



## The Flake Ice Generators

Production from 500 to 50 000 kg / 24 h.



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| Land-based models |         |                       |             |                          |                |                        |
|-------------------|---------|-----------------------|-------------|--------------------------|----------------|------------------------|
| Water             | Model   | Production<br>kg /24h | fluid       | Dimensions<br>LxWxH (CM) | Weight<br>(Kg) | Installed<br>power (W) |
| Fresh<br>Water    | F15     | 300 - 500 kg          | R404A - C02 | 52 x 36 x 60             | 50             | 160                    |
|                   | F30     | 600 - 1 000 kg        | R404A       | 65 x 50 x 70             | 90             | 250                    |
|                   | F90     | 1 600 - 3 500 kg      | R404A       | 89 x 73 x 126            | 250            | 250                    |
| Sea<br>Water      | F90 SW  | 3 000 kg              | R404A       | 90 x 70 x 126            | 250            | 305                    |
| Fresh<br>Water    | F200*   | 4 500 - 6 500 kg      | R717- R404A | 120 x 92 x 176           | 720            | 320                    |
|                   | F250*   | 7 000 - 10 000 kg     | R717- R404A | 130 x 97 x 205           | 900            | 320                    |
|                   | F600*   | 10 000 - 14 000 kg    | R717- R404A | 150 x 120 x 205          | 950            | 390                    |
|                   | F800*   | 14 000 - 20 000 kg    | R717- R404A | 155 x 155 x 310          | 2500           | 850                    |
|                   | F900*   | 20 000 - 30 000 kg    | R717- R404A | 195 x 195 x 310          | 3100           | 850                    |
|                   | F2000*  | 40 000 - 50 000 kg    | R717- R404A | 244×244×310              | 5000           | 1150                   |
| On-board models   |         |                       |             |                          |                |                        |
| Fresh<br>Water    | F30 M   | 1 000 kg              | R404A       | 75 x 50 x 120            | 90             | 215                    |
|                   | F100 M  | 2 500 kg              | R404A       | 90 x 70 x 160            | 220            | 305                    |
| Sea<br>Water      | F100 SW | 2 700 kg              | R404A       | 90 x 70 x 150            | 220            | 305                    |

- Dry and subcooled ice.
- Stationary and insulated cylinder.
- Few moving parts liable to wear and tear.
- Few mechanical constraints.
- Optimum thermal exchange.
- Compatible with all modern refrigerants.
- CE and ASME Compliant.
- Manufacturing under independant survey.
- Food compatibility: stainless steel water path for models up to 10 tons.
  Cleaning-in-place optional.

- \* Each ice generator is available :
- either with flood bottle
   (ABF version) for feeding
   with high pressure liquid.
- or without flood bottle (SBF version) for feeding with low pressure liquid (flooded system).



- 1 Heavy-duty gear reducer Adjustable speed
- 2 Flood bottle
- 3 Helical reamer Continuous ice harvesting
- 4 Refrigerant Liquid Level Control
- 5 Double wall stationary drum Pressure tested at 26 bars no sealed bearings
- 6 HP liquid line
- **7** CFC-free insulation with PVC
- 8 Solenoid valve
- 9 Rubber wiper
- 10 Dry and sub-cooled flake-ice Large heat-exchange surface area
- **11** Hand-throttle valve
- **12** Evaporating surface *High-conductivity corrosion shield*
- **13** Salt dosing pump
- **14** Heavy-duty water pump

## **GEA Refrigeration Technologies**

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