



# 2.3AF Pond Aerator

2HP, 208/240V 3 Phase



### Quick Facts

- ⇒ Available 208/240V 3 Phase
- ⇒ Complete Package includes Assembled Motor Unit, UV Resistant High Density Thermoplastic Float, Three 50' Braided Nylon Mooring Lines, and SOOW Rated 4 Wire Power Cable
- ⇒ Operates in 20" (51cm) of Water
- ⇒ Total Component Listed by ETL to meet UL and CSA Standards for Safety in Water
- ⇒ Sacrificial Zinc Anode Installed for Corrosion Protection and use in Salt Water Applications
- ⇒ Series 300 Austenitic Stainless Steel Construction of Exposed Metal; Salt Water Compatible
- ⇒ 3 Year Warranty
- ⇒ UPS Shippable
- ⇒ Power Cable Potted Quick Disconnect with Stainless Steel Strain Relief
- ⇒ Energy Efficient with Excellent GPM/kW Rates
- ⇒ Industrial Strength Design
- ⇒ Top Intake for Shallow Water Operation
- ⇒ Optional Bottom Screen with 84 Vertical Screening Bars with Less Than 1" Gaps to Keep Debris Out and Allow for Maximum Water Flow Into the Unit
- ⇒ Optional Power Control Panel with 24 Hour Timer and 30ma GFI Protection

2.3AF Pond Aerator  
Produces a Crown of  
Water at the Surface

### Operation

- ⇒ Submersed motor with top intake pushes the water into the air using an open propeller design.
- ⇒ Individual water droplets absorb oxygen from the atmosphere and return to the body of water transferring oxygen from the air and into the water.
- ⇒ Moving water mixes and agitates the water, spreading oxygenated water throughout the body of water.
- ⇒ Single open propeller design allows for greater water flow with a lower likelihood of clogging and smaller water droplets to increase total surface area for oxygen transfer.
- ⇒ Coated stainless steel cage or propeller guard shall catch large debris and assist in reducing the likelihood of clogging while allowing for maximum water flow into the unit.

### Features

#### Motor Unit

- ⇒ 2HP, 208/240V, 3 Phase
- ⇒ 1750 RPM Motor
- ⇒ Oil Cooled, Continuous Duty Rated
- ⇒ Two Long Life Bearings
- ⇒ Thermal Overload Protection
- ⇒ Fully Unitized Heavy Duty Silicon Carbide Mechanical Seal
- ⇒ Series 300 Austenitic Stainless Housing with Engineering Grade Thermoplastic Top
- ⇒ Protective Coated Series 300 Austenitic Stainless Steel Cage/Prop Guard with 18 Vertical Bars and 1.5" Spacing
- ⇒ UV Resistant 3 Blade Engineered Thermoplastic Propeller with Aluminum Insert and All Blades on the Same Plane

#### Float

- ⇒ U.V. Resistant High Density Thermoplastic
- ⇒ 3-Piece Lap Joint Float
- ⇒ Protective Coated Series 300 Stainless Steel Hardware
- ⇒ Three 50' Braided Nylon Mooring Ropes

#### Power Cable

- ⇒ SOOW UL, CSA, & NEC Approved Underwater Rated Cable
- ⇒ 4 Wire
- ⇒ Available in 50', 100', 150', 200', 250', 300', & 400' (500' special order) Options (Cord Gauges depend on length)
- ⇒ Potted Quick Disconnect and Stainless Steel Strain Relief
- ⇒ 6' Flex Sleeve Protection

#### Optional Control Panel

- ⇒ U.L. Listed Industrial Controller
- ⇒ NEMA 4x/3r Non-Metallic Enclosure
- ⇒ 30ma GFI Protection
- ⇒ Surge Protector
- ⇒ Motor Starter with Adjustable Overload
- ⇒ Hand-Off-Auto Switch
- ⇒ 24 Hour Timer
- ⇒ Angled Terminal Block for Wiring

#### Optional Bottom Screen

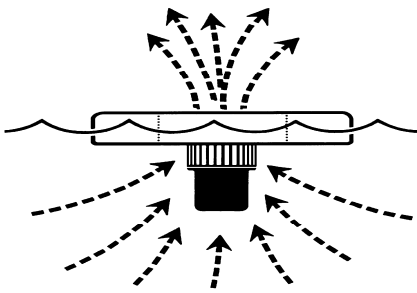
- ⇒ Protective Coated Stainless Steel
- ⇒ 84 Vertical Screening Bars w/ Gaps Tapered from .875" to .188" on Bottom Screen
- ⇒ 7.5" H x 23" Tapering to 8.25" Diameter
- ⇒ Series 300 Stainless Steel Attachment Clips

# Kasco 2.3AF Specifications

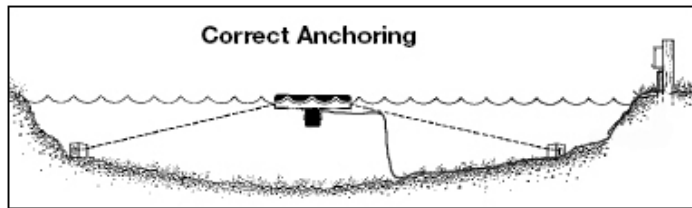
Model #	HP	Cord Length	Cord Gauge*	Voltage/Phase/Hz	Running Amps	Lock Rotor Amps	Sugg. Pond Size (SA)**	Min. Depth of Operation	Shipping Weight	Number of Boxes
2.3AF050	2	50'	14/4	240/3/60	4.5	40	Up to 2	20"	109 Lbs.	3
2.3AF100	2	100'	14/4	240/3/60	4.5	40	Up to 2	20"	137 Lbs.	3
2.3AF150	2	150'	14/4	240/3/60	4.5	40	Up to 2	20"	145 Lbs.	3
2.3AF200	2	200'	14/4	240/3/60	4.5	40	Up to 2	20"	160 Lbs.	3
2.3AF250	2	250'	12/4	240/3/60	4.5	40	Up to 2	20"	187 Lbs.	3
2.3AF300	2	300'	12/4	240/3/60	4.5	40	Up to 2	20"	199 Lbs.	3
2.3AF400	2	400'	10/4	240/3/60	4.5	40	Up to 2	20"	258 Lbs.	3

\* Motors and control panels will operate on either 208V or 240V, 3 phase power with 4 wire service plus ground (L1, L2, L3, N & G)

\*\* Surface acreage (SA) is determined by multiplying length x width of the pond. The actual shape, depth, and oxygen demand should be considered when selecting a unit size.



During unit operation, water is circulated from 360° around the unit as well as from below. Top intake for shallow water operation.



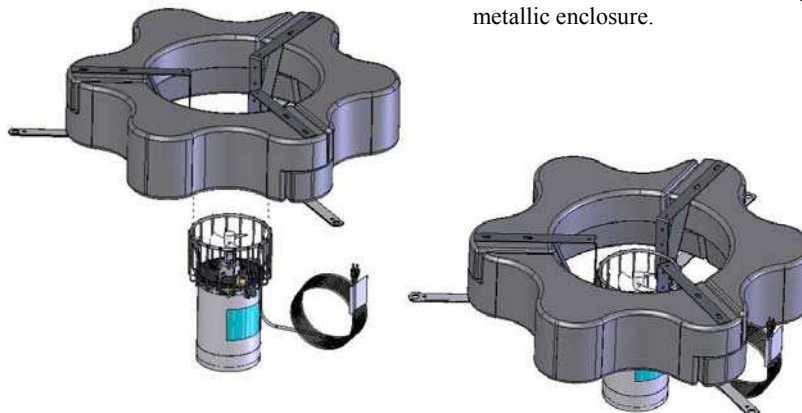
Assembly and Installation of Kasco equipment is quick and easy. Each unit includes an Owners Manual with specific steps to assemble, install, and operate the equipment properly.



Optional coated stainless steel bottom screen helps protect the unit from debris. The bottom screen has 84 vertical bars with gaps less than 1".



Optional UL Approved, 208/240V Power Control Panel complete with 30ma Protected Ground Fault Interrupter, 24 Hour Mechanical Timer, Surge Protector, and Hand-Off-Auto switch. NEMA Type 4x/3r non-metallic enclosure.



The motor unit attaches to the float using stainless steel hardware for a secure assembly. The 3 section, U.V. resistant, high density thermoplastic float allows for excellent durability with an attractive shape and low visibility.

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