

TECHNICAL DATASHEET

# Roxia Floating Aerator 55 kW (75 hp)

Roxia Floating Aerators are CE marked products from Finland.

## Technical data

Oxygen transfer efficiency	Up to 2,0 kgO <sub>2</sub> /kWh* (4.0 lbO <sub>2</sub> /hp-hr)
Spray pattern diameter	Appr. 8,5 m (27.9 ft)
Motor	3-phase customized motor manufactured by Lönne or equal (CE, UL and CSA approved)
Nominal power	55 kW (75 hp)
Efficiency class	IE3
Insulation class	F
V/F	50 Hz: 400 V +- 5%, 21,5A; 60 Hz: 460V +- 5%, 21,5A
Electrical cable	4G35 European standard cable. Note: Length and local electrical control system may affect. When using AC-drive EMC-cable or shielded cable is required
Main dimensions	3250 mm x 3250 mm x 2200 mm (128.0" x 128.0" x 86.6")
Weight of aerator with floats	Appr. 1350 kg (2976 lb)
Materials	<ul style="list-style-type: none"> <li>× Metals AISI 304</li> <li>× Impeller alloyed special bronze</li> <li>× Float PE-plastic</li> <li>× Intake pipe** PE-plastic and stainless steel</li> </ul>

## Optional features

- Frequency converter (AC-drive)
  - × Protection class IP20 or IP55
  - × Automatic impeller cleaning cycle feature

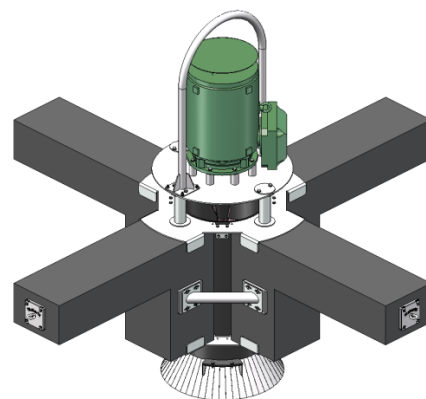
Roxia Digital Solutions & Roxia Malibu™

Metal parts AISI 316

Intake pipe screen

Lifting frame

Shallow pond protect



\* Oxygen measurement accuracy ± 15%

\*\* Customer must define the length of the intake pipe (the pipe should be 2,0 - 3,0 m / 6.6 - 9.8 ft above the bottom of the basin, depends on basins material).

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