



HIGH QUALITY, HIGHEST PERFORMANCE

RoBot FS 112

AUTONOMIC & MANUALLY



Simple & clever

INNOVATIVE
CLEANING SYSTEMS

RoBot FS 112



AUTONOMOUS DRIVING
RIDE-ON MACHINE

HIGH QUALITY, HIGHEST PERFORMANCE

BENEFITS

- economical cleaning of narrow passages and open areas with just one machine on the basis of automatic adjustable working width
- easy handling
- around the clock use, thanks to the **Quick-Change**® battery system
- minimizing the numbers of machines
- additional brush pressure level
- long working time between filling and emptying due to large tank volume
- extremely compact dimensions
- autonomous and manual ride on machine

TECHNICAL DATA

RoBot FS 112

Working width brushes	710 - 1120 mm
Working width vacuum barn	790 - 1240 mm
Turnable scrubbing and suction head TURNADO ®	+/- 200°
Housing width	760 mm
Total length	1730 mm
Total height (without roll bar)	1370 mm
Width of passage	830 mm
Tankvolume (dirty and fresh water tank)	Each 220 l
Max. surface pressure	0,65 N/mm ²
Max. working weight (with 275Ah batteries, driver and water)	930 kg
Dead weight (with 275Ah batterie and driver)	710 kg
Working performance	
Theoretical cleaning rate (manual)	bis max. 8960 m ² /h
Theoretical cleaning rate (autonomous)	bis max. 6000 m ² /h
Max. speed (manual)	8 km/h
Max. speed (autonomous)	4,4 km/h
Max. water supply	ca. 8,9 l/min
Speedadjusted water supply	Yes
Noise level cleaning / Silent function	72/66 db
Fast start / stop operator control with one button	Yes
Motor performance	
Brush motor	2 x 500 W
Vacuum motor	2 x 500 W
Drive motor	900 W
Brushes / pads	
Pressure brush / pad	2,3/0,5 N/cm ²
Diameter	285 mm
Battery	
Voltage	24 V
Capacity (maintance free gel batteries)	275 Ah
Working time (depending on floor, battery and dirt)	ca. 2 - 4 h
Quick-Change® battery system	Yes

(HEFTER reserves the right to make technical changes)

Version 01.2018



BASIC MACHINE // HEFTER FS 112 XXL Servo

The RoBot FS 112

The HEFTER technologies **VARIOTECH[®]**, **TURNADO[®]** and **QUICK-CHANGE[®]** are combined in the ride-on machines. This enables maximum flexibility and agility for mechanical floor cleaning:

- turnable scrub and suction head
- cleaning both forwards and backwards
- cleaning in dead ends, corners and niches
 - easy cleaning close to edges
 - extremely agile and effective

These ride-on cleaning machines with their unique HEFTER technologies offer the possibility of variable working widths from 71 cm to 112 cm, as well as the possibility of turning the variable working head through 180 degrees, and further, cleaning 100% in reverse.

The RoBot FS 112 is based on the HEFTER FS 112 which is equipped with an autonomous Navigation System - By that, the machine can be used as an autonomous- highly flexible – Cleaning RoBot as well as an Standard ride-on machine.

The comprehensive safety technology will grant a CE conformity according to the necessary standards for self-propelled vehicles.

This safety technology allows a max. driving speed of 4.4 km/h resulting in the outstanding theoretical area performance of 5.000 m² (maximum) per hour.

Additional options such as automatic filling and emptying, automatic charging station, water recycling, digit-data, remote-control, visual-care, will follow.



Touchscreen monitor



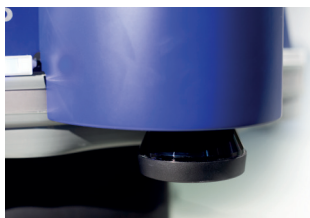
Touch sensor



Safety laser scanner



2 x 3-D Obstacles avoidance



Long range navigation laser



Direction indicator



Emergency STOP



2 x Laser scanner



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