

 **FRIGOTECNICA**
— *flake ice makers*

COMPANY PROFILE

Frigotecnica is a cooperative established in 1986, specialized in the production of flake ice-making machines. Frigotecnica is located in Mazara del Vallo, an important fishing port, where the strong concentration of operators in the fishing industry means a continuous growth in the demand for flake ice-making machines.

Flake ice is considered an essential element for the conservation and distribution of fresh fish, because, melting slowly, it cools and hydrates the product, maintaining its quality unaltered.

Already in the early 1990's, Frigotecnica recorded a strong growth, both for the request of national and foreign markets, and because, in addition to the fish sector, other companies, in particular in the dairy, fruit, vegetable and meat processing sectors, began to use flake ice for certain production process.

In 2004, thanks to the constant growth, Frigotecnica acquired its current plant in the industrial area of Mazara del Vallo, a production area of 3000 square meters, of which 1500 covered. This was of a strategic importance for the company which, thanks also to the use of new machinery, has been able to realize new models of ice machines, and to improve the existing range, both in terms of products, components and functional aspects.

Today, Frigotecnica aims with great interest, to produce their own flake ice makers using alternative energies and / or using non-polluting refrigerants, certified by TUV RINA CE and which have the purpose of reducing the electrical absorption of the machine.



FLAKE ICE MAKERS with sweet water or seawater Mod.series "S" evaporator without motocondensing unit

COMMERCIAL RANGE FROM 350 TO 4200 KG/24h

- Stainless steel base ASI 316
- Easy to installation and low operating costs
- Predisposed for connection to the motocondensing unit



MODEL	FT 350 S	FT 550 S	FT 800 S	FT 1200 S	FT 2000 S	FT 2800 S	FT 4000 S
Daily productivity (kg/24h)	320/380	450/580	720/870	1100/1300	1900/2150	2500/2900	3600/4200
Gear motor (watt)	90	90	110	110	110	110	120
Water consumption (lt/h)	15	24	36	54	89	120	175
Capacity KW (-30° / + 40°C)	1,7	2,9	4,5	7,4	11,9	16,5	19,5
Sizes (cm) width x depth x height	79x34x41	75x46x45	830x46x45	100x50x43	119x50x43	138x50x43	155x61x60
Weight (kg)	40	70	75	110	106	131	210

- FT 350 220/1/50 Hz - FT 550 S: Upon request 220/1/50 A. C.
- FT 350÷4000 S : Standard: 380/3/50 + N (Upon request: 24 Volt D. C.)
- Refrigerant: 448 A - 449 A
- Ice thickness: 2÷3mm
- Ice temperature: -14÷ -18

STANDARD EQUIPMENT

380/3/50 + -220/1/50 A. C.)= base in stainless steel - evaporator - gear reducer - automatic valve gas solenoid - thermostat - probes for water lack - electrical connection terminals

UPON REQUEST

Evaporator electrical resistance - ice conveyor - micro for super-full - stainless steel evaporator jacket saltwater dosing device - water level electroprobe

The 24-hour production index is based on a temperature of 24°C and supply water temperature of 18°C and may vary depending on installation conditions.

FLAKE ICE MAKERS with sweet water or seawater Mod.series“P” guarded evaporator without motocondensing unit

COMMERCIAL RANGE FROM 350 TO 4200 KG/24h

- Stainless steel fairing ASI 316
- Easy to installation and low operating costs
- Predisposed for connection to the motocondensing unit



MODEL	FT 350 P	FT 550 P	FT 800 P	FT 1200 P	FT 2000 P	FT 2800 P	FT 4000 P
Daily productivity (kg/24h)	320/380	450/570	720/870	1100/1300	1900/2150	2500/2900	3600/4200
Gear motor (watt)	90	90	110	110	110	110	120
Water consumption (lt/h)	15	24	36	54	89	120	175
Capacity KW (-30° / + 40°C)	1,7	2,9	4,5	7,4	11,9	16,5	19,5
Sizes (cm) width x depth x height	80x57x52	82x56x55	84x56x55	910x60x60	120x60x60	138x61x60	145x72x76
Weight (kg)	60	90	95	135	160	180	290

- FT 350 220/1/50 Hz - FT 550 S: Upon request 220/1/50 A. C.
- FT 350÷4000 S : Standard: 380/3/50 + N (Upon request: 24 Volt D. C.)
- Refrigerant: 448 A - 449 A
- Ice thickness: 2÷3mm
- Ice temperature: -14÷ -18

STANDARD EQUIPMENT

380/3/50 + N -220/1/50 A. C. stainless steel frame - evaporator - gear reducer - automatic valve
gas solenoid - thermostat - probes for water lack - electrical connection terminals

UPON REQUEST

evaporator eletrical resistance - ice conveyor - micro for super-full - stainless steel evaporator jacket
saltwater dosing device - water level electroprobe

The 24-hour production index is based on a temperature of 24°C and supply water temperature of 18°C and may vary depending on installation conditions.

**FLAKE ICE MAKERS with sweet water or seawater
Mod.series“P” guarded evaporator without
motocondensing unit**

PRODUCTION FROM 5200 TO 8100 KG/24h

- Stainless steel fairing ASI 316
- Easy to installation and low operating costs
- Predisposed for connection to the motocondensing unit



MODEL	FT 5600 P	FT 8000 P
Daily productivity (kg/24h)	5200/5800	7200/8100
Gear motor (watt)	2x110	2x120
Water consumption (lt/h)	240	335
Capacity KW (-30° / + 40°C)	28	35
Sizes (cm) width x depth x height	145x65x120	140x150x85
Weight (kg)	350	520

- Refrigerant: 448A - 449A
- Ice thickness: 2÷3mm
- Ice temperature: -14÷ -18

STANDARD EQUIPMENT

380/3/50 + N= stainless steel frame - evaporator - gear reducer - automatic valve
gas solenoid - thermostat - probes for water lack - electrical connection terminals - connecting collector
UPON REQUEST
evaporator eletrical resistance - ice conveyor - micro for super-full - stainless steel evaporator jacket
saltwater dosing device - water level electroprobe

The 24-hour production index is based on a temperature of 24°C and supply water temperature of 18°C and may vary depending on installation conditions.

FLAKE ICE MAKERS with sweet water or seawater Mod.series "CA" complete with cabinet and air motocondensing unit

PRODUCT RANGE FROM 350 TO 4200 KG/24h

- Stainless steel framing ASI 316
- Easy to installation and low operating costs
- Simply connect water and power supply



MODEL	FT 350 CA	FT 550 CA	FT 800 CA	FT 1200 CA	FT 2000 CA	FT 2800 CA	FT 4000 CA
Daily productivity (kg/24h)	320/380	450/570	720/870	1100/1300	1900/2150	2500/2900	3600/4200
Gear motor (watt)	90	90	110	110	110	110	120
Condenser	Aria	Aria	Aria	Aria	Aria	Aria	Aria
Water consumption (lt/h)	15	24	36	54	89	120	175
Refrigeration capacity KW (-30°/+ 40°C)	1,7	2,9	4,5	7,4	11,9	16,5	19,5
Absorbed power KW	1,7	2,3	3,6	5	7,8	11,1	13,1
Sizes (cm) width x depth x height	110x69x86	115x85x100	115x85x100	160x110x115	160x110x115	160x110x115	160x120x130
Weight (kg)	140	200	250	320	400	500	850

- FT 350 CA = Standard: 220/1/50 Hz
- FT 550 CA = Standard: 380/3/50 Hz+N (Upon request: FT 500 220/1/50 Hz)
- Refrigerant: 448 A - 449 A
- Ice thickness: 2÷3mm
- Ice temperature: -14÷ -18

STANDARD EQUIPMENT

380/3/50 + N -220/1/50 A. C. stainless steel frame - evaporator - gear reducer - automatic valve gas solenoid - thermostat - probes for water lack - electrical connection terminals

UPON REQUEST

evaporator eletrical resistance - ice conveyor - micro for super-full - stainless steel evaporator jacket saltwater dosing device - water level electroprobe

The 24-hour production index is based on a temperature of 24°C and supply water temperature of 18°C and may vary depending on installation conditions.

FLAKE ICE MAKERS with sweet water or seawater Model "CA" complete with cabinet and motocondensing unit

PRODUCTION FROM 5200 TO 8100 KG/24h

- Stainless steel framing ASI 316
- Easy to installation and low operating costs
- Simply connect water and power supply
- Possibility to request the machine in two separate blocks (evaporating unit and condensing unit)



MODEL	FT 5600 CA	FT 8000 CA
Daily productivity (kg/24h)	5200/5800	7200/8100
Gear motor (watt)	2x110	2x120
Water consumption (lt/h)	240	335
Refrigeration capacity KW (-30°/+ 40°C)	28	35
Absorbed power KW	21,3	26,8
Sizes (cm) width x depth x height	300x190x170	300x120x185
Weight (kg)	1000	1300

- FT 4000÷8000 = Standard 380/3/50 Hz+N
- Refrigerant: R 448 A - R 449 A
- Ice thickness: 2÷3mm
- Ice temperature: -14÷ -18

STANDARD EQUIPMENT

Stainless steel frame - evaporator - gear reducer - automatic valve
gas solenoid - thermostat - water level control - semi-hermetic moto-compressor - condenser
combined pressure switch - liquid indicator - dehydrating filter - oil separator - liquid separator / heat exchanger
electric board - crankcase heater - speed regulator - oil pressure switch - saltwater dosing device - liquid receiver
UPON REQUEST

liquid injection - evaporator electrical resistance - remote switch-on command - ice conveyor
remote condenser - stainless steel evaporator jacket - electric panel with PLC

The 24-hour production index is based on a temperature of 24°C and supply water temperature of 18°C and may vary depending on installation conditions.

FLAKE ICE MAKERS with sweet water or seawater Model "CW" complete with cabinet refrigerator and water condenser

PRODUCT RANGE FROM 350 TO 4200 KG/24h

- Stainless steel framing ASI 316
- Easy to installation and low operating costs
- Simply connect water and power supply



MODEL	FT 350 CW	FT 550 CW	FT 800 CW	FT 1200 CW	FT 2000 CW	FT 2800 CW	FT 4000 CW
Daily production (kg/24h)	320/380	450/570	720/870	1100/1300	1900/2150	2500/2900	3600/4200
Gear motor (watt)	90	120	120	120	120	120	120
Condenser	Acqua	Acqua	Acqua	Acqua	Acqua	Acqua	Acqua
Water consumption (lt/h)	15	24	36	54	89	120	175
Condenser water consumption m3/h	0,60	0,74	1,14	1,55	2,3	3,1	3,4
Refrigeration capacity kw (-30°/+ 40°c)	1,7	2,9	4,5	7,4	11,9	16,5	19,5
Absorbed power kw	1,5	2,4	3,6	5,2	7,8	10,8	13
Sizes (cm) width x depth x height	110x69x82	115x80x101	115x80x101	125x82x115	130x82x115	150x87x115	145x126x160
Weight (kg)	140	200	250	320	400	500	850

- Ft 350 cw: Electrical standards 220/1/50 Hz = Upon Demand 380/3/50 + N Hz
- Ft 550÷4000 cw: Electrical standards 380/3/50 +N = Upon Demand Ft 500 200/1/50 Hz
- Refrigerant: 448 A - 449 A
- Ice thickness: 2÷3mm
- Ice temperature: -14÷ -18

STANDARD EQUIPMENT

stainless steel frame - evaporator - gear reducer - automatic valve - gas solenoid - thermostat
 semi-hermetic moto-compressor - condenser - combined pressure switch - liquid indicator - dehydrating filter
 liquid separator / heat exchanger - eletric board - crankcase heater - saltwater dosing device
 oil pressure switch (where required by the compressor) - level water electroprobe - liquid receiver

UPON REQUEST

liquid injection - evaporator eletrical resistance PLC - remote switch-on command - ice conveyor
 micro for super-full - stainless steel evaporator jacket - electric pump for condenser

The 24-hour production index is based on a temperature of 24°C and supply water temperature of 18°C and may vary depending on installation conditions.

FLAKE ICE MAKERS with sweet water or seawater Model "CW" modular complete with cabinet and motocondensing unit

PRODUCT RANGE FROM 5200 TO 8100 KG/24h

- Stainless steel framing ASI 316
- Easy to installation and low operating costs
- Pre-arranged for connection to the electrical and water systems
- Possibility to request the machine in two separate blocks (evaporating unit and condensing unit)



MODEL	FT 5600 CW	FT 8000 CW
Daily productivity (kg/24h)	5200/5800	7200/8100
Gear motor (watt)	2x110	2x120
Water consumption (lt/h)	241	291
Condenser water consumption m3/h	7,3	8,6
Refrigeration capacity KW (-30°/+ 40°C)	29000	38700
Absorbed power KW	21,2	24,2
Sizes (cm) width x depth x height	210x130x160	210x130x175
Weight (kg)	1000	1300

- Electrical standards: 380/3/50 +N
- Refrigerant: R 448 A -R 449 A
- Ice thickness: 1,5÷3mm
- Ice temperature: -14÷ -18

STANDARD EQUIPMENT

stainless steel frame freezer - gear reducer - automatic valve - gas solenoid - thermostat - water level control
 semi-hermetic moto-compressor - water condenser - combined pressure switch - liquid indicator
 dehydrating filter - liquid separator / heat exchanger - oil separator - eletric board - crankcase heater
 oil pressure switch (where required by the compressor) - saltwater dosing device - liquid receiver

UPON REQUEST

liquid injection - freezer eletrical resistance - remote condenser - remote switch-on command
 ice conveyer - freezer jacket stainless steel PLC

The 24-hour production index is based on a temperature of 20°C and supply water temperature of 18°C and may vary depending on installation conditions.

Motocondensing unit for FLAKE ICE MAKERS "FT-C"

REFRIGERATING CAPACITY FROM 1,4 to 45KW

- Stainless steel framing ASI 316
- Easy to installation and low operating costs



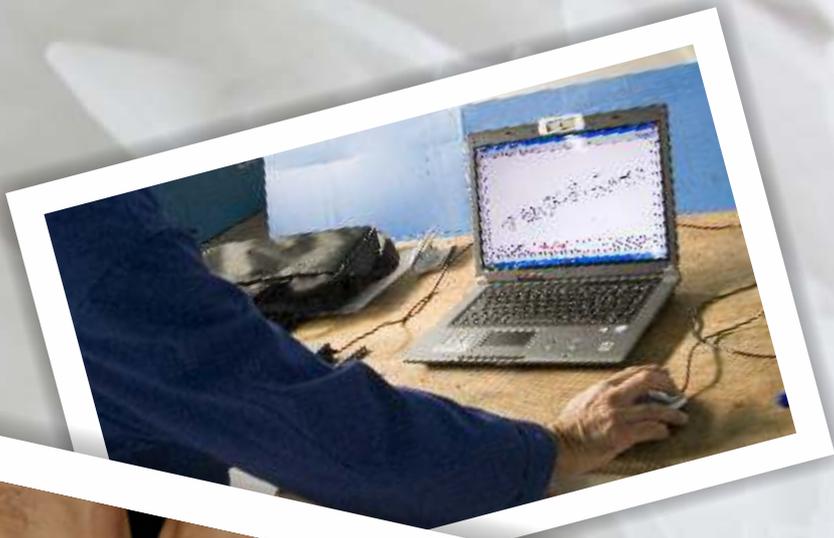
MODEL	GFT3	GFT5	GFT8	GFT12	GFT20	GFT28	GFT40	GFT56	GFT80
Condenser	acqua/aria	acqua/aria	acqua/aria	acqua/aria	acqua/aria	acqua/aria	acqua/aria	acqua/aria	acqua/aria
Refrigeration capacity kw (-30° / + 40°C)	1,9	2,9	4,5	7,4	11,9	16,5	19,9	29	38,7
Absorbed power kw (-30°/+40°C)	1,3	2,5	3,4	4,7	7,3	11	13	21	24
Max inrush current a	3,5	6,8	9,6	12,2	21	31	37	53	101
Sizes (cm) width x depth x height	76x68x70	120x85x80	120x85x80	140x100x125	140x100x125	200x110x170	200x110x170	200x110x170	200x110x170
Weight (kg)	80	110	155	185	240	320	350	530	620

STANDARD EQUIPMENT

stainless steel frame - tap - gas solenoid - semi-hermetic moto-compressor
 condenser - combined pressure switch - liquid indicator - oil separator
 dehydrating filter - liquid receiver / heat exchanger - electric board
 vibration eliminator - speed controller - non-return valve - electrical resistance

UPON REQUEST

liquid injection





 **FRIGOTECNICA**
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