

Automatic Floor Cleaning Robot

# PROBO-Clean (RA660 Navi)



The ideal product for cleaning extensive areas like gymnasiums, factories, warehouses, hospitals, super markets, and airports.

**NKC**



## An independently operating floor-cleaning robot incorporating advanced mapping

The PROBO-Clean (RA660 Navi) features a controller that employs advanced mapping technology that eliminates the need for conventional guidance control systems such as instruction lines, magnetic tape, and light reflectors. It operates independently while recognizing its own position.

Your premises can be cleaned without disrupting daytime operations; thus, it increases your work efficiency.

In addition, it solves understaffing issues and overcomes the problem of uneven cleaning performance by janitorial staff. These features contribute to both reduced costs and increased cleanliness.

Note: An operator is required to start cleaning operations at each site.

**WINNER  
AMSTERDAM  
INNOVATION  
AWARD  
2016**

Winner of the Innovation Award at 2016 ISSA/Interclean trade show.

### Advanced mapping function

- Cleans multiple passages while automatically avoiding obstacles.
- Cleans every corner of the entire mapped area.
- Trouble-free cleaning, with no tracing required.

### Can clean very large areas, equivalent to 6.4 basketball courts

- Maximum cleaning area (obstacle-free): 27,000 ft<sup>2</sup> / 2,500m<sup>2</sup>

Cleaning area with few obstacles	6,450 ft <sup>2</sup> / 600m <sup>2</sup> in 45 min. or 12,900 ft <sup>2</sup> / 1,200m <sup>2</sup> in 70 min.
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Cleaning area with many obstacles	4,840 ft <sup>2</sup> / 450m <sup>2</sup> in 45 min. or 11,800 ft <sup>2</sup> / 1,100m <sup>2</sup> in 70 min.
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Note: All figures approximate.

### Cleans right into corners

- Since the product is cylindrical, it can clean up to 8 in / 20 cm from walls.

### Safety

- The PROBO-Clean (RA660 Navi) operates only after determining the suitability of the surroundings. It measures the distance to adjacent walls and detects obstacles with sensors. When an obstacle is detected, it avoids the obstacle and continues cleaning.

- If the front bumper contacts an obstacle, the contact is detected, the obstacle is avoided, and cleaning operation continues (restarting is not required).



Front bumper sensor



## Accessories

### Pad



Brown pad  
Scraping, cleaning



Green pad  
Surface cleaning



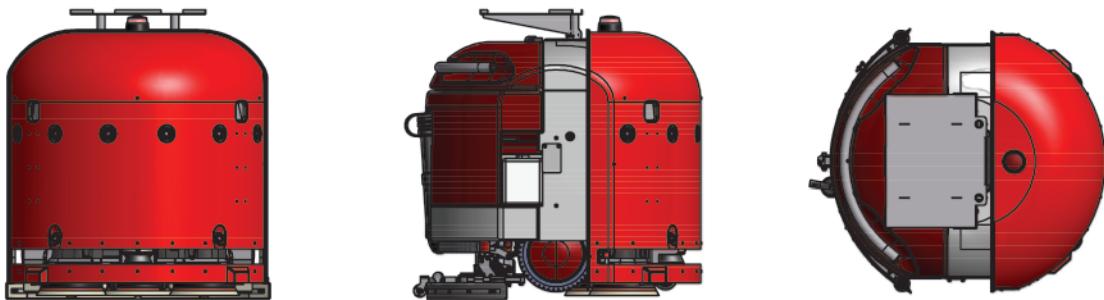
Blue pad  
Surface cleaning



Red pad  
Light surface cleaning and polishing

### Brush





#### ■ Specifications

	Unit		Unit	
Cleaning speed	m/s	max. 0.6	ft/s	max. 2.0
Battery charging time	Hour	6-8	Hour	6-8
Running time = (battery and water)	Hour	About 2-3	Hour	About 2-3
Batteries		2×12V (115Ah)		
Cleaned area per charge Varies depending on room layout and water volume	m <sup>2</sup>	About 2,500	ft <sup>2</sup>	About 27,000
Fall protection		Infrared sensors		
Working width of the brushes (3 brushes)	mm	660	Inch	26.0
Working width of the suction cup	mm	790	Inch	31.1
Clean water tank	Liter	40	Gallon	10.5
Waste water tank	Liter	50	Gallon	13.2
Dimensions (W×D×H)	mm	925×850×880	Inch	36.4×33.5×34.6
Total weight, including batteries without water	kg	275	Pound	606

#### Notes:

- The content and specifications in this catalog are subject to change without notice in the interests of product improvement.
- This product is intended solely for indoor use.
- Contact us for information on the conditions required for automatic operation.
- The content of this catalog is current as of June 2017.

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