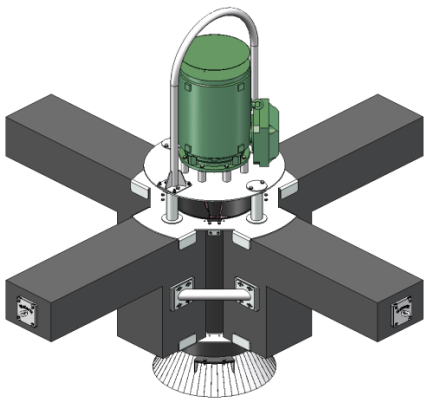
TEHNICAL DATASHEET

Roxia Floating Aerator 22 kW (30 hp)

Roxia Floating Aerators are CE marked products from Finland.

Technical data	
Oxygen transfer efficiency	Up to 2,0 kgO_2/kWh* (4.0 lbO2/hp-hr)
Spray pattern diameter	Appr. 7 m (23 ft)
Motor	3-phase customized motor manufactured by Lönne or equal (CE, UL and CSA approved)
Nominal power	22 kW (30 hp)
Efficiency class	IE3
Insulation class	F
V/F	50 Hz: 400 V +- 5%, 21,5A; 60 Hz: 460V +- 5%, 21,5A
Electrical cable	4G16 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	2800 mm x 2800 mm x 1600 mm (110.2” x 110.2” x 63.0”)
Weight of aerator with floats	Appr. 620 kg (1367 lb)
Materials	× Metals AISI 304 × Impeller alloyed special bronze × Float PE-plastic × Intake pipe** PE-plastic and stainless steel

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 1,5 - 2,5 m / 4.9 - 8,2 ft above the bottom of the basin, depends on basins material).

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