



# 3400CF & 3400HCF

## Water Circulator

3/4HP, 120 or 240V, Single Phase



### Operation

- ⇒ Submersed motor in a horizontal position pushes the water to create directional flow using an open propeller design.
- ⇒ Moving water mixes and agitates the water, spreading oxygenated water throughout the body of water, eliminating stagnant areas, and mixing thermally and chemically stratified water.
- ⇒ Single open propeller design allows for greater water flow with a lower likelihood of clogging.
- ⇒ Coated stainless steel cage/propeller guard shall catch large debris and assist in reducing the likelihood of clogging while allowing for maximum water flow through the unit.

### Quick Facts

- ⇒ Creates 34 Lbs. of Thrust
- ⇒ Available in 120 or 240V Single Phase Power
- ⇒ Complete Package includes Assembled Motor Unit, UV Resistant High Density Thermoplastic Horizontal Float, Two 50' Braided Nylon Mooring Lines, and SJTOW Rated 3 Wire Power Cable
- ⇒ Operates in 4' Depth
- ⇒ 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
- ⇒ 2 Year Warranty
- ⇒ UPS Shippable
- ⇒ Power Cable Potted Quick Disconnect on 12 Gauge Cord Options with Stainless Steel Strain Relief
- ⇒ Energy Efficient with Excellent GPM/kW Rates
- ⇒ Industrial Strength Design
- ⇒ Optional Power Control Panel with 24 Hour Mechanical Timer and Class A Human Rated GFI in 120V or 240V
- ⇒ Can be Used in Summer and Winter Applications

3400CF Water Circulator  
Creates Directional Flow  
and Water Movement

### Features

#### Motor Unit

- ⇒ 3/4HP, 120 or 240V, Single Phase
- ⇒ 1750 RPM Motor
- ⇒ Oil Cooled, Continuous Duty Rated
- ⇒ Two Long Life Bearings
- ⇒ Thermal Overload Protection
- ⇒ Fully Unitized Heavy Duty Carbon Ceramic 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 2 Blade Engineered Thermoplastic Propeller

#### Float

- ⇒ U.V. Resistant High Density Thermoplastic
- ⇒ Single Piece, Rectangular Float
- ⇒ Series 300 Stainless Steel Hardware
- ⇒ 5 Angling Position Series 300 Stainless Steel Plate
- ⇒ Two 50' Braided Nylon Mooring Ropes

#### Optional Control Panel

- ⇒ U.L. Listed per N.E.C.
- ⇒ 15 Amp Class A Human Rated GFCI Outlet (120V)
- ⇒ 20 Amp Class A Human Rated GFCB (240V)
- ⇒ Surge Protector (240V)
- ⇒ NEMA Type 3r Weatherproof Enclosure
- ⇒ 24 Hour Mechanical Timer

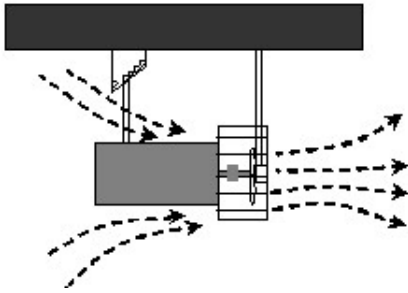
#### Power Cable

- ⇒ SJTOW UL, CSA, & NEC Approved Underwater Rated Cable
- ⇒ 3 Wire
- ⇒ Available in 50', 100', 150', and 200' (250', 300', 400' and 500 in 240V) Options (Cord Gauges depend on length)
- ⇒ Potted Quick Disconnect and Stainless Steel Strain Relief Standard on 12 Gauge or Larger Cords
- ⇒ 6' Flex Sleeve Protection

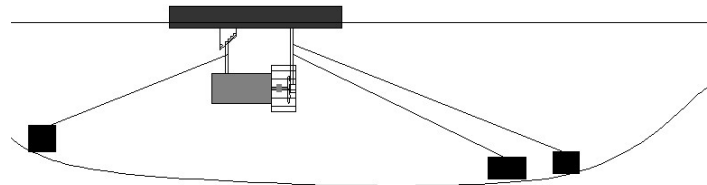
# Kasco 3400CF & 3400HCF Specifications

Model #	HP	Cord Length	Cord Gauge*	Voltage/Phase/Hz	Running Amps	Lock Rotor Amps	Thrust	Min. Depth of Operation	Shipping Weight	Number of Boxes
3400CF050	3/4	50'	16/3	120/1/60	6.7	18	34 Lbs.	4'	57 Lbs.	2
3400CF100	3/4	100'	14/3	120/1/60	6.7	18	34 Lbs.	4'	61 Lbs.	2
3400CF150	3/4	150'	12/3	120/1/60	6.7	18	34 Lbs.	4'	77 Lbs.	3
3400CF200	3/4	200'	12/3	120/1/60	6.7	18	34 Lbs.	4'	83 Lbs.	3
3400HCF050	3/4	50'	14/3	240/1/60	3.4	9	34 Lbs.	4'	57 Lbs.	2
3400HCF100	3/4	100'	14/3	240/1/60	3.4	9	34 Lbs.	4'	61 Lbs.	2
3400HCF150	3/4	150'	12/3	240/1/60	3.4	9	34 Lbs.	4'	77 Lbs.	3
3400HCF200	3/4	200'	12/3	240/1/60	3.4	9	34 Lbs.	4'	83 Lbs.	3
3400HCF250	3/4	250'	12/3	240/1/60	3.4	9	34 Lbs.	4'	89 Lbs.	3
3400HCF300	3/4	300'	12/3	240/1/60	3.4	9	34 Lbs.	4'	99 Lbs.	3
3400HCF400	3/4	400'	12/3	240/1/60	3.4	9	34 Lbs.	4'	113 Lbs.	3

\* 12 AWG cords include potted quick disconnect and stainless steel strain relief.



During unit operation, water is circulated from 360° around the unit. The Circulator draws in water and circulates it throughout the pond.



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. Note: A third mooring line can be used for securing the unit.



The motor unit attaches to the float using stainless steel hardware for an easy and secure assembly. The single piece, rectangular, U.V. resistant, high density thermoplastic float allows for excellent durability with low visibility. The 5 position angling plate allows for multiple angle settings with a simple adjustment.



Optional UL Approved Control Panel complete with Class A Human Rated GFCI Protection, 24 Hour Mechanical Timer, NEMA Type 3r/4x weatherproof enclosure.

Kasco Marine, Inc.  
800 Deere Rd.  
Prescott, WI 54021

Ph: (715) 262-4488 \* Fax: (715) 262-4487  
[www.KascoMarine.com](http://www.KascoMarine.com) \* [www.GotAlgae.com](http://www.GotAlgae.com)  
[Sales@KascoMarine.com](mailto:Sales@KascoMarine.com)



Rev. 1/17/13