



**Aeration  
Industries®**

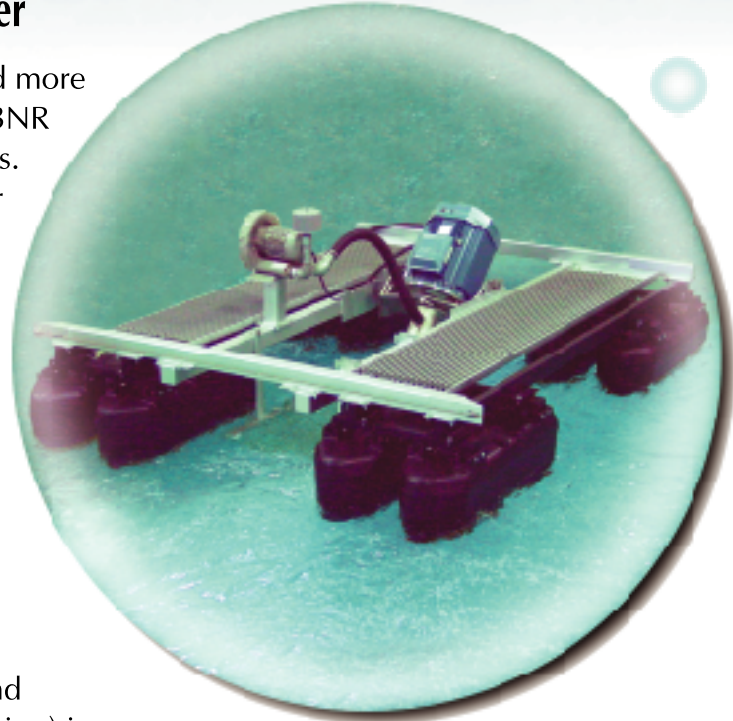
## **AIRE-O<sub>2</sub> TRITON®** Process Aerator/Mixer

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

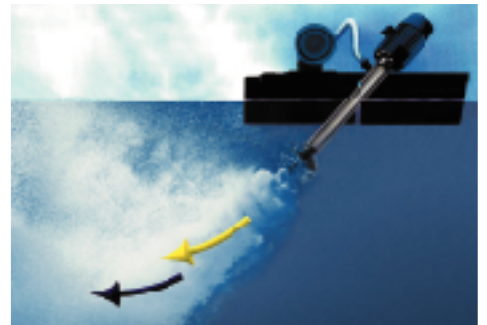
Biological nutrient removal (BNR) is now easier and more cost effective by combining mixing, aeration, and BNR in a single compact unit with separate on/off modes. The patented AIRE-O<sub>2</sub> TRITON® Process Aerator/Mixer maximizes fine bubble oxygen dispersion and mixing for greater oxygen transfer efficiencies. Together with our AIRE-O<sub>2</sub>® aerator, more than 50,000 units have been delivered since 1974.

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

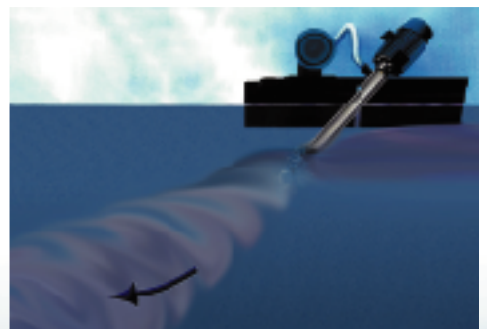
- Proprietary engineered propellers for higher oxygen transfer and superior mixing capabilities, from 6 to 33 ft. (1.8 – 10 m) deep.
- Dual function process capabilities for aeration and mixing (nitrification) and mixing only (denitrification) in the off mode.
- EPA defined fine bubble aeration, 2.2 mm or less.
- Low speed (900 rpm/60 Hz - 750 rpm/50 Hz) operation ensures extended aerator life, greatly improved mixing, and quiet operation.
- Increased oxygen transfer & mixing lead to greater treatment efficiencies that can result in up to 50% electrical savings.
- No aerosols, splashing, or released pathogens into the air.
- Community friendly - eliminates odors, quiet operation.
- Perfect for energy saving 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.



**Aeration  
and  
Mixing**



**Mixing  
Only**



*"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."*

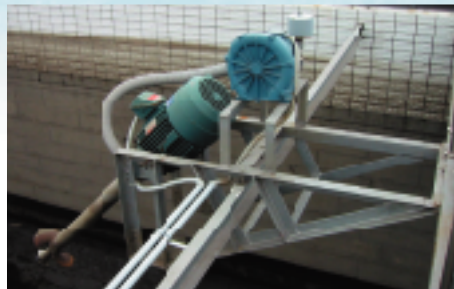
John Ford, Franklin Wastewater Treatment Plant, Franklin, LA

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

## Mounting Options:

**Wall Mount**  
option also available.

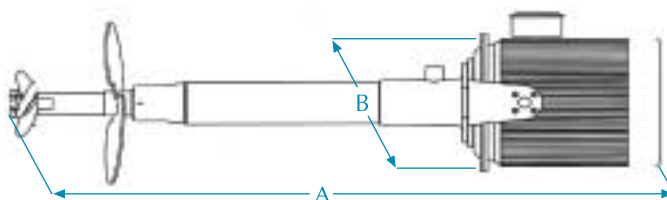
For anchor mounting  
details please  
contact the factory.



**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 50 hz FLA@ 460V	Motor 50 hz RPM	Motor FLA@ 380V	Ship weight lbs. (kg)	Pontoon System Avail.	Pontoon System
		A In. (m)	B In. (m)								
5	4	78 (1.99)	16 (.41)	254TCZ	865	10	750	8	565 (256)	b	a <i>Intra-Pond</i>
7.5	5.5	78 (1.99)	16 (.41)	256TCZ	865	12	750	11	625 (284)	b	b <i>Tri-pontoon</i>
10	7.5	89 (2.26)	21 (.53)	284TCZ	870	17	750	15	745 (338)	c	c <i>Quad-pontoon</i>
15	11	89 (2.26)	21 (.53)	286TCZ	870	25	750	23	765 (347)	c	d <i>Penta-pontoon</i>
20	15	89 (2.26)	21 (.53)	324TCZ	880	33	750	29	965 (438)	c	e <i>Hexa-pontoon</i>
25	18.5	95 (2.40)	26 (.66)	326TCZ	880	42	750	35	995 (451)	c,d	f <i>Hepta-pontoon</i>
30	22	95 (2.40)	30 (.76)	364TCZ	875	51	750	42	1485 (674)	d	g <i>Octa-pontoon</i>
50	37	104 (2.64)	31 (.79)	250SM	887	64	735	74	1600 (726)	f,g	Pontoon systems available for 50 hz / 60 hz may vary. Contact factory.
60	45	104 (2.64)	31 (.79)	250SM	884	74	725	81	1650 (748)	f	
75	55	104 (2.64)	32 (.81)	250SM	884	97	N/A	N/A	1800 (817)	f,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.



**Aeration  
Industries<sup>®</sup>**

AIRE-O<sub>2</sub><sup>®</sup>

Aeration Industries International, Inc.  
Mail To: P.O. Box 59144 • Minneapolis, MN 55459-0144 USA  
Ship To: 4100 Peavey Road • Chaska, MN 55318-2353 USA  
1-952-448-6789 / 1-800-328-8287 (USA) / FAX 1-952-448-7293  
[www.aireo2.com](http://www.aireo2.com)

© Copyright 2004 Aeration Industries International, Inc. All Rights Reserved

TRITSpec1004-00