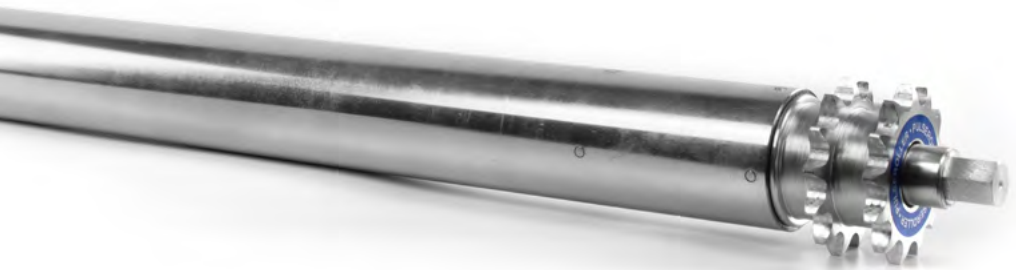


# Pallet-Ai

## 24V



## **The specialised motor roller for pallet handling and transport.**

The Pallet-Ai 24V is the perfect solution for pallet handling in challenging and spatial conditions. Especially when you are not able to install conventional gear motors, Pallet-Ai is the ideal solution for your conveyor system.

## General Technical Data

- **Voltage:** 24V DC
- **Nominal Output (mech.):** 50W
- **Protection Class:** IP54/IP66
- **Rated Current:** BOOST: 3,5A | BOOST-8: 3,5A
- **Starting Current:** BOOST: 5,0A | BOOST-8: 8,0A
- **Connection:** M8 - 4Pin Connector
- **Ambient Temperature:** 0°C – +40°C
- **Ambient Humidity:** 10% – 90% (No Condensation)
- **Tube Material:** Zinc-plated steel, Stainless steel
- **Lagging Options:** 3mm Black Rubber, 3mm Urethane
- **Implementation Options:** Standard, WashDown
- **Certifications:** UL, CE, UKCA, RoHS, REACH

## Characteristics Data

Diameter	Speedcode	Gearbox	Max. Speed m/s*	Rated Torque (Nm)	Acceleration Torque (Nm)
Ø 60,5 mm	8	3-stage	0,14	10,9	49,3
	10		0,2	8,0	36,1
	15		0,3	5,4	24,3
	20		0,4	3,9	17,7

\* The speed can be reduced to 10% with our controls. Recommended working range 100% to 50%.



## Benefits

- **Reliable mechanical design**
- **Error-Free gearbox design**
- **Option for precise positioning**
- **Perfect for tight spatial conditions**
- **Highly adaptable**
- **Same control architecture as Senergy-Ai 24V**

## Features

- **Brushless 24V DC motor**
- **External motor controller**
- **M8-4Pin standard connector**
- **Internal data memory**
- **IP54/IP66/IP69K**
- **Remote control versatility and diagnostics**



M8-4Pin standard connector

M8-4Pin standard connector on ConveyLinX-Ai

Equipped with robust mechanical components, the Pallet-Ai motorised roller is the perfect solution for transporting pallets in challenging spatial conditions. In situations where conventional geared motors fall short, this motorised roller provides a practical and efficient alternative.

With sufficient torque to move pallets weighing up to 1000 kg (please verify the

exact weight), the Pallet-Ai is available in both chain and PolyV versions to drive the conveyor rollers. Its compatibility with the entire „Ai-controls family“ ensures seamless integration into higher-level control systems, making it a versatile choice for a wide range of applications.

# You can decide how you want to control your motor roller!

## EasyRoll+

EasyRoll+ is our self-developed ZPA mode tool for flawless and user-friendly use of our Pallet-Ai in combination with an Ai control of your choice.

For example, you have the option of creating offline projects and uploading them to your online project later. It is also possible to read out the individual modules for diagnostic purposes using the integrated backup viewer and thus also view the power and performance of the motorised roller.

## PLC-I/O mode

As an alternative to our EasyRoll+ software, you can also use the PLC-I/O mode and control it with the ProfiNet, EtherNet-IP, Modus and CC-Link fieldbus systems

All mentioned field busses of ConveyLinx family operate on one hardware. Pulseroller provides for each of those field busses required driver software individually designed for respective PLCs.



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