HIGH CAPACITY HOT WATER BASEBOARD

Model SCE-632
3/4" Nominal Copper Tubing with 2"x31/4"x.010" thick aluminum fins (natural finish) x 58 fins per ft. Pressure Drop (in ft. of head per 100 ft.- ft./100 ft.) @ 1 GPM = 0.32 ft./100 ft. and @ 4 GPM = 4.16 ft./100 ft. Bursting Pressure 1412 psi.; Operating Pressure 283 psi.

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Model SCE-642
1" Nominal Copper Tubing with 2"x31/4"x.010" thick aluminum fins (natural finish) x 58 fins per ft. Pressure Drop (in ft. of head per 100 ft.- ft./100 ft.) @ 1 GPM = 0.09 ft./100 ft. and @ 4 GPM = 1.13 ft./100 ft. Bursting Pressure 1082 psi.; Operating Pressure 216 psi.

Model SCE-643
1" Nominal Copper Tubing with 3"x31/4"x.020" thick aluminum fins (natural finish) x 51 fins per ft. Pressure Drop (in ft. of head per 100 ft.- ft./100 ft.) @ 1 GPM = 0.09 ft./100 ft. and @ 4 GPM = 1.13 ft./100 ft. Bursting Pressure 1082 psi.; Operating Pressure 216 psi.

Model SCE-653
11/4" Nominal Copper Tubing with 3"x31/4"x.020" thick steel fins (painted finish) x 49 fins per ft. Pressure Drop (in ft. of head per 100 ft.- ft./100 ft.) @ 1 GPM = 0.03 ft./100 ft. and @ 4 GPM = 0.41 ft./100 ft. Bursting Pressure 1556 psi.; Operating Pressure 311 psi.

Model SCE-655
11/4" IPS Steel Pipe with 3"x31/4"x.026" thick steel fins (painted finish) x 48 fins per ft. Pressure Drop (in ft. of head per 100 ft.- ft./100 ft.) @ 1 GPM = 0.35 ft./100 ft. Bursting Pressure 7590 psi.; Operating Pressure 1000 psi.

LIMITED WARRANTY
Embassy Industries, Inc. warrants all System 6 baseboards to be free of defects in material and workmanship for a period of one (1) year from date of shipment. This warranty shall be void if the projections from the baseboards are raised in any manner or damaged or otherwise defaced. This warranty may be voided due to the use of any material or material that is not recommended by Embassy Industries, Inc. This warranty does not apply to any baseboard that is damaged or defaced as a result of use. Any warranty is voided if the baseboard is not properly installed, maintained or used. This warranty does not apply to any baseboard that is damaged or defaced as a result of use. Any warranty is voided if the baseboard is not properly installed, maintained or used. This warranty does not apply to any baseboard that is damaged or defaced as a result of use. Any warranty is voided if the baseboard is not properly installed, maintained or used.

LABORATORY RATINGS

For Embassy System-6 BTU/hr. linear foot 65° Entering Air

<table>
<thead>
<tr>
<th>Model</th>
<th>Tube/Fin</th>
<th>Flow Rate</th>
<th>Average Water Temperature</th>
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<td>SCE-633</td>
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<td>1 GPM (500 lbs./Hr.)</td>
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<tr>
<td>SCE-642</td>
<td>Copper/Al</td>
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<td>680</td>
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<td>SCE-643</td>
<td>Copper/Al</td>
<td>1 GPM (500 lbs./Hr.)</td>
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<td>4 GPM (2000 lbs./Hr.)</td>
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NOTE: All the above In-Ratings are based on active length, which is 4" less than total length, and includes a 15% addition for heat loss. The use of In-Ratings at 2000 lb/hr. is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 2000 lb/hr. Where the flow rate through the baseboard is not known, the rating at 500 lb/hr. must be used.

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http://www.embassyind.com

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HIGH CAPACITY HOT WATER BASEBOARD

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SIX INTERCHANGEABLE HEATING ELEMENTS IN ONE LOW PROFILE ENCLOSURE FOR ANY RESIDENTIAL OR LIGHT COMMERCIAL JOB.

THE ULTIMATE IN FLEXIBILITY AND DESIGN
System 6 is a heavy-duty baseboard heating product that provides specifying engineers and contractors a choice of six interchangeable, high output heating elements in one low profile enclosure. This allows for more design flexibility than any competitor’s baseboard system. System 6’s low profile makes it ideal where space is at a premium, while the extra-high heat outputs of all six elements meet nearly every heating requirement.

System 6 is one of the most rugged baseboards available for any residential or light commercial installation. Its 18 gauge steel front panel and heavy-duty support brackets make System 6 ideal for heavy traffic areas such as offices, apartments and building corridors as well as any home. Plus System 6 comes in a white baked enamel finish that blends with any decor. System 6 features a fully modulating damper for individual room control and its “easy glide” expansion cradles assure noise-free operation. For high-capacity baseboard heating at a competitive price, specify System 6.

SNAP-ON DAMPERS
Finger-touch snap-on damper opens and closes with ease, without the use of hinges which can bind or loosen with age.

HEAVY-DUTY FRONT PANEL
With a rugged 18-gauge steel front panel, there’s none heavier in the industry. This sturdy front panel resists dents and always looks new, year after year.

EASY INSTALLATION
All copper/aluminum heating elements have an expanded end for easy sweat connections without couplings. The 1 1/4” IPS steel element is threaded at both ends.

RUGGED SUPPORT BRACKETS
System 6 is constructed with strong, heavy gauge support brackets which will stand up to years of wear and tear without bending or flattening in any way.

TUBE SUPPORT SYSTEM
System 6’s unique tube support design allows for fast and easy installation of a return line.

SIX INTERCHANGEABLE HEATING ELEMENTS
With a choice of six interchangeable elements, each with a different output and capacity, System 6 is ideal for virtually any type of installation.

Copper/Aluminum Elements:
- SCE-632 (3/4” with 2” x 3 1/4” fins)
- SCE-633 (3/4” with 3” x 3 1/4” fins)
- SCE-642 (1” with 2” x 3 1/4” fins)
- SCE-643 (1” with 3” x 3 1/4” fins)
- SCE-652 (1 1/4” with 3” x 3 1/4” fins)
- SCE-653 (1 1/4” with 3 1/4” x 3 1/4” fins)

IPS Steel Elements:
- SCE-665 (1 1/4” with 3” x 3 1/4” fins)

EXPANSION CRADLES
Easy glide polypropylene expansion cradles are attached to the fins on all six elements over the support brackets, which eliminate noisy metal-to-metal contact between the brackets and the enclosure. This guarantees smooth, quiet operation for years to come.

ACCESSORIES
A END CAPS - 3” wide left (SCC-L) and right (SCC-R), for use at doorways and wherever a finished end is needed. 3” wide slotted left (SCCS-L) and right (SCCS-R), for through-the-wall connections. Fully telescopic.
B EXTENSION SETS - 14” wide (SEX-14). Four sections (back, front, top and damper). Telescopes to fill gaps up to 12 1/2” between baseboard panels.
C WALL JOINERS - 5” (SWJ-5) and 9” (SWJ-9). Fully telescopic to conceal connecting pipes.
D VALVE ENCLOSURE - 9” wide left (SVE-L) and right (SVE-R). Extra wide 6” hinged door for easy access to valve or vent. Fully telescopic.
E VALVE ENCLOSURE (SLOTTED) - 9” wide left (SVE5-L) and right (SVE5-R). Extra wide 6” hinged door for easy access to valve or vent. Fully telescopic.
F INSIDE CORNER - 90° (SIC-90) and 135°/45° (SIC-135). One piece snap-on for easy installation. Telescopic up to 2 1/2” on each wall.
G OUTSIDE CORNER - 90° (SOC-90) and 135°/45° (SOC-135). Use to trim corners at projecting wall. Telescopic up to 1” on each wall.
H SPLICE SET - 2” wide (SSP). Three piece snap-on top, front and damper joiner. Joins adjacent baseboard panels. Supplied free of charge in 5 ft. to 8 ft. lengths.
I COPPER RETURN BEND (SRB) - Custom designed 180° copper-to-copper return bend installs easily into enclosure, offering supply and return connection from one end of the baseboard. Return bend fits elements SCE-632 and SCE-633.
J TUBE SUPPORTS (STS) - Provides support for return tube.
**ACCESSORIES**

**SNAP-ON DAMPERS**
Finger-touch snap-on damper opens and closes with ease, without the use of hinges which can bind or loosen with age.

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  - SCE-632 (1/4" with 2" x 3 1/4" fins)
  - SCE-633 (1/4" with 3" x 3 1/4" fins)
  - SCE-642 (1/2" with 2" x 3 1/4" fins)
  - SCE-643 (1/2" with 3" x 3 1/4" fins)
  - SCE-653 (1 1/4" with 3" x 3 1/4" fins)

- **IPS Steel Elements**
  - SCE-655 (1 1/4" with 3" x 3 1/4" fins)

**EXPANSION CRADLES**
Easy glide polypropylene expansion cradles are attached to the fins on all six elements over the support brackets, which eliminate noisy metal to metal contact between the brackets and the enclosure. This guarantees smooth, quiet operation for years to come.

**A** END CAPS - 3" wide left (SCC-L) and right (SCC-R), for use at doorways and wherever a finished end is needed. 3" wide slotted left (SCCS-L) and right (SCCS-R), for through-the-wall connections. Fully telescopic.

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**E** VALVE ENCLOSURE (SLOTTED) - 9" wide left (SVES-L) and right (SVES-R). Extra wide 6" hinged door for easy access to valve or vent. Fully telescopic.

**F** INSIDE CORNER - 90° (SIC-90) and 135°/45° (SIC-135). One piece snap-on for easy installation. Telescopic up to 2 1/2" on each wall.

**G** OUTSIDE CORNER - 90° (SOC-90) and 135°/45° (SOC-135). Use to trim corners at projecting wall. Telescopic up to 1" on each wall.

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HIGH CAPACITY HOT WATER BASEBOARD

MODEL SPECIFICATIONS

for EMBASSY SYSTEM-6 BTU/hr. linear foot 65° Entering Air

HEATING ELEMENTS

HOT WATER RATINGS IN SEN-6 ENCLOSURE

<table>
<thead>
<tr>
<th>Model</th>
<th>Tubes/Fin</th>
<th>Flow Rate</th>
<th>15°F</th>
<th>19°F</th>
<th>23°F</th>
<th>27°F</th>
<th>31°F</th>
<th>35°F</th>
<th>39°F</th>
<th>43°F</th>
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<tr>
<td>SCE-632</td>
<td>Copper/Al</td>
<td>6 GPM (2000 lbs./Hr.)</td>
<td>710</td>
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<td>890</td>
<td>970</td>
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