



3.1JF

Aerating Fountain

3HP, 240V, Single Phase



Includes all 6 Patterns

Patterns (Upper L to R)

- Redwood**—24'H x 8'W
- Linden**—19'H x 4.5'W Inner, 8'H x 35'W Outer
- Spruce**—21'H x 13'W
- Birch**—14.5'H x 10'W
(Operating w/out nozzle)

Patterns (Lower L to R)

- Willow**—13'H x 35'W
- Juniper**—9'H x 48'W

Quick Facts

- ⇒ Complete Package includes Assembled Motor Unit, Power Control Panel, UV Resistant High Density Thermoplastic Float, Three 50' Braided Nylon Mooring Lines, SJTOW Rated 3 Wire Power Cable, and 5 UV Resistant Glass Filled Thermoplastic Deflector Nozzles to Create 6 Unique Patterns
- ⇒ Operates in 24" (61cm) 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 Gauge & Larger Cord Options with Stainless Steel Strain Relief
- ⇒ Optional Bronze Halogen Lighting or LED Lighting Available
- ⇒ 2 Light Sets per Fountain with Optional 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

Features

Motor Unit

- ⇒ 3HP, 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 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 5 Deflector Nozzles Included with 300 Series Stainless Steel Hardware
- ⇒ Glass Filled UV Resistant Thermoplastic Deflectors
- ⇒ Quick Nozzle Change/Replacement

Control Panel

- ⇒ U.L. Listed per N.E.C.
- ⇒ 20 Amp Class A Human Rated GFCB
- ⇒ Surge Protector
- ⇒ 24 Hour Mechanical Timer for Lights
- ⇒ NEMA Type 3r/4x Thermoplastic Enclosure
- ⇒ 24 Hour Mechanical Timer for Unit
- ⇒ Terminal Block for Wiring

Float

- ⇒ UV Resistant High Density Thermoplastic
- ⇒ 3-Piece Lap Joint Float
- ⇒ Protective Coated 300 Series 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

Power Cable

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

Optional Lights

- ⇒ 3 or 6 ETL Approved Bronze, Halogen 75W, MR-16 Fixtures with thermal overload protection
- ⇒ 3 or 6 Light LED, Sealed Fixtures with Quick Connect Splitter and No Bulb Changing
- ⇒ 2 x 3 Light Kits recommended

Kasco 3.1JF 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
3.1JF050	3	50'	14/3	240/1/60	13.4	61	Up to 1.5	24"	150 Lbs.	3
3.1JF100	3	100'	12/3	240/1/60	13.4	61	Up to 1.5	24"	161 Lbs.	4
3.1JF150	3	150'	12/3	240/1/60	13.4	61	Up to 1.5	24"	168 Lbs.	4
3.1JF200	3	200'	10/3	240/1/60	13.4	61	Up to 1.5	24"	197 Lbs.	4
3.1JF250	3	250'	10/3	240/1/60	13.4	61	Up to 1.5	24"	210 Lbs.	4
3.1JF300	3	300'	10/3	240/1/60	13.4	61	Up to 1.5	24"	224 Lbs.	4
3.1JF400	3	400'	8/3	240/1/60	13.4	61	Up to 1.5	24"	339 Lbs.	4

* 12 AWG and Larger Cords included 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 Lighting Package Specifications

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

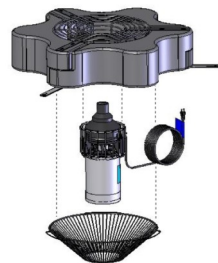
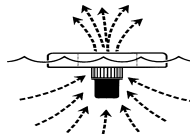
LR Light Kits include a built in, remote Low Voltage Transformer.

LED Light Kits include drivers in each fixture.

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.
- ⇒ Single impeller and deflector nozzle design allows for greater water flow with a lower likelihood of clogging.
- ⇒ Stainless Steel bottom screen

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



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.



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

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