



INDUSTRIAL PRODUCT LINE



Industrial flake ice maker designed for continuous duty; typically used for direct cooling of chicken, fish, vegetables, meat processing, cement, etc.

BENEFITS:

- Helical cutter long life and low vibration.
- Quiet operation.
- Continuous operation does not require defrost cycles.
- Minimal maintenance.
- Robust and Compact.
- Efficient.
- Reliable.

STANDARD FEATURES:

- Vertical drum type Evaporator constructed in stainless steel 304.
- Produces sub-cooled ice from fresh water in flake form - "flake ice".
- Capacities: 1.5 to 35 ton/day.
- Stainless steel constructed water tank is thermally insulated.
- Stainless steel helicoidal cutter.
- Controls are U.L. approved.
- Motor, cutter and pump 208-240 / 460 volt / 3ph / 50-60 Hz.
- Direct expansion refrigeration system.
- Multiple circuit evaporators with one thermostatic expansion valve per circuit.
- Eco-friendly Refrigerant: R404a / R504a
- Best when operated with FriconUSA Condensing Units.
- Bitzer or Carlyle brand semi-hermetic or screw compressor.
- 2 year warranty.

OPTIONAL:

- Design for operation for salt water, constructed with 316 stainless steel drum.
- Special construction for cleaner processes (food grade and pharmaceutical).
- Other electrical requirements.
- Direct expansion Ammonia refrigerant.
- Refrigeration System flooded or recirculated (contact factory).
- Special design for fishing boats.
- Self-Contained Package Unit.



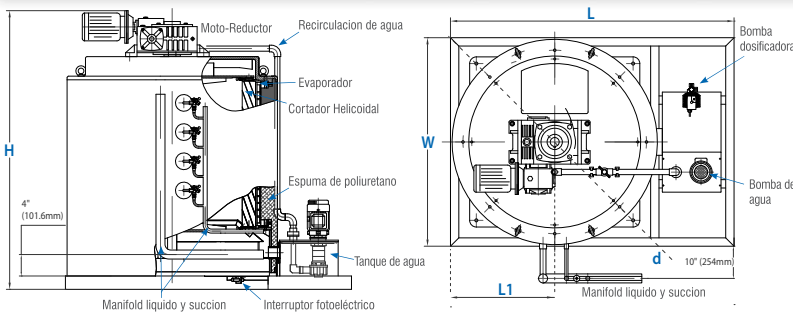
POWERED BY:



FFIM 1500-35000 SERIES — FLAKE ICE MAKER

TECHNICAL FEATURES	FFIM-Series-F-S-A-BR-44-1		SERIE									
			1500	2500	3800	6000	8000	10000	12000	18000	24000	35000
	Type and size of ice		Flake Ice approximately 1.5 to 2.5mm thick									
	Production Capacity - Lb (Kg) /dia		1.38 (1.26)	2.445 (2.22)	3.6675 (3.33)	5.8005 (5.27)	7.9875 (7.26)	10.25 (9.32)	11.683 (10.62)	17.12 (15.56)	24.02 (21.83)	34.99 (31.81)
	Refrigerant		DX R-404a / R-507a Standard (Other options available)									
	Refri. Charge R-404A Lb (Kb)		6.6 (3)	15.4 (7)	33 (15)	39.6 (18)	55 (25)	74.8 (34)	96.8 (44)	123.2 (56)	176 (80)	264 (120)
	Power Supply		208-240 or 460 VOLT 3 PH 60 Hz Standard (Other options available)									
	Pump Capacity HP (Kw)		0.034 (0.02)	0.034 (0.02)	0.034 (0.02)	0.17 (0.12)	0.34 (0.25)	0.34 (0.25)	0.34 (0.25)	0.34 (0.25)	0.5 (0.37)	0.75 (0.55)
	Cutter Capacity HP (Kw)		0.34 (0.25)	0.5 (0.37)	0.5 (0.37)	0.75 (0.55)	0.75 (0.55)	1 (0.73)	1 (0.73)	2 (1.46)	3 (2.19)	3 (2.19)
	Refrigerant Requirement BTU/H(Kw) Evaporation Temp. -10°F(-23°C)		24.8 (8.7)	43.3 (15.2)	63.4 (22.3)	94.3 (33.2)	139.6 (49.1)	177.5 (62.4)	211.2 (74.2)	284.1 (99.9)	387.4 (136.2)	616.7 (216.8)
	Unidad Condensadora recomendada marca FriconUSA	Semi-Hermetico	FSCU-0030-L	FSCU-0070-L	FSCU-0150-L	FSCU-0180-L						
Tornillo				FMP5-0150-L	FMP5-0180-L	FMP5-0250-L	FMP5-0340-L	FMP5-0440-L	^{2X} FMP5-0280-L	^{2X} FMP5-0440-L	^{3X} FMP5-0440-L	
							FLCU-0300-L	FLCU-0350-L	FLCU-0600-L	FLCU-0750-L	FLCU-1200-L	

DIMENSIONS AND WEIGHT	Base Width - In (mm) "W"	22 7/8 (580)	26 6/8 (680)	26 6/8 (680)	35 (890)	49 2/8 (1,250)	49 2/8 (1,250)	49 2/8 (1,250)	64 5/8 (1,640)	64 5/8 (1,640)	81 4/8 (2,070)
	Base Length - In (mm) "L"	31 7/8 (810)	36 5/8 (930)	36 5/8 (930)	44 7/8 (1,140)	68 1/8 (1,730)	66 7/8 (1,700)	66 7/8 (1,700)	82 5/8 (2,100)	82 5/8 (2,100)	99 5/8 (2,530)
	Total Height - In (mm) "H"	33 7/8 (860)	41 3/8 (1,050)	48 (1,220)	53 1/8 (1,350)	57 1/8 (1,450)	65 6/8 (1,670)	65 6/8 (1,670)	74 (1,880)	83 4/8 (2,120)	83 4/8 (2,120)
	Center of the Hole - In (mm) "L1"	11 3/8 (290)	13 3/8 (340)	13 3/8 (340)	17 4/8 (445)	24 5/8 (625)	24 5/8 (625)	24 5/8 (625)	32 2/8 (820)	32 2/8 (820)	40 6/8 (1,035)
	Ice Discharge Diameter "d"	19 1/8 (486)	23 2/8 (590)	23 2/8 (590)	31 1/8 (790)	45 5/8 (1,160)	45 5/8 (1,160)	45 5/8 (1,160)	60 7/8 (1,546)	60 7/8 (1,546)	76 5/8 (1,946)
	Net Weight - Lb (Kg)	485.02 (220)	529 (240)	780 (355)	1,100 (500)	2,200 (1000)	2,425.1 (1,102)	2,425.1 (1,102)	3,520 (1,600)	4,180 (1,900)	5,280 (2,400)



RANGE OF OPERATING CONDITIONS	Minimum	Maximum
Ambient Temperature	50°F (10°C)	110°F (43.3°C)
Water Supply Temperature	40°F (4.4°C)	90°F (32.2°C)
Water Supply Pressure	20 PSIG (1.4 bar)	40 PSIG (2.7 bar)
Electric Voltage	-10%	10%

NOMENCLATURE

FFIM 12000 F S A BR 44 1

F "FRICONUSA"
F FLAKE
I ICE
M MACHINE

SERIES / CAPACITY IN TON*:
01500: 1.5 TON **08000:** 8.0 TON **24000:** 24 TON
02500: 2.5 TON **10000:** 10 TON **35000:** 35 TON
03800: 3.8 TON **12000:** 12 TON
06000: 6.0 TON **18000:** 18 TON

APPLICATION:
F: FRESH WATER **C:** CLEAN (Food Grade and Pharmaceutical)
S: SALT WATER

TYPE:
E: EVAPORATOR SECTION ONLY
P: PACKAGE (Self-Contained Unit)
S: SPLIT (Remote Evaporator + Remote Condensing Unit)

ELECTRICAL INFORMATION:
1: 208-230V / 3HP / 60HZ
2: 460V / 3HP / 60HZ
3: 380V / 3HP / 50HZ
4: 575V / 3HP / 60HZ
8: "S" SPECIAL VOLTAGE

REFRIGERANT:
13: R-134a **S:** SPECIAL REFRIGERANT (CONTACT THE FACTORY)
44: R-404a/R-507a
47: R-407a
77: R-717 (AMMONIA)

COMPRESSOR BRAND & TYPE:
O: N/A**
BR: BITZER SEMI-HERMETIC RECIPROCAT
BS: BITZER SCREW
CR: CARLYLE SEMI-HERMETIC RECIPROCAT
CS: CARLYLE SCREW

CONDENSER TYPE:
O: N/A** **E:** EVAPORATIVE
A: AIR COOLED (Std.) **W:** WATER COOLED

*1 Ton = 2000 lb

**When you select Type "E" (Evaporator Section only)

Std.: Standard Option

