

## 60Hz and 50Hz DE-ICER PART MODEL NUMBERS

60Hz De-Icer Model Numbers (For US & Canada)

60Hz MODELS	SIZE (HP)	CORD LENGTH (ft.)	VOLTAGE OPTIONS	PHASE OPTIONS	AMPS	THRUST (LBS)
2400D	1/2	25, 50, 100, 150, 200	120V	1	5	29
3400D	3/4	25, 50, 100, 150, 200	120V	1	6.7	34
3400HD	3/4	50, 100, 150, 200	208-240V	1	3.4	34
4400D	1	50, 100, 150, 200	120V	1	11.3	41
4400HD	1	50, 100, 150, 200	208-240V	1	5.7	41

50Hz De-Icer Model Numbers

50Hz MODELS	SIZE (HP)	CORD LENGTH (m)	VOLTAGE OPTIONS	PHASE OPTIONS	AMPS	THRUST (kg)
2400ED	1/2	1m stub cord, 10m cord	220-240V	1	2.2	11.8
3400ED	3/4	1m stub cord, 10m cord	220-240V	1	3.4	15.4
4400ED	1	1m stub cord, 10m cord	220-240V	1	3.7	23

Note: Kasco's De-Icers mix a 1 acre pond with an average depth of 5 ft. within 15 minutes.

Note: 240V de-icers needing 200 ft.

## WARM WEATHER APPLICATIONS

Kasco's De-Icers provide year-round benefits to water-front property and marinas.

Easily repurposed for water circulation in warmer seasons, a de-icer creates significant current to create a clean and healthy water environment for aquatic life. Our smallest unit will circulate an entire acre of water with an average depth of 5 ft. (4,000m<sup>2</sup>) in just 15 minutes. Year-round use of a Kasco De-Icer can save time, money and effort in maintaining quality and property value.

- Eliminate stagnant water and foul odors
- Prevent the accumulation of floating debris
- Reduce organic muck and silt build up
- Helps control mosquito growth
- Attract fish to currents edge
- Horizontal float or dock mount options



## KASCO DE-ICERS SAVE THE DAY

In 1988, Kasco's De-Icer was the key component to saving ice-bound whales in Barrow, AL. The event inspired the major motion picture, "Big Miracle."



# Kasco De-Icers

The Best Protection From Costly Ice-Damage



No one has more experience in de-icing than Kasco. Originally developed to allow in-water boat storage in areas subject to freezing, the de-icer is now used in a multitude of applications. De-Icers push warm bottom water to the surface to prevent or eliminate ice formation, creating an ice-free area of protection around your boat, dock, pier, or other in-water property. De-Icers can also help protect fish and aquatic species by allowing for open areas where oxygen can enter the water. Clean, healthy water is more attractive, safer for property, and is a necessity to aquatic life. Save time, money, and effort by using Kasco's De-Icers year-round for improved health and beauty of your water.

- Available in 1/2, 3/4, and 1HP
- Offered as 120V (60Hz), 240V (60Hz), or 220V (50Hz)
- 60Hz units are ETL approved to CSA and UL standards
- 50Hz units are approved to CE standards
- Includes (2) 20 ft. (6m) suspension ropes
- All exposed metal is salt water compatible
- Save power and optimize performance with control panels
- Power cords are included and offered in multiple lengths
- Nation-wide product support and service centers
- Ready to use out of the box
- 2 year limited warranty



## WHY YOU NEED A KASCO DE-ICER

By using a Kasco De-Icer, you are ensuring your property and aquatic life are protected from the harsh winter conditions.

- Store boat and dock in the water all winter
- Eliminates damaging ice expansion and ice jacking
- Adds life supporting O<sub>2</sub> to prevent fish kills
- Provides excellent aeration for winter months
- Keeps water open for winter waterfowl
- Prevents supercooling of water by not allowing splashing
- Helps ensure a healthier aquatic environment in spring



## INSTALLATION OPTIONS

### Suspended Operation

Kasco De-Icers come standard with (2) 20 ft. mooring ropes for easy suspended operation. Simply tie each rope to either side of the de-icer unit and secure the ropes to your dock, piling, or other water-front property.



### Universal Dock Mount

Easily mount and position your de-icer unit on a dock, piling, or other water-front property with our universal dock mount kit. Using a 1 in. diameter stainless steel pipe\* and engineering-grade composite mounting hardware, this sturdy mounting system lets you seamlessly rotate the unit under water and change its angle and depth.



### Industrial Dock Mount

Our industrial dock mount kit offers the same benefits as our universal mounting kit, but is recommended for use in harsher, industrial applications. Made up of a 1.5 in. diameter corrosion resistant stainless steel or galvanized pipe\* and stainless steel mounting hardware, this system is built to withstand even the toughest environments.



\* Customer provides stainless steel or galvanized pipe up to 10 ft. (3m) long.

## SAVE MONEY WITH AN OPTIONAL CONTROL PANEL

### C10 Control Panel

The C-10 thermostat controller is an inexpensive way to control the operation of your de-icer. This control panel uses an air temperature thermostat to turn the de-icer on when the temperature drops below a set point that you decide, saving money on your power bills.



Note: Kasco's control panels are available only in 120V, 60Hz.

### C20 Control Panel

The C-20 time and temperature controller was designed with maximum energy conservation in mind by allowing you to determine at what temperature and time of day the de-icer turns on. This control unit delivers the power and reliability you need to get the job done, while saving you time and money.



## KASCO DE-ICER SIZING CHARTS

The tables below will help you decide which de-icer unit size will work best for you. Choose which temperature best describes your application and which mounting orientation you will use.

AIR TEMPERATURE: 34 TO 20° F (-1 TO 6.5° C)			
ANGLED ORIENTATION		VERTICAL ORIENTATION	
HP	AREA OF WATER OPEN	HP	AREA OF WATER OPEN
1/2	30 ft. x 100 ft. (9m x 30.5m)	1/2	65 ft. (20m)
3/4	35 ft. x 125 ft. (11m x 38m)	3/4	85 ft. (26m)
1	40 ft. x 150 ft. (12m x 46m)	1	90 ft. (27.5m)

AIR TEMPERATURE: 19 TO 0° F (-7 TO -18° C)			
ANGLED ORIENTATION		VERTICAL ORIENTATION	
HP	AREA OF WATER OPEN	HP	AREA OF WATER OPEN
1/2	25 ft. x 60 ft. (7m x 18m)	1/2	50 ft. (15 m)
3/4	30 ft. x 80 ft. (9M x 24m)	3/4	70 ft. (21 m)
1	35 ft. 90 ft. (11m x 27.5m)	1	80 ft. (24 m)

AIR TEMPERATURE: -1 TO -20° F (-19 TO -29° C)			
ANGLED ORIENTATION		VERTICAL ORIENTATION	
HP	AREA OF WATER OPEN	HP	AREA OF WATER OPEN
1/2	25 ft. x 55 ft. (7m x 17m)	1/2	35 ft. (11m)
3/4	30 ft. x 75 ft. (9m x 23m)	3/4	50 ft. (15m)
1	35 ft. x 85 ft. (11m x 26m)	1	65 ft. (20m)

AIR TEMPERATURE IN GREAT LAKES AREAS			
ANGLED ORIENTATION		VERTICAL ORIENTATION	
HP	AREA OF WATER OPEN	HP	AREA OF WATER OPEN
1/2	20 ft. x 40 ft. (6m x 12m)	1/2	30 ft. (9m)
3/4	25 ft. x 50 ft. (7m x 15m)	3/4	45 ft. (11m)
1	30 ft. x 60 ft. (9m x 18m)	1	55 ft. (17m)



## EXCEPTIONAL ENGINEERING INSIDE & OUT

### Stainless Steel Safety Cage

Vinyl coated for easy handling, the cage will protect you from the propeller and will keep the unit free of debris.

### Zinc Anode

Included with each unit, this zinc anode will protect your de-icer from corrosion damage.

### Capacitor

Permanent split capacitor ensures quick, high torque starts and smooth operation.

### Performance Propellers

The propellers on Kasco's De-Icers are specially pitched for maximum thrust and minimum power usage.

### Bearings

Designed to extend the life of your unit, Kasco's De-Icers use ball-type bearings for excellent heat dissipation.

### Environmentally Friendly Oil

The oil in Kasco's De-Icers provide maintenance-free lubrication, maximum cooling and protection against failure due to moisture contamination.

