

# NOBLELIFT FRANCE



## ANB510

### ROBOTIC SCRUBBER-DRYER



Robust  
design



High  
performance



Easy  
maintenance



AI  
technology

*Why choose between price and quality when you can have both !*

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# ANB510 - P R O D U C T O V E R V I E W

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## Artificial intelligence scrubber-drier

### Superior productivity and cleaning performance

The ANB510 is a robotic scrubber-dryer offering exceptional productivity and cleaning performance. Equipped with a 55-litre water tank and a 120 Ah lithium battery, this robotic scrubber-dryer can efficiently cover a large area in a short space of time. Its high pressure on the platform ensures a thorough and effective clean, making it a reliable cleaning solution for all types of task. With a total productivity of 2570 m<sup>2</sup> per hour, this robotic scrubber-dryer is perfect for a wide range of spaces, whatever their size.



### // Intelligent cleaning

The ANB510 is equipped with the latest and most advanced 3D lidar technology and the most powerful AI computer chip, enabling it to perform truly human-like intelligent cleaning. What's more, it can operate at a distance of less than 5 cm from the wall and adapt its mapping to the environment. It can optimise its cleaning route and increase its efficiency.

### // Automated updates

Thanks to its advanced mapping capabilities and sophisticated algorithms, the ANB510 adapts to changes in the environment without any human intervention. Thanks to the free OTA facility, software updates can be carried out easily without the need for a technician to visit the site. This after-sales service ensures that the scrubber-dryer is always up to date.

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### // Enhanced durability

The ANB510 has been rigorously tested and manufactured using a rotational moulding process from carefully selected components. As a result, it is able to withstand wear and tear and operate reliably and durably for long periods.

### // High level of safety

Equipped with multiple sensors and a complete three-dimensional 360-degree safety protection system, this scrubber-dryer offers a high level of safety.



## // Easy maintenance

The ANB510 is easy to maintain thanks to its automatic water filling and draining system, as well as its charging and discharging capabilities, which are accessible via the single-service charging station. What's more, its modular components and intuitive interior design make maintenance and troubleshooting a breeze.



Control screen



Obstacle detection sensors



Cleaning brush 510 mm



710 mm cleaning squeegee

## // A connected scrubber-dryer

The mobile application makes it easy to manage and monitor cleaning operations. Users can track the movements of the scrubber-dryer, check its performance, plan routes, receive alerts at the end of a cycle and much more. Intuitive, the application optimises supervision and efficiency of the robotic scrubber-dryer, ensuring maximum cleanliness of the areas it manages.





# ANB510 - PRODUCT FEATURES

| Technical specifications |                               |       |                                                                        |
|--------------------------|-------------------------------|-------|------------------------------------------------------------------------|
| 1                        | Model                         |       | ANB510                                                                 |
| 2                        | Length                        | mm    | 1030                                                                   |
| 3                        | Width (without squeegee)      | mm    | 580                                                                    |
| 4                        | Height                        | mm    | 1045                                                                   |
| 5                        | Weight                        | kg    | 220                                                                    |
| 6                        | Cleaning width                | mm    | 510                                                                    |
| 7                        | Width of squeegee             | mm    | 740                                                                    |
| 8                        | Max. theoretical productivity | m²/h  | 2570                                                                   |
| 9                        | Brush pressure                | kg    | 25                                                                     |
| 10                       | Disc brush rotation speed     | rpm   | 220                                                                    |
| 11                       | Clean water tank capacity     | L     | 55                                                                     |
| 12                       | Waste water tank capacity     | L     | 55                                                                     |
| 13                       | Max. speed                    | m/s   | 1,4                                                                    |
| 14                       | Min. distance from wall       | mm    | <500                                                                   |
| 15                       | Min. passage width            | mm    | 900                                                                    |
| 16                       | Grade clearance               | °     | 6                                                                      |
| 17                       | Battery type                  |       | Lithium                                                                |
| 18                       | Battery capacity              | V/Ah  | 24 / 120                                                               |
| 19                       | Charging time                 | h     | 4                                                                      |
| 20                       | Max autonomy                  | h     | 6                                                                      |
| 21                       | Sensors                       |       | 3D LIDAR, 3D depth camera, ultrasound sensor, bumper sensor            |
| 22                       | Noise level                   | dB(A) | 67                                                                     |
| 23                       | Processing chip               |       | Nvidia Xavier AI peripheral chips with up to 32 TOPS of AI performance |
| 24                       | Mapping sensor                |       | 3D LIDAR with 150 m detection range                                    |



## Charging station for ANB510

### // 4 in 1 function

The charging station is equipped with a range of automatic functions for easy maintenance of the scrubber-dryer. From recharging to emptying clean and waste water, via detergent emptying, this station is fully parameterised.

### // Optimum safety

The charging station is CE certified, proving that it meets rigorous safety standards. Thanks to its dual signal loss detection function, the charging station automatically switches off if the scrubber-dryer becomes detached, providing additional safety. The station also incorporates a number of including overheating, short-circuit and power surge protection, enhancing its safety performance.

### // User interface

The clear, concise user interface enables users to understand how the system works. This increases efficiency and reduces training costs.



### Technical specifications

|   |                               |    |                    |
|---|-------------------------------|----|--------------------|
| 1 | Dimensions (L x W x H)        | mm | 460 x 260 x 860 mm |
| 2 | Weight                        | kg | 45                 |
| 3 | Input voltage                 | V  | 100 - 240          |
| 4 | Power                         | W  | 1000               |
| 5 | Output voltage                | V  | 24                 |
| 6 | Output current                | A  | 30                 |
| 7 | Operating ambient temperature | °C | -0 à 45            |





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