Block Ice-Maker Machine

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Block Ice-maker Machine BIQ 1 Series

Block Ice-maker machine BIQ1000
Block Ice-maker machine BIQ1000 is an automated block ice maker unit with a production capacity of 1 ton / 24 hours. It uses a brine water ice system as an indirect cooling system. It is integrated with an agitator that uniformly circulates the brine water in order to increase the ice-making speed. The large capacity refrigerant reservoir protects the compressor which ensures the durability of this equipment.

Features
- Intelligent control system preventing human intervention
- Type: Freon shell tube type Block ice-maker
- Water temperature is as low as -18 °C
- Coiled evaporator with smooth oil circulation avoiding piston clamping
- High ice-making speed
- Ice formed is hard and difficult to melt
- Unaffected output capacity by environmental temperature

Block Ice-maker machine BIQ1001
Block Ice-maker machine BIQ1001 is an automated block ice maker unit with a production capacity of 2 ton / 24 hours. It uses a brine water ice system as an indirect cooling system. It is integrated with an agitator that uniformly circulates the brine water in order to increase the ice-making speed. The large capacity refrigerant reservoir protects the compressor which ensures the durability of this equipment.

Features
- Intelligent control system preventing human intervention
- Type: Freon shell tube type Block ice-maker
- Water temperature is as low as -18 °C
- Coiled evaporator with smooth oil circulation avoiding piston clamping
- High ice-making speed
- Ice formed is hard and difficult to melt
- Unaffected output capacity by environmental temperature
Block Ice-maker Machine BIQ 1 Series

Block Ice-maker machine BIQ1002
Block Ice-maker machine BIQ1002 is an automated block ice maker unit with a production capacity of 3 ton / 24 hours. It uses a brine water ice system as an indirect cooling system. It is integrated with an agitator that uniformly circulates the brine water in order to increase the ice-making speed. The large capacity refrigerant reservoir protects the compressor which ensures the durability of this equipment.

Features
- Intelligent control system preventing human intervention
- Type: Freon shell tube type Block ice-maker
- Water temperature is as low as -18 °C
- Coiled evaporator with smooth oil circulation avoiding piston clamping
- High ice-making speed
- Ice formed is hard and difficult to melt
- Unaffected output capacity by environmental temperature

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Block Ice-maker machine BIQ1003
Block Ice-maker machine BIQ1003 is an automated block ice maker unit with a production capacity of 5 ton / 24 hours. It uses a brine water ice system as an indirect cooling system. It is integrated with an agitator that uniformly circulates the brine water in order to increase the ice-making speed. The large capacity refrigerant reservoir protects the compressor which ensures the durability of this equipment.

Features
- Intelligent control system preventing human intervention
- Type: Freon shell tube type Block ice-maker
- Water temperature is as low as -18 °C
- Coiled evaporator with smooth oil circulation avoiding piston clamping
- High ice-making speed
- Ice formed is hard and difficult to melt
- Unaffected output capacity by environmental temperature
Block Ice-maker machine BIQ1004

Block Ice-maker machine BIQ1004 is an automated block ice maker unit with a production capacity of 8 ton / 24 hours. It uses a brine water ice system as an indirect cooling system. It is integrated with an agitator that uniformly circulates the brine water in order to increase the ice-making speed. The large capacity refrigerant reservoir protects the compressor which ensures the durability of this equipment.

Features
- Intelligent control system preventing human intervention
- Type: Freon shell tube type Block ice-maker
- Water temperature is as low as -18 °C
- Coiled evaporator with smooth oil circulation avoiding piston clamping
- High ice-making speed
- Ice formed is hard and difficult to melt
- Unaffected output capacity by environmental temperature

Block Ice-maker machine BIQ1005

Block Ice-maker machine BIQ1005 is an automated block ice maker unit with a production capacity of 10 ton / 24 hours. It uses a brine water ice system as an indirect cooling system. It is integrated with an agitator that uniformly circulates the brine water in order to increase the ice-making speed. The large capacity refrigerant reservoir protects the compressor which ensures the durability of this equipment.

Features
- Intelligent control system preventing human intervention
- Type: Freon shell tube type Block ice-maker
- Water temperature is as low as -18 °C
- Coiled evaporator with smooth oil circulation avoiding piston clamping
- High ice-making speed
- Ice formed is hard and difficult to melt
- Unaffected output capacity by environmental temperature
Applications
Used to make ice blocks which can be used for industrial fields for eg. Voyage fishing, industrial ice, room cooling, long distance transportation and summer cooling

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>BIQ1000</th>
<th>BIQ1001</th>
<th>BIQ1002</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ice-machine capacity</td>
<td>1 ton/24 hrs</td>
<td>2 ton/24 hrs</td>
<td>3 ton/24 hrs</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22/R404A</td>
<td>R22/R404A</td>
<td>R22/R404A</td>
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<tr>
<td>Max. ambient temp.</td>
<td>+ 45 °C</td>
<td>+ 45 °C</td>
<td>+ 45 °C</td>
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<tr>
<td>Ice machine size</td>
<td>2680×1260×1050 mm</td>
<td>4270×1510×1200 mm</td>
<td>4900×1720×1200 mm</td>
</tr>
<tr>
<td>Cooling way</td>
<td>Water cooling; Air cooling; Evaporating cooling</td>
<td>Water cooling; Air cooling; Evaporating cooling</td>
<td>Water cooling; Air cooling; Evaporating cooling</td>
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<tr>
<td>Supply water temp.</td>
<td>+ 23 °C to 18 °C</td>
<td>+ 23 °C to 18 °C</td>
<td>+ 23 °C to 18 °C</td>
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<tr>
<td>Condenser temp</td>
<td>+ 40 °C</td>
<td>+ 40 °C</td>
<td>+ 40 °C</td>
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<tr>
<td>Rated power of compressor</td>
<td>3 kW</td>
<td>6 kW</td>
<td>9 kW</td>
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<tr>
<td>Rated power of agitator</td>
<td>1.5 kW</td>
<td>2.2 kW</td>
<td>2.2 kW</td>
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<tr>
<td>Rated power of cooling pump</td>
<td>1.1 kW</td>
<td>1.5 kW</td>
<td>1.5 kW</td>
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<tr>
<td>Rated power of cooling fan</td>
<td>0.18 kW</td>
<td>0.37 kW</td>
<td>0.56 kW</td>
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<tr>
<td>Weight</td>
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<td>1100 kgs</td>
<td>1300 kgs</td>
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<td>Model</td>
<td>BIQ1003</td>
<td>BIQ1004</td>
<td>BIQ1005</td>
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<tr>
<td>Ice-machine capacity</td>
<td>5 ton/24 hrs</td>
<td>8 ton/24 hrs</td>
<td>10 ton/24 hrs</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R22/R404A</td>
<td>R22/R404A</td>
<td>R22/R404A</td>
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<tr>
<td>Max. ambient temp.</td>
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<td>+ 45 °C</td>
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<tr>
<td>Ice machine size</td>
<td>5800×2100×1350 mm</td>
<td>7330×2200×1350 mm</td>
<td>8860×2200×1700 mm</td>
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<td>Cooling way</td>
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<tr>
<td>Condenser temp</td>
<td>+ 40 °C</td>
<td>+ 40 °C</td>
<td>+ 40 °C</td>
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<td>Rated power of compressor</td>
<td>15 kW</td>
<td>22.5 kW</td>
<td>37.5 kW</td>
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<td>Rated power of agitator</td>
<td>3 kW</td>
<td>4 kW</td>
<td>4 kW</td>
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<tr>
<td>Rated power of cooling pump</td>
<td>2.2 kW</td>
<td>4 kW</td>
<td>4 kW</td>
</tr>
<tr>
<td>Rated power of cooling fan</td>
<td>0.75 kW</td>
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<td>1.5 kW</td>
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<td>Weight</td>
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