KAMPS

# $O_2$water

## Oxygenate water efficiently!

*In lagoon basins, fish farms, pools, etc...*



Water can be oxygenated by several methods but the most effective in terms of investment and energy consumption is undoubtedly aeration using a large diameter, slow turbine.

The $O_2$water aerator meets this requirement. This aerator is based on the AIRMAX aerators, which are used in large, public or industrial waste water plants, where energy efficiency is of primary importance.

In many cases, energy savings of up to 50% can be achieved compared with traditional aeration techniques.

This has been proved by in situ tests.

The $O_2$water aerator can be used in aerated lagoons, for aquaculture or aerating pools. It maintains water speeds whilst also guaranteeing excellent mixing, which can only be achieved by a slow machine.

It is easy to install, there is minimal maintenance, it can't be submerged and is very stable.

Aerating lagoons also prevents unpleasant odours.

**www.kamps.be**

# $O_2$water

## Technical specifications

### Application

Floating: WTP lagoon basins, fishing pools

### Advantages

1. Easy to install
2. Easy to operate
3. Nearly no maintenance
4. Optimal mixing capacity

### Technical design

| Order code | Impeller diameter | Rotation speed | Motor power | Minimum immersion | Maximum immersion | Bearing lifetime |
|---|---|---|---|---|---|---|
| | m | rpm | kw | $kgO_2/h$ | $kgO_2/h$ | Lh10 |
| 60018 | 0,6 | 101,9 | 0,75 | 1,2 | 1,8 | 100.000 |
| 70025 | 0,7 | 84,9 | 1,1 | 1,7 | 2,5 | 50.000 |
| 70022 | 0,7 | 79,2 | 1,1 | 1,5 | 2,2 | 100.000 |
| 75035 | 0,75 | 85,7 | 1,5 | 2,4 | 3,5 | 75.000 |
| 80047 | 0,8 | 86,3 | 2,2 | 3,2 | 4,7 | 50.000 |
| 80044 | 0,8 | 83,1 | 2,2 | 3,0 | 4,4 | 100.000 |
| 90065 | 0,9 | 77,7 | 3 | 4,4 | 6,5 | 50.000 |
| 90069 | 0,9 | 80,2 | 3 | 4,7 | 6,9 | 100.000 |
| 100085 | 1 | 69,6 | 4 | 7,1 | 10,4 | 100.000 |

### Motor

IE2 efficiency option IE3 or IE4
Class F insulation rise B (80K)
Ambient temperature: 40°C
Voltage : 240/400V to be mentionned on the order
Frequency-ph: 50Hz/3ph

### Aerator

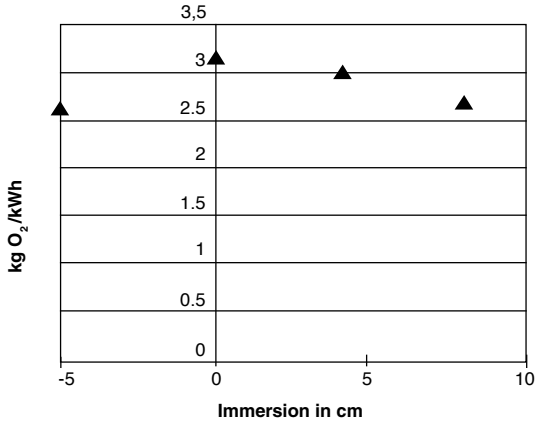
Material: C-St high resistance, Protection: HDG
Blade: low hydraulic resistance
Bolt connection: 8.8 DIN 931, 934
Adjustable power
O&M: French/English

### Gearbox

Rain canopy, Service factor: > 1,5
Efficiency: > 96%, Dust proof
Ambient temperature: 40°C
Lantern for using IEC motor
Low speed shaft: fixed coupling

### Options

Seaworthy packaging
Submersible electrical wire
Wire ropes and thimbles
PTC on the motor
Splash covering
$O_2$ control with VFD




▲ Efficiency at design rpm measured following EN 12255-15 norm, tests conducted by an independent laboratory

**Warranty** Mechanical: 2 years as from delivery
Performance >2,5 $kgO_2$/kwh wire to water in complete mixed tank at zero immersion

**Delivery time** About 8 weeks after confirmation

**Production information** Customer should inform us about the bridge level and maximum water level

*All technical specifications in this document are subject to modifications at any time without previous warning.*

## *Best Science • Best Support • Best Success*

KAMPS is an industrial company specialising in water treatment.
Its flexible structure enables it to guarantee its customers a fast, flexible and dynamic response to their requirements.

**Contact-us**

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