Kasco Marine, Inc.

5.1VFX
Aerating Fountain
5HP, 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 additional 3/4" mesh screening to catch large debris and assist in reducing the likelihood of clogging while allowing for maximum water flow into the unit.

Quick Facts

⇒ Complete Package includes Assembled Motor Unit, Power Control Panel, UV Resistant High Density Thermoplastic Float, Three 50' Braided Nylon Mooring Lines, and SJTOW Rated 3 Wire Power Cable

⇒ Operates in 26" (66cm) of Water

⇒ Total Package 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 on 12, 10, and 8 Gauge Cord Options with Stainless Steel Strain Relief

⇒ Optional Bronze Halogen Lighting or LED Lighting Available

⇒ Two Light Sets per Fountain can be used with Additional Brackets

⇒ 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 with additional mesh bottom screening

Single "V" Shape Pattern 10' H x 36' W

Features

Motor Unit
⇒ 5HP, 240V, Single 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

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

Fountain Components
⇒ 3 Blade Engineered Thermoplastic Propeller with Series 300 Stainless Steel Insert and All Blades on the Same Plane
⇒ UV Resistant Thermoplastic Draft Tube and Fountain Disc with Series 300 Stainless Steel Hardware

Float
⇒ UV Resistant High Density Thermoplastic
⇒ 3-Piece Tongue and Groove
⇒ Protective Coated Series 300 Stainless Steel Hardware
⇒ Protective Coated, 300 Series Stainless Steel Top and Bottom Screens with additional 3/4" mesh bottom screening
⇒ Three 50' Braided Nylon Mooring Ropes

Control Panel
⇒ U.L. Listed Industrial Controller
⇒ 30 Amp Double Pole Square D® Class A Human Rated GFCB
⇒ Surge Protector
⇒ 120V GFI Protected Outlet for Lights
⇒ Photo Cell for Light Kit
⇒ NEMA Type 3R Weatherproof Steel Enclosure
⇒ 24 Hour Mechanical Timer

Optional Lights
⇒ 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
⇒ 2 x 3 Light Kits recommended

Kasco 5.1VFX 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
5.1VFX100	5	100'	12/3	240/1/60	20	97	Up to 2.5	26"	179 Lbs.	4
5.1VFX150	5	150'	10/3	240/1/60	20	97	Up to 2.5	26"	200 Lbs.	4
5.1VFX200	5	200'	10/3	240/1/60	20	97	Up to 2.5	26"	215 Lbs.	4
5.1VFX250	5	250'	8/3	240/1/60	20	97	Up to 2.5	26"	290 Lbs.	4
5.1VFX300	5	300'	6/3	240/1/60	20	97	Up to 2.5	26"	365 Lbs.	4
5.1VFX400	5	400'	6/3	240/1/60	20	97	Up to 2.5	26"	446 Lbs.	4

* 12 AWG and larger 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

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

LED Light Kits include drivers in each fixture.

Model #	Cord Length	Number of Fixtures	Voltage/ Phase/Hz	Wattage Per Fixture	Total Wattage	Lens Position	Shipping Weight	Number of Boxes
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

Correct Anchoring

The Optional Bronze Lighting mounts to the float. ETL approved for Floating Fountains; UL-676.
LED Lights also available.
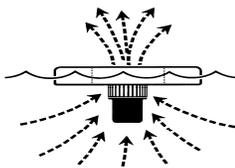
During unit operation, water is circulated from 360. Top intake for shallow water operation.
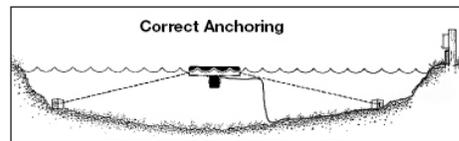
Assembly and Installation of Kasco equipment is quick and easy. Each unit includes an Owners Manual with specific steps to assemble, install, and operate the equipment properly.

The motor unit attaches using stainless steel hardware. 3 section, U.V. resistant, high density thermoplastic float. Bottom screen to protect the unit from debris.

Each unit includes a UL Approved, 240V Power Control Panel complete with Class A Human Rated GFCB, 24 Hour Mechanical Timer, Surge Protector, and 24 Hour Timer for the optional lights. NEMA Type 3r/4x Thermoplastic enclosure.

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

Ph: (715) 262-4488 * Fax: (715) 262-4487
www.KascoMarine.com * www.GotAlgae.com
Sales@KascoMarine.com

Rev. 10/20/14