

INSTALLATION INSTRUCTIONS

PM486FS

*Rollers do not come with driver cards

Thank you for your purchase of the Power Moller 24®. Please read these handling instructions first to understand the product, safety information, and cautions before using the product. Keep these handling instructions in a safe and easily accessible place.

Make sure that the product you received matches your purchase order, with its designation, specifications, and operating voltage.

To Use the Product Properly and Safely

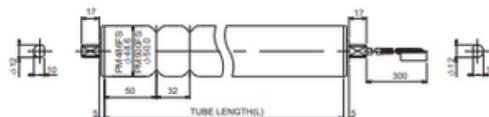
- Do not use this product in explosive, ignitable gas, corrosive, or wet environment (except waterproof or drip proof unit), or around flammable products.
- Switch off the power when conveyor removal, wiring, or maintenance is done in order to avoid risk of electrical shock or injury
- Respect the electrical regulations of the site or equipment where the product is installed (labor and safety regulations, electrical equipment technical standard, etc.)
- Make sure the conveyor is properly grounded
- Make sure the Power Moller's shafts are tightly fixed using the standard mounting brackets supplied together, before operating the unit
- Do not damage, pull, twist, cut, or additionally process the power cable

Power Source/Wiring

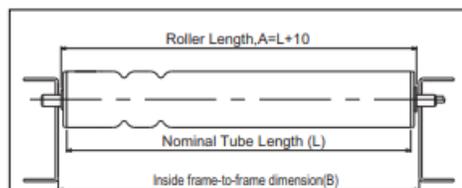
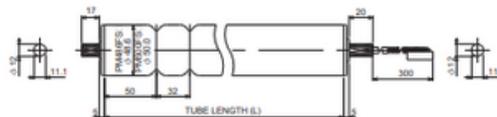
- 24V DC battery, or 24V DC power supply
- Battery or fullwave rectified and smoothed current <10% Ripple
- Female connector of the motor cable is to be coupled with the male connector in the circuit board.
- Incorrect wiring or supply of voltage higher than specified may seriously harm the circuit board.

Dimensions

D shaped shaft



Hex. shaft



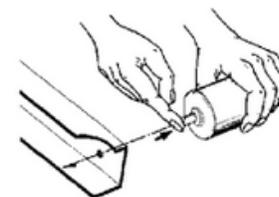
The inside frame-to-frame dimension(B) of the conveyor differs by manufacturer. Depending on the tolerance of dimension B, the total clearance between dimension B and the total roller length (A) should range from 2mm to 5mm (0.078-0.19").

Installation



Unit's shaft must be fixed to the conveyor frame with mounting bracket supplied with the unit. Rattling or idle rotation of the shaft may break the power cable, which can cause a disconnection, by which the Power Moller will cease functioning.

1. Insert the shaft with power cable into conveyor frame.
2. Insert another shaft into the other side of the conveyor frame by pressing its spring loaded shaft.
3. Fix both shafts with the supplied mounting brackets.
4. Mount the circuit board, affixing its radiation plate to the conveyor frame. Couple the female connector of the motor cable with the male connector on the circuit board.



Removal

1. Turn off the power
2. Remove female connector on the motor cable from the male connector on the circuit board
3. Loosen both nuts on the mounting bracket with a screwdriver to remove the unit from the conveyor frame

Mounting Bracket

