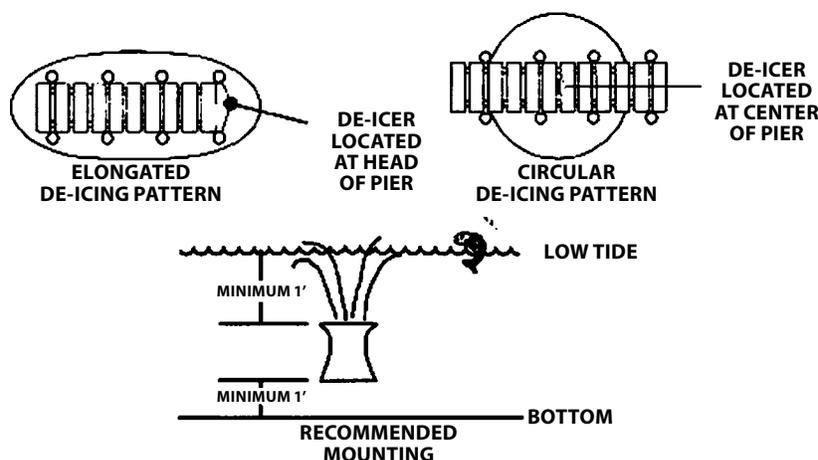


DE-ICERS HELP KEEP YOUR BOAT / DOCK FREE OF DAMAGE FROM ICE

- Marine de-icers are designed to bring warmer subsurface water to the surface. This circulation of water helps prevent ice from forming along your boat and around dock pilings.
- Which size? In general, a 1/2HP motor will provide a 50-foot ice-free area and a 3/4HP motor will provide a 75-foot clear area.
- Effectiveness of de-icers is based on the salinity of the water — water that is lower in salinity will freeze easier and may require more powerful de-icers and more of them
- De-icers should be installed 3-4 feet below the surface of the water for best results; unit must always be submerged to avoid damage to motor and propeller
- De-icers need to be a minimum of 1 foot above the seabed; remember to account for tide
- Plug your de-icer into a GFCI-protected circuit
- Depending on the model you select, de-icers can be suspended by lines or attached to dock mount kits
- De-icers are versatile and can be used to create a circular area free of ice or an elongated area free of ice depending on how they are mounted and what they are protecting:
 - De-icers can be hung vertically below the center of a dock to create a circular ice-free area around opposing pilings
 - De-icers can be suspended at an angle along the side of a boat to create a longer ice-free area along the waterline by adjusting how the lines / cables are attached



- Options provided by de-icers available at Defender include:
 - Power: 1/4HP, 1/2HP, 3/4HP, 1HP
 - Voltage: 115 and 230
 - Melt diameter range: 20 feet to 80 feet
 - Power cord: 25 feet, 50 feet, 100 feet, 150 feet, 200 feet

- Some models can be used with a thermostat, purchased separately, for use only when needed
- Always unplug de-icers when installing, and when adjusting angles
- Inspect your de-icer regularly when in use to ensure it is operating correctly
- You should inspect the anode regularly and have extra anodes on hand
- When removing the de-icer from the water for the season it should be cleaned and rinsed with fresh water
- De-icers should be stored propeller side down in a cool place to keep the seals lubricated
- Defender carries a variety of accessories and optional equipment, including: thermostats, replacement screens to protect the propeller, replacement motors, replacement power cords, anodes, dock mount brackets, replacement propellers, installation brackets

For more specific information about Taylor Made D-Icers or Power House Ice Eaters, see the individual product pages available on [Defender's De-Icers page](#).