



# 8400JF

## Aerating Fountain

2HP, 240V, Single Phase



Includes all 6  
Patterns

Patterns (Upper L to R)

- Redwood**—22'H x 7'W
- Linden**—18'H x 4'W Inner, 9'H x 30'W Outer
- Spruce**—19'H x 10'W
- Birch**—12'H x 11'W  
(Operating w/out nozzle)

Patterns (Lower L to R)

- Willow**—12.5'H x 28'W
- Juniper**—8'H x 46'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 20" (51cm) 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
- ⇒ 3 Year Warranty
- ⇒ UPS Shippable
- ⇒ Power Cable Potted Quick Disconnect on 12 Gauge and 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**

- ⇒ 2HP, 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
- ⇒ Less than 5 Minute 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 8400JF 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
8400JF050	2	50'	14/3	240/1/60	11	40	Up to 1	20"	134 Lbs.	3
8400JF100	2	100'	12/3	240/1/60	11	40	Up to 1	20"	144 Lbs.	4
8400JF150	2	150'	12/3	240/1/60	11	40	Up to 1	20"	151 Lbs.	4
8400JF200	2	200'	12/3	240/1/60	11	40	Up to 1	20"	157 Lbs.	4
8400JF250	2	250'	12/3	240/1/60	11	40	Up to 1	20"	163 Lbs.	4
8400JF300	2	300'	10/3	240/1/60	11	40	Up to 1	20"	206 Lbs.	4
8400JF400	2	400'	8/3	240/1/60	11	40	Up to 1	20"	321 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

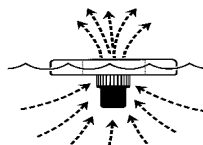
LR Light Kits include a built in, remote Low Voltage Transformer.

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 8400JF 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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