp)	0.18 - 30.0 (0.25 - 40.0)					
Speed	m/sec	0.4 - 3.15					
Width RL	mm (inch)	500 - 1800 (20- 71)					
**Diameter D	mm (inch)	140 (5.5)	165 (6)	220 (8)	320 (12)	400 (16)	500 (20)
Center Distance A		Standard / Customized					
Direction of Rotation		Uni-direction / Bi-direction					

\*Standard range under production, other sizes on request.

\*\*Other sizes on request.



## Optional Accessories

- Inbuilt overload thermistor.
- Inbuilt Electromagnetic Brake / Mechanical Backstop.
- Rubber lagging / Ceramic Rubber lagging
- Terminal Box / Circular connector.

Import Substitute /  
Customized  
Motorized pulley  
on request.

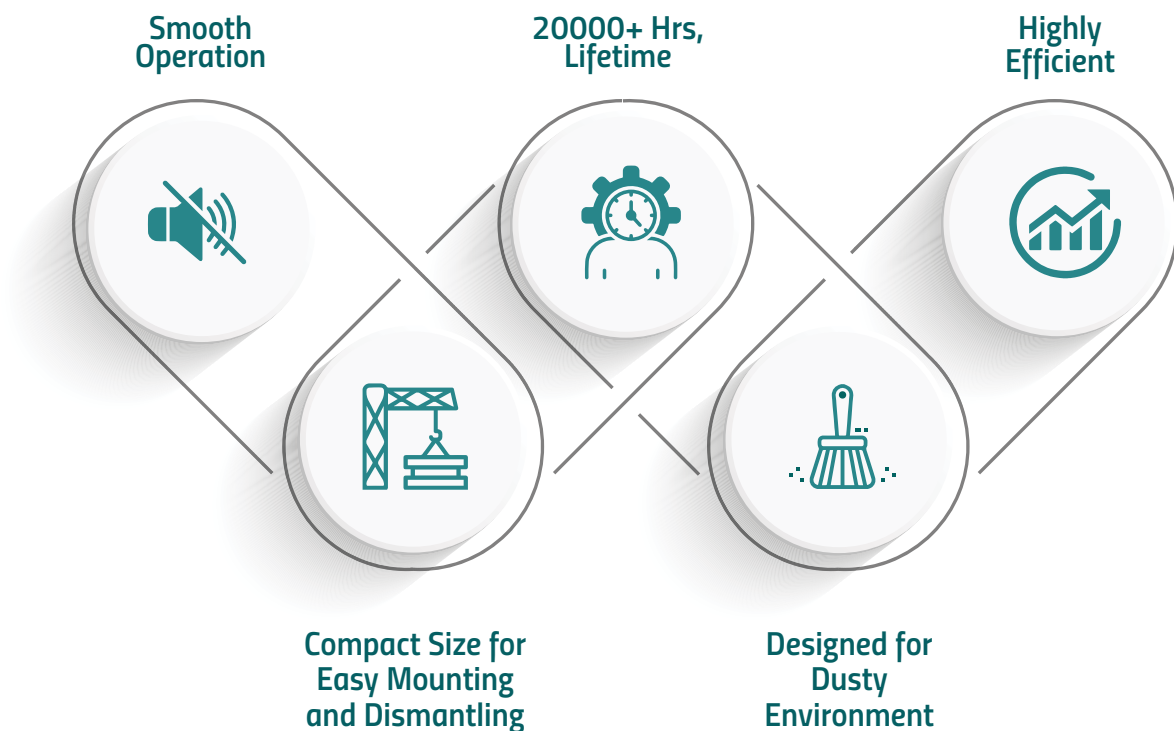
# Salient Features

## Energy saved is Energy produced...

Motorized pulley by virtue of its inherent Design and Engineering, it is less weight and hence less moment of inertia resulting in Significant Power savings.

## More power saving is achieved due to the following factors :-

- Lesser parts / No pillow block
- No belts / external couplings / No rotation of shaft.
- Only two sets of seals against 6-8 seals in a conventional drives.



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