



Sveaverken



ROBOPUSHER NIMBO



Visual Navigation



Real-time Remote Monitoring



Fast Charging System



High-power Motor



Compact Design



Easy Maintenance



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CORE ADVANTAGE

• Visual Navigation

As the pioneer of visual navigation technology in the industry, Sveaverken further changes how feed pushing robots work. With deeply optimized algorithms and the ultrasonic module, the RoboPusher Nimbo is able to identify obstacles and adjust its travel routes automatically.

• Real-time Remote Monitoring

Barn images can be sent back in real time to an IoT platform where you can monitor the robot and check the herd at any time. You can remotely control the robot and set its parameters such as operating hours if necessary.

• Fast Charging System

The robot comes standard with a newly developed 48 V 40 Ah ternary lithium battery. Once the robot finishes feed pushing, it will automatically return to the charging station for re-charging. This function ensures that the robot can work for over 16 hours per day.

• Compact Design

The robot features a compact design with a newly developed small-sized charging station, requiring less room for deployment. Thanks to its small body, the robot takes up less space on the feeding alley and therefore fits small and medium sized farms better.



• High-power Motor

The robot uses new 400 W high-power brushless motors and adopts a newly self-developed motor controller. It has been optimized based on scenarios of small and medium sized farms to deliver a higher drive torque.

• Easy Maintenance

With an innovative modular design, the robot requires no special maintenance for its main parts. The combination of a new quick-release roller and self-cleaning charging plates further reduces the maintenance frequency and difficulty. The routine maintenance work will no longer be a trouble for farmers.

SPECIFICATIONS

Product Name	RoboPusher Nimbo
Model No.	SCP300
Diameter	1080 mm
Height	1120 mm (Working) 665 mm (Transporting)
Weight	410 kg
Max. Travel Speed	18 m/min
Max. Slope	6°
Working Temperature	-20°C ~ 50°C
Number of Wheels	3
Driving Wheel	2×Ø250×80 mm

Navigation	Visual Navigation + Magnetic Nail
Obstacle Avoidance	Visual
Driving Motor Quantity	2
Driving Motor Power	400 W
Battery Type	Ternary Lithium Battery
Normal Voltage of Battery	48 V
Battery Capacity	40 AH
Charger Input Voltage	220 V
Charger Input Frequency	45 ~ 65 Hz
Charger Output Voltage	48 V