



# 3400VFX & 3400HVFX

## Aerating Fountain

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



### Operation

- ⇒ Submersed motor with top intake draws water into the fountain housing and pushes the water past the deflector disc and into the air.
- ⇒ 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 propeller and deflector disc design allows for greater water flow with a lower likelihood of clogging.
- ⇒ Thermoplastic bottom screen helps protect the motor from clogging.

### Quick Facts

- ⇒ Available in 120 or 240V Options
- ⇒ Complete Package includes Assembled Motor Unit, Power Control Panel, UV Resistant High Density Thermoplastic Float, Two 50' Braided Nylon Mooring Lines, and SJTOW Rated 3 Wire Power Cable
- ⇒ Operates in 17.5" (44.5cm) 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
- ⇒ 2 Year Warranty
- ⇒ UPS Shippable
- ⇒ Power Cable Potted Quick Disconnect on 12 Gauge Cord Options with Stainless Steel Strain Relief
- ⇒ Optional Bronze Halogen Lighting or LED Lighting Available
- ⇒ Energy Efficient with Excellent GPM/kW Rates
- ⇒ Industrial Strength Design
- ⇒ Top Intake for Shallow Water Operation
- ⇒ Bottom Screen Included

Single "V" Shape  
Pattern 6' H x 21' W

### 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

#### Float

- ⇒ U.V. Resistant High Density Thermoplastic
- ⇒ Single Piece Float
- ⇒ Closed Cell Foam Filling
- ⇒ Series 300 Stainless Steel Hardware
- ⇒ Engineering Grade Thermoplastic Bottom Screen with Stainless Steel Hardware
- ⇒ Two 50' Braided Nylon Mooring Ropes

#### Power Cable

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

#### Control Panel

- ⇒ U.L. Listed per N.E.C.
- ⇒ 15 Amp Class A Human Rated GFCI Outlets (120V)
- ⇒ 20 Amp Class A Human Rated GFCB (240V)
- ⇒ Surge Protector (240V)
- ⇒ GFI Outlet (120V) or Terminal Block (240V)
- ⇒ Photo Cell for Light Kit (120V) or Timer (240V)
- ⇒ NEMA Type 3r/4x Enclosure
- ⇒ 24 Hour Mechanical Timer

#### Optional Lights

- ⇒ 2 or 3 ETL Approved Bronze, Halogen 75W, MR-16 Fixtures with thermal overload protection
- ⇒ 3 Light LED, Sealed Fixtures with Quick Connect Splitter and No Bulb Changing

#### Fountain Components

- ⇒ UV Resistant 2 Blade Engineered Thermoplastic Propeller
- ⇒ UV Resistant Thermoplastic Draft Tube and Fountain Disc with Series 300 Stainless Steel Hardware

## Kasco 3400VFX & 3400HVFX 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
3400VFX050	3/4	50'	16	120/1/60	7.3	18	Up to .4	17.5"	61 Lbs.	2
3400VFX100	3/4	100'	14	120/1/60	7.3	18	Up to .4	17.5"	64 Lbs.	2
3400VFX150	3/4	150'	12	120/1/60	7.3	18	Up to .4	17.5"	79 Lbs.	3
3400VFX200	3/4	200'	12	120/1/60	7.3	18	Up to .4	17.5"	85 Lbs.	3
3400HVFX050	3/4	50'	14	240/1/60	3.7	9	Up to .4	17.5"	79 Lbs.	3
3400HVFX100	3/4	100'	14	240/1/60	3.7	9	Up to .4	17.5"	82 Lbs.	3
3400HVFX150	3/4	150'	12	240/1/60	3.7	9	Up to .4	17.5"	97 Lbs.	4
3400HVFX200	3/4	200'	12	240/1/60	3.7	9	Up to .4	17.5"	103 Lbs.	4
3400HVFX250	3/4	250'	12	240/1/60	3.7	9	Up to .4	17.5"	109 Lbs.	4
3400HVFX300	3/4	300'	12	240/1/60	3.7	9	Up to .4	17.5"	116 Lbs.	4
3400HVFX400	3/4	400'	12	240/1/60	3.7	9	Up to .4	17.5"	130 Lbs.	4

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

\*\* 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.

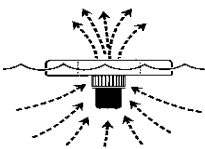
## Kasco Optional Light Package Specifications

Model #	Cord Length	Number of Fixtures	Voltage/Phase/Hz	Wattage Per Fixture	Total Wattage	Lens Position	Shipping Weight	Number of Boxes
LR275050	50'	2	120/1/60	75	150	Above Water	17 Lbs.	1
LR275100	100'	2	120/1/60	75	150	Above Water	20 Lbs.	1
LR275150	150'	2	120/1/60	75	150	Above Water	24 Lbs.	1
LR275200	200'	2	120/1/60	75	150	Above Water	28 Lbs.	1
LR275250	250'	2	120/1/60	75	150	Above Water	32 Lbs.	1
LR375050	50'	3	120/1/60	75	225	Above Water	20 Lbs.	1
LR375100	100'	3	120/1/60	75	225	Above Water	24 Lbs.	1
LR375150	150'	3	120/1/60	75	225	Above Water	28 Lbs.	1
LR375200	200'	3	120/1/60	75	225	Above Water	31 Lbs.	1
LR375250	250'	3	120/1/60	75	225	Above Water	35 Lbs.	1
LR375300	300'	3	120/1/60	75	225	Above Water	38 Lbs.	1
LR375400	400'	3	120/1/60	75	225	Above Water	56 Lbs.	1
LED3125050	50'	3	120/1/60	9	27	Above Water	9 Lbs.	1
LED3125100	100'	3	120/1/60	9	27	Above Water	13 Lbs.	1
LED3125150	150'	3	120/1/60	9	27	Above Water	16 Lbs.	1
LED3125200	200'	3	120/1/60	9	27	Above Water	20 Lbs.	1
LED3125250	250'	3	120/1/60	9	27	Above Water	23 Lbs.	1
LED3125300	300'	3	120/1/60	9	27	Above Water	29 Lbs.	1
LED3125400	400'	3	120/1/60	9	27	Above Water	34 Lbs.	1

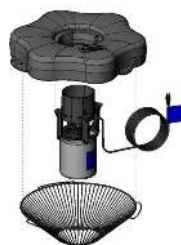
LR Light Kits include a built in, remote Low Voltage Transformer.

LED Light Kits include drivers in each fixture.

The Optional Bronze Lighting mounts to the float. ETL approved for Floating Fountains; UL-676. LED Lights also available.



During unit operation, water is circulated from 360° Top intake for shallow water operation.



The motor unit attaches using stainless steel hardware. Single section, U.V. resistant, high density thermoplastic float. Bottom screen to protect the unit from debris.

Each unit includes a UL Approved Control Panel complete with Class A Human Rated GFCI Protection, 24 Hour Mechanical Timer, and Photo Eye (120V) or Timer (240V) for Optional Light Kit. NEMA Type 3r nonmetallic 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)

