



**Aeration
Industries®**

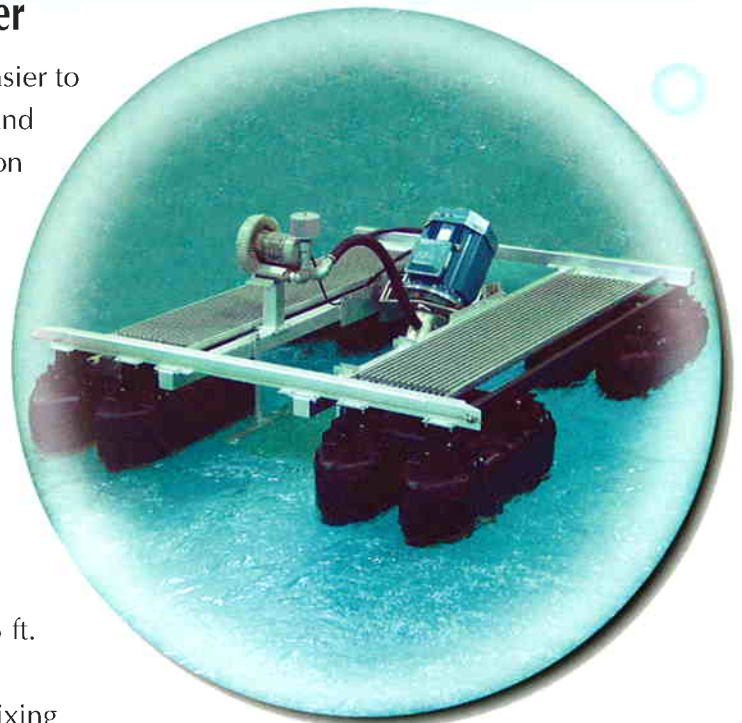
AIRE-O₂ TRITON® Process Aerator/Mixer

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-O₂ TRITON® Process Aerator/Mixer maximizes fine bubble oxygen dispersion and mixing for greater oxygen transfer efficiencies. Together with our AIRE-O₂® aerator, more than 55,000 units have been delivered since 1974.

AIRE-O₂ Triton® Dual-Function Aerator/Mixer Benefits:

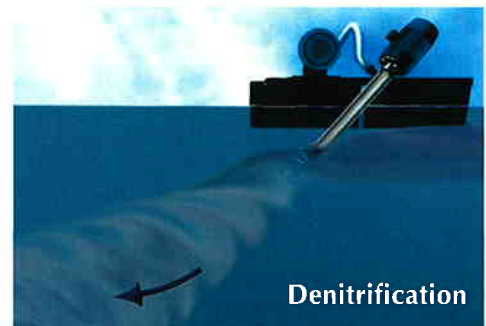
- Proprietary engineered propellers for higher oxygen transfer and superior mixing capabilities, from 6 to 33 ft. (1.8 – 10 m) deep.
- Dual function process capabilities for aeration and mixing (nitrification) and mixing only (denitrification) in the off mode.
- EPA defined fine bubble aeration, 2.2 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-O₂ TRITON® Process Aerator/Mixer

Mounting Options:

Wall Mount
option also available.

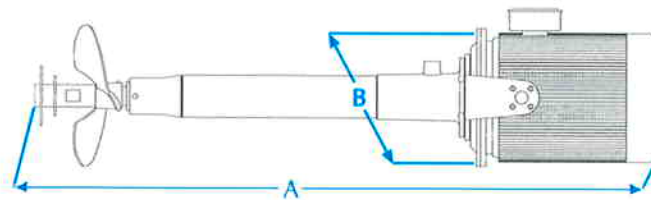
For anchor mounting
details please
contact the factory.



Bridge Mount



Float Mount



60 / 50 Hz Weights & Measures for the AIRE-O₂ TRITON® 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 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.



**Aeration
Industries®**

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

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

TRITspec1004-01