



3.1EJF & 3.3EHJF

Aerating Fountain

3.1EJF: 3HP, 50Hz, 220V, Single Phase

3.3EHJF: 3HP, 50Hz, 380V, 3 Phase



Includes all 7 Patterns

Patterns (Upper L to R)

Redwood—6.1m H x 0.9m W

Spruce—5.8m H x 2.1m W

Sequoia—4.6m H x 3.0 W

Birch—3.0m H x 4.0m W

(Operating w/out nozzle)

Patterns (Lower L to R)

Linden—4.1m H x 9.8m W

Willow—3.6m H x 8.2m W

Juniper—2.7m H x 12.2m W

Quick Facts

- ⇒ 3.1EJF Operates on 208 - 240V, Single Phase Power
- ⇒ 3.3EHJF Operates on 380V, 3 Phase Power
- ⇒ Complete Package includes Assembled Motor Unit, UV Resistant High Density Thermoplastic Float, Three 15m Braided Nylon Mooring Lines, 1m Rubber Stub Cord with Quick Disconnect, and 6 UV Resistant Glass Filled Thermoplastic Deflector Nozzles to Create 7 Unique Patterns
- ⇒ Operates in 61cm of Water
- ⇒ CE Marked
- ⇒ Sacrificial 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
- ⇒ Optional Lighting Package with 3 Machined Bronze Fixtures, Thermal Overload Protection, and 3 Internal Seals
- ⇒ Energy Efficient with Excellent m³/kW Rates
- ⇒ Industrial Strength Design
- ⇒ Top Intake for Shallow Water Operation
- ⇒ Bottom Screen with 84 Vertical Screening Bars with Less Than 2.54cm Gaps to Keep Debris Out and Allow for Maximum Water Flow Into the Unit

Features

Motor Unit

- ⇒ 3HP, 208-220V, Single Phase
- ⇒ 3HP, 380V, 3 Phase
- ⇒ 1450 RPM Motor
- ⇒ Oil Cooled, Continuous Duty Rated Motor
- ⇒ Two Long Life Bearings
- ⇒ Thermal Overload Protection
- ⇒ Fully Unitized Heavy Duty Silicon Carbide Mechanical Seal
- ⇒ Series 300 Austenitic Stainless Steel Motor Can with Engineering Grade Thermoplastic Top

Fountain Components

- ⇒ Single UV Resistant Thermoplastic Impeller
- ⇒ UV Resistant Thermoplastic Cone and Fountain Housing with 300 Series Stainless Steel Hardware
- ⇒ All 6 Deflector Nozzles Included with 300 Series Stainless Steel Hardware
- ⇒ Glass Filled UV Resistant Thermoplastic Deflectors
- ⇒ Less than 5 Minute Nozzle Change/Replacement
- ⇒ Optional Premium Nozzles Available

Float

- ⇒ UV Resistant High Density Thermoplastic
- ⇒ 3-Piece Lap Joint Float
- ⇒ Protective Coated Series 300 Stainless Steel Hardware
- ⇒ Protective Coated, 300 Series Stainless Steel Top and Bottom Screens; 84 Vertical Screening Bars w/ Gaps Tapered from 222mm to 48mm on Bottom Screen
- ⇒ Three 15m Braided Nylon Mooring Ropes

Power Cable

- ⇒ 1m Stub Cord
- ⇒ Rubber Jacket, 3 Conductor Power Cord with Earth Conductor
- ⇒ Potted Quick Disconnect and Stainless Steel Strain Relief Standard on all Stub Cords
- ⇒ Flex Sleeve Cord Protection

Optional Lights

- ⇒ 3 Machine Bronze Fixtures
- ⇒ 12V, 75W MR-16 Bulbs
- ⇒ Remote Transformer
- ⇒ Thermal Overload Protection
- ⇒ Triple Sealed
- ⇒ Optional brackets for adding 2 light sets

Kasco 3.1EJF & 3.3EHJF Specifications

Model #	HP	Cord Length	Watts	Voltage/Phase/Hz	Running Amps	Lock Rotor Amps	Sugg. Pond Size*	Min. Depth of Operation	Shipping Weight	Number of Boxes
3.1EJF000	3	Stub	2,904	220/1/50	13.2	59.7	6,000m ²	61cm	57 kg	2
3.3EHJF000	3	Stub	3,125	380/3/50	5	20	6,000m ²	61cm	63.5kg	2

* Pond Size 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 Lighting Package Specifications

Model #	Cord Length	Number of Fixtures	Lamp Volt/Phase/Hz (SELV)	Wattage Per Fixture	Total Wattage	Lens Position	Shipping Weight	Number of Boxes
LE375000	Stub	3	12/1/50	75	225	Above Water	9 kg	1

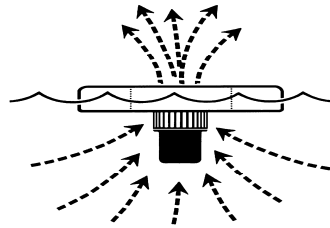
Light Kits include a built in, remote Low Voltage Isolating Transformer. Light kits are connected to 220V mains that should have RCD protection.

Operation

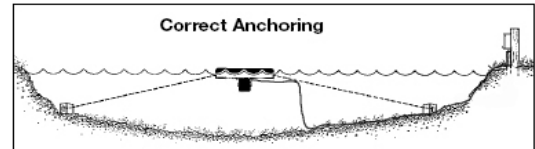
- ⇒ Submersed motor with top intake draws water into the fountain housing and pushes the water past the deflector nozzle and into the air.
- ⇒ Individual water droplets absorb oxygen from the atmosphere and return to the body of water transferring oxygen from the air and into the water.
- ⇒ Moving water mixes and agitates the water, spreading oxygenated water throughout the body of water.
- ⇒ Single impeller and deflector nozzle design allows for greater water flow with a lower likelihood of clogging.
- ⇒ Coated stainless steel bottom screen with 84 vertical bars with less than 2.54cm gaps shall catch large debris and assist in reducing the likelihood of clogging while allowing for maximum water flow into the unit.

Use Warnings

- Max Water Temp of 35°C
- For Use in Non-Explosive Areas Only
- Use to Pump Water Only
 - Non-Flammable
 - Non-Toxic
 - Non-Corrosive (salt water is acceptable)
- Do Not Run the Unit Dry
- Discontinue use and remove when water is below 0°C.
- RCD (residual current device) or GFCI (ground fault circuit interrupter) protected circuit required



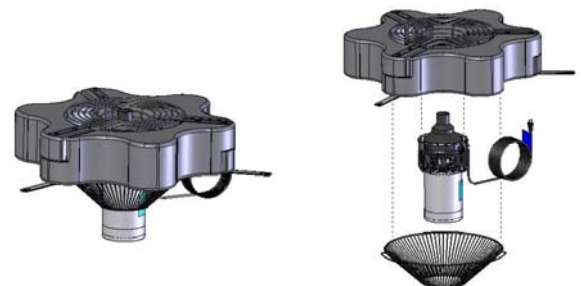
During unit operation, water is circulated from 360° around the unit as well as from below. Top intake for shallow water operation.



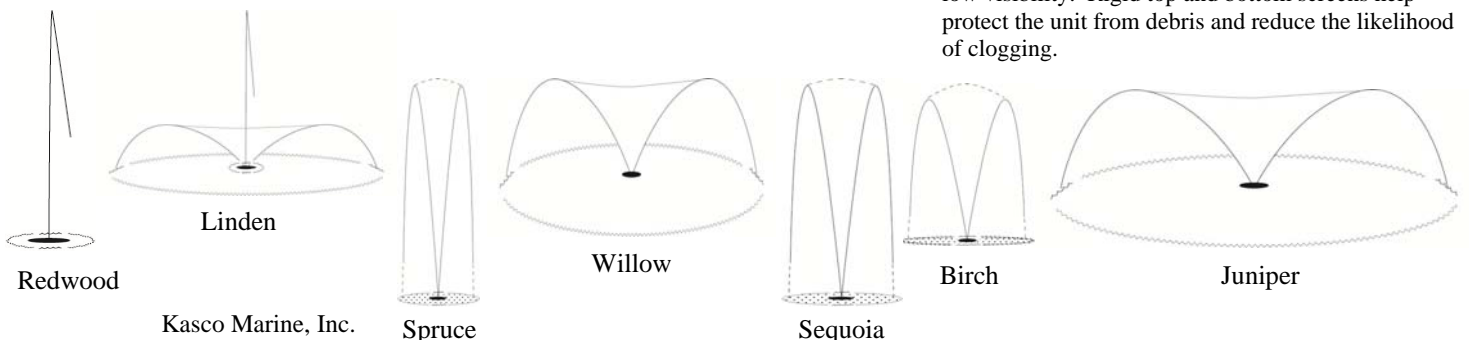
Assembly and Installation of Kasco equipment is quick and easy. Each unit includes an Owners Manual with specific steps to assemble, install, and operate the equipment properly.



The Optional Lighting Package easily mounts to the float and can be purchased and added at any time.



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. Rigid top and bottom screens help protect the unit from debris and reduce the likelihood of clogging.



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