



APPLICATION

Floating aerators from TMI are primarily used on lagoons where civil engineering works would be very costly or unfeasible. These floating aerators share the same design characteristics as fixed aerators, in which a gear motor with a high AGMA rating drives a surface turbine at low rpm.

The only difference is in the installation: these aerators sit atop a floating frame mounted on three floats to prevent any risk of leaks. They are attached to threaded rods to enable fine adjustments. Our AVLF aerators not only significantly reduce the cost of civil engineering works; they can also be used on tanks where levels fluctuate. They are easy to install and easy to move using the mooring lines.

These low-speed aerators are available in 1.1 kW to 45 kW versions. The turbines are available in 600 to 2,000 mm diameter versions.

OPTIONS

- Specific voltages
- Electrical wiring
- Mooring slings
- Atex motor
- Variator
- High-specification materials (Uranus 52N, Uranus B6, range of coatings, etc)
- Other options are available according to requirements. Contact us for information.

SUMMARY

- Low-speed aerators suited to high oxygen transfer
- Floating aerator
- Easy to operate and install
- Wide range of sizes
- Standard 230/400 V • Three-phase 50 Hz Tropicalized
- Numerous options

TECHNICAL DATA

Type	P (kw)	N (tr/min)	Q (m3/h)	Ø Turbine	Oxygenation capacity (kgo2/h)	Specific capacity (kgo2/kw/h)	freeboard height B	Min. water height	Max. water height	Ø max pond	Ø min pond
AVLE 111F	1,1	1400	540	600	1,5	1,4	500	1200	2000	6	4,6
AVLE 115F	1,5	1420	760	600	2,2	1,5	500	1200	2200	7	5
AVLE 122F	2,2	1400	1100	850	3	1,4	500	1700	2500	7	5,7
AVLE 130F	3	1400	1500	850	4,4	1,5	500	1700	3000	8,5	6,2
AVLE 140F	4	1420	2300	1050	6	1,5	600	2100	3000	8,6	7
AVLE 255F	5,5	1430	2500	1220	8	1,5	600	2500	3400	9,2	7,5
AVLE 275F	7,5	1450	2800	1220	11	1,5	600	2500	3500	11	8,6
AVLE 2110F	11	1440	4000	1220	17	1,6	600	2500	4200	13	10
AVLE 2150F	15	1450	5500	1400	25	1,7	700	2800	4300	14	11,5
AVLE 2185F	18,5	1460	6500	1500	31	1,7	700	3000	4500	15,4	12,5
AVLE 2220F	22	1460	10000	1750	36	1,7	700	3500	5000	15,5	13
AVLE 2300F	30	1470	11000	1800	48	1,7	800	3600	5300	17,9	14,7
AVLE 2370F	37	1470	13000	1800	62	1,7	800	3600	5500	20	16
AVLE 2450F	45	1470	17000	2000	73	1,7	800	4000	6000	23	18

> Drawing for illustration purposes

