



**Aeration  
Industries®**

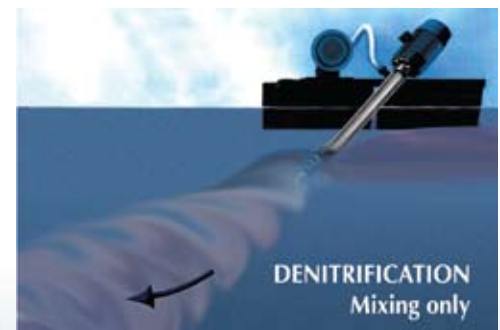
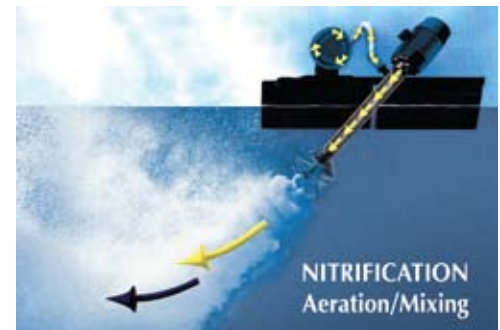
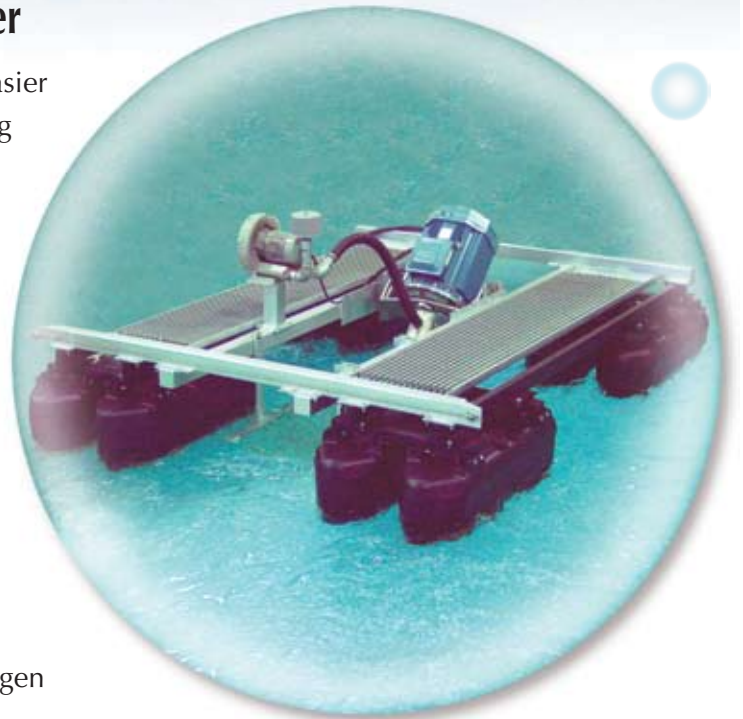
## **AIRE-O<sub>2</sub> TRITON®** Process Aerator/Mixer

### **The Industry's Most Advanced Aerator/Mixer**

Biological nutrient removal (BNR) processes are now easier to regulate and more cost effective by combining mixing and aeration in a single compact unit with independent aeration control. The patented AIRE-O<sub>2</sub> TRITON® Process Aerator/Mixer maximizes fine bubble oxygen dispersion and mixing for greater oxygen transfer efficiencies. Together with our AIRE-O<sub>2</sub>® aerator, over 62,000 units have been delivered in the U.S. and over 92 countries since 1974.

### **AIRE-O<sub>2</sub> Triton® Dual-Function Aerator/Mixer Benefits:**

- Saves energy and reduces operating costs.
- Engineered propeller/ring design results in higher oxygen transfer and superior mixing.
- Increased O<sub>2</sub> transfer & subsurface mixing generates greater treatment efficiencies, resulting in energy savings up to 50%.
- Mixing capability from 6 to 33 feet deep (1.8 to 10 m).
- Minimal maintenance: simple mechanical design, few wear parts. No gear box.
- Dual-function process capabilities for aeration and/or mixing.
- EPA defined 'fine bubble' aeration, 2.2 mm or less.
- Low speed (900 rpm/60 Hz – 750 rpm/50 Hz) operation ensures extended aerator life, improves mixing and quiet operation.
- No aerosols, splashing, or released pathogens into the air.
- Ideal for energy savings upgrades.
- Available in 5 through 75 Hp (3.75 to 55.9 KW) sizes and worldwide voltage, phase and Hz combinations.
- Up to Five (5) Year Warranty, depending on application.



*"The TRITON aerators are working really good and do a good job of mixing. Now, I don't have to do any maintenance ...except to grease them every 6 months."*

John Ford, Franklin Wastewater Treatment Plant, Franklin, LA

# AIRE-O<sub>2</sub> TRITON<sup>®</sup> Process Aerator/Mixer

## Mounting Options:

Wall Mount option also available.

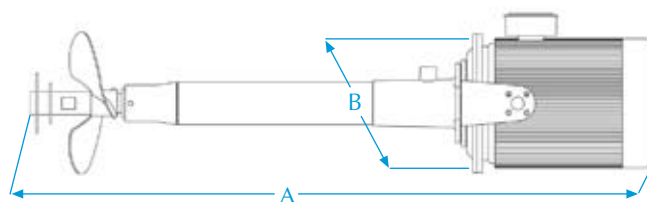
For anchor mounting details please contact the factory.



Bridge Mount



Float Mount



## 60 / 50 Hz Weights & Measures for the AIRE-O<sub>2</sub> TRITON<sup>®</sup> Aerator:

NEMA AND IEC Motors Available

HP	Kw	Dimensions		Motor Frame Size	60 hz Motor RPM	Motor 60 hz FLA@ 460V	50 hz Motor RPM	Motor 50 hz FLA@ 380V	Ship weight lbs. (kg)	Pontoon System Avail.	Pontoon System
		A In. (m)	B In. (m)								
5	4	76 (1.93)	16 (.41)	254TCZ	865	8	750	10	480 (218)	b	a Intra-Pond
7.5	5.5	76 (1.93)	16 (.41)	256TCZ	865	11	750	12	540 (245)	b	b Tri-pontoon
10	7.5	87 (2.21)	21 (.53)	284TCZ	870	15	750	17	660 (299)	c	c Quad-pontoon
15	11	87 (2.21)	21 (.53)	286TCZ	870	23	750	25	680 (308)	c	d Penta-pontoon
20	15	87 (2.21)	21 (.53)	324TCZ	880	29	750	33	880 (399)	c	e Hexa-pontoon
25	18.5	93 (2.36)	26 (.66)	326TCZ	880	35	750	42	910 (413)	c,d	f Hepta-pontoon
30	22	93 (2.36)	30 (.76)	364TCZ	875	42	750	51	1400 (635)	d	g Octa-pontoon
50	37	102 (2.59)	31 (.79)	250SM	887	64	735	74	1515 (687)	g	Pontoon systems available for 50 hz / 60 hz may vary. Contact factory.
60	45	102 (2.59)	31 (.79)	250SM	884	74	725	81	1565 (710)	g	
75	55	102 (2.59)	32 (.81)	250SM	884	97	N/A	N/A	1715 (778)	g	

N/A – Not available at time of printing. Check with factory.

FRAME SIZE, RPM, FLA, and SHIP WEIGHTS may vary between motor manufacturers.

Data subject to change without notice.

For estimate only - consult factory.



**Aeration Industries<sup>®</sup>**

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