BC22011SS

DOLPHIN HOT AIR
HAND DRYER

User Manual

Please read carefully before use
Operating Instructions and Parts Manual (Automatic)

Surface Mount

- Operating Voltage: 230-240Vac, 50/60Hz, 2.0-2.4kW
- Warm Air Volume Output: 314.5m³/h (185 CFM)
- Warm Air Temp Output: 60°C at ambient T=20°C
- Motor Type: ¼ HP, 7500 rpm, Brush Type, 200W, Dual Ball Bearings
- Motor Thermal Protection: Auto Resetting Thermostat turns unit off at 105°C (221°F)
- Heater Element: 2200W
- Heater Thermal Protection: Auto Resetting Thermostat turns unit off at 87°C (189°F)
- Thermal fuse cuts unit off at 141°C (286°F)
- Drying Time: Less than 15 seconds
- Circuit Operation: Infrared Automatic, self adjusting
- Sensor Range: Adjustable; standard 18 cm ± 2 cm
- Time Protection: 1 minute auto shut off
- Time Duration: 2 seconds delayed turn off after last sensor read
- Cover Type: Stainless steel, 1.5 mm thick
- Cover Finish: Stain finished
- Net Weight: 4.5kg [9.9lbs]
- Shipping Weight: 5.5kg [12.1lbs]
- Unit Size: W x H x D [254mm x 326mm x 120mm]
General safety information:

⚠️ **WARNING** This product is intended for installation by a qualified service person. Use 1.5 mm² solid conductor for wiring.

⚠️ **DANGER** Failure to properly ground unit could result in severe electrical shock and/or death.

⚠️ **WARNING** Disconnect power at the service breaker before installing or servicing. NOT FOR HOUSEHOLD USE - MAY CAUSE BURNS. “IMPROPRE A L’USAGE DOMESTIQUE - PRÊT OCCASIONNER.”

--- **NOTE:** Do not install dryer over washbasin ---

Type Y attachment

If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.

Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

Installation

1. Make sure power supply breaker is switched off. Installation must be carried out in accordance with the current edition of the local wiring regulations code having jurisdiction. Installation should be performed only by a qualified electrician.
2. Place template against wall at desired height (see mounting height recommendations) and mark locations of 4 mounting holes and wire service entry at knockout (KO) location.
   **Note:** For two or more dryers, dryers should be no closer than 24 inches (610 mm) on center.
3. Remove and retain 2 cover screws and cover.
4. Connect supply wires to terminal block where indicated and connect ground wire to base plate with ground screw
   **Connections:**
   - A. Connect the live wire (colored red or black or brown) to the terminal block marked "L".
   - B. Connect the neutral wire (colored white or blue) to the terminal block marked "N".
   - C. Connect the ground wire (colored green or green and yellow) to the green screw marked "⊕").
   **Note** that colors of live and neutral wires depend on voltage of supply service.
5. Replace cover. Do not over-tighten screws.
**Recommended mounting heights**
- from bottom edge of dryer above finished floor (AFF)

<table>
<thead>
<tr>
<th>Group</th>
<th>Height</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>1000 mm</td>
<td>(40&quot;)</td>
</tr>
<tr>
<td>Women</td>
<td>960 mm</td>
<td>(38&quot;)</td>
</tr>
<tr>
<td>Children 4-7 years</td>
<td>812 mm</td>
<td>(32&quot;)</td>
</tr>
<tr>
<td>Children 8-10 years</td>
<td>860 mm</td>
<td>(34&quot;)</td>
</tr>
<tr>
<td>Children 11-13 years</td>
<td>910 mm</td>
<td>(36&quot;)</td>
</tr>
<tr>
<td>Children 14-16 years</td>
<td>960 mm</td>
<td>(38&quot;)</td>
</tr>
<tr>
<td>Handicaped</td>
<td>860 mm</td>
<td>(34&quot;)</td>
</tr>
</tbody>
</table>

‘Unit should be mounted to give no less than 300mm clearance from the bottom of the unit to the nearest surface below’

**Cleaning and Maintenance**

Periodic cleaning of the unit is recommended to ensure optimum performance.

- Disconnect the electrical supply.
- Remove the two cover-mounting screws.
- Remove the cover.
- Clean all dust lint from the interior of the dryer.
- Wipe the cover with a damp cloth and mild cleaning solution. Do not Soak. Never use abrasives to clean the cover.
- Replace the cover. Do not over tighten the screws.

**Warranty**

**LIMITED FIVE YEAR WARRANTY**

Please see our website by following this link: http://www.dolphindispensers.co.uk/
or contact our customer service team on 01424 202224 for more details.

**Operation**

- No-touch operation
- Shake excess water from hands.
- Place hands under the outlet to start operation.
- Rub hands lightly and rapidly.
- Stops automatically after hands are removed.
Sensing Range Adjustment

The exact sensing range was pre-set by maker. You'd better not change it. If you want to modify the Sensing Range, please proceed the following procedures.

(And please also refer to TIMER ASSEMBLY DRAWING (-) as follows)

- First of all, cut off the power supply, please.
- Remove the ENCLOSURE / HOUSING of hand dryer.
- Remove the outer case of TIMER ASSEMBLY.
- Find the SENSING RANGE ADJUSTER inside the TIMER ASSEMBLY and use tiny screw driver " - " type or " + " type to turn round the SENSING RANG ADJUSTER:

(A) Clock--------------
  Lengthen the sensing range (+)

(B) Counterclockwise-----
  Shorten the sensing range (-)

Lengthen the sensing range (+)  Shorten the sensing range (-)
<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Satin Finished - Stainless Steel #4</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Security Hex Screw</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Security Hex Wrench</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Brush Motor</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Blower</td>
<td>1</td>
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<tr>
<td>6</td>
<td>Thermostat</td>
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<td>7</td>
<td>Blower Housing A</td>
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<tr>
<td>8</td>
<td>Heater Element</td>
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<tr>
<td>9</td>
<td>Blower Housing B</td>
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<tr>
<td>10</td>
<td>Motor Bracket Assembly</td>
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<tr>
<td>11</td>
<td>Sensor Module + Circuit Board Module</td>
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<tr>
<td>12</td>
<td>Grounding Screw</td>
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<tr>
<td>13</td>
<td>Grounding Washer</td>
<td>1</td>
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<tr>
<td>14</td>
<td>Terminal Block</td>
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<tr>
<td>15</td>
<td>Base Plate</td>
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<tr>
<td>16</td>
<td>Cable Clamp</td>
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</tr>
<tr>
<td>17</td>
<td>Nylon Bushing</td>
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