



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.
- ⇒ Coated stainless steel bottom screen with 84 vertical bars with less than 1" gaps shall catch large debris and assist in reducing the likelihood of clogging while allowing for maximum water flow into the unit.

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 Low Voltage Lighting Package with 2 or 3 Machined Bronze Fixtures, Thermal Overload Protection, and 3 Internal Seals
- ⇒ Energy Efficient with Excellent GPM/kW Rates
- ⇒ Industrial Strength Design
- ⇒ Top Intake for Shallow Water Operation
- ⇒ 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

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
- ⇒ Protective Coated Stainless Steel Bottom Screen; 84 Vertical Screening Bars w/ Gaps Tapered from .875" to .188" on Bottom Screen
- ⇒ 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 Breaker (120V)
- ⇒ 20 Amp Class A Human Rated GFCEB (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 Machined Bronze Fixtures
- ⇒ 12V, 75W MR-16 Bulbs
- ⇒ Thermal Overload Protection
- ⇒ Triple Sealed
- ⇒ ETL Approved for Floating Fountains; UL-676

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.

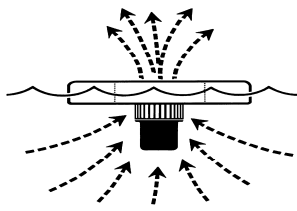
Kasco Optional Light Package Specifications

| Model # | Cord Length | Number of Fixtures | Voltage/Phase/Hz | Wattage Per Fixture | Total Wattage | Lens Position | Shipping Weight | Number of Boxes |
|----------|-------------|--------------------|------------------|---------------------|---------------|---------------|-----------------|-----------------|
| LR275050 | 50' | 2 | 12/1/60 | 75 | 150 | Above Water | 17 Lbs. | 1 |
| LR275100 | 100' | 2 | 12/1/60 | 75 | 150 | Above Water | 20 Lbs. | 1 |
| LR275150 | 150' | 2 | 12/1/60 | 75 | 150 | Above Water | 24 Lbs. | 1 |
| LR275200 | 200' | 2 | 12/1/60 | 75 | 150 | Above Water | 28 Lbs. | 1 |
| LR275250 | 250' | 2 | 12/1/60 | 75 | 150 | Above Water | 32 Lbs. | 1 |
| LR375050 | 50' | 3 | 12/1/60 | 75 | 225 | Above Water | 20 Lbs. | 1 |
| LR375100 | 100' | 3 | 12/1/60 | 75 | 225 | Above Water | 24 Lbs. | 1 |
| LR375150 | 150' | 3 | 12/1/60 | 75 | 225 | Above Water | 28 Lbs. | 1 |
| LR375200 | 200' | 3 | 12/1/60 | 75 | 225 | Above Water | 31 Lbs. | 1 |
| LR375250 | 250' | 3 | 12/1/60 | 75 | 225 | Above Water | 35 Lbs. | 1 |
| LR375300 | 300' | 3 | 12/1/60 | 75 | 225 | Above Water | 38 Lbs. | 1 |
| LR375400 | 400' | 3 | 12/1/60 | 75 | 225 | Above Water | 56 Lbs. | 1 |

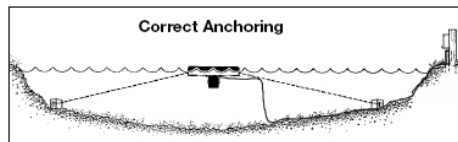
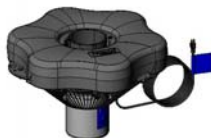
Light Kits include a built in, remote Low Voltage Transformer.



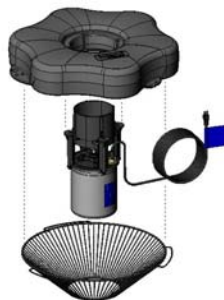
The Optional Lighting Package easily mounts to the float and can be purchased and added at any time. ETL approved for Floating Fountains; UL-676.



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.



The motor unit attaches to the float using stainless steel hardware for a secure assembly. The single section, U.V. resistant, high density thermoplastic float allows for excellent durability with an attractive shape and low visibility. The rigid bottom screen help protect the unit from debris and reduce the likelihood of clogging.



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/4x non-metallic enclosure.

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