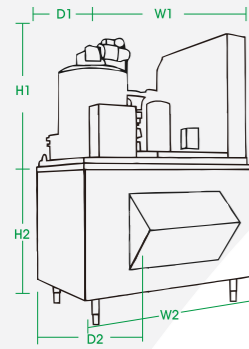


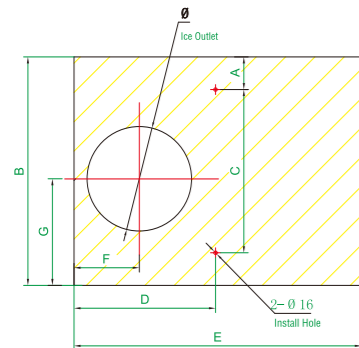
Dimensions Without Packing



Outside Dimensions Table

Model	Ice Storage Bin	Ice Storage Capacity	Dimension of Ice Machine			Dimension of Ice Storage Bin		
			L1	W1	H1	L2	W2	H2
FF0.3AR	CX400	400kg	1090mm	700mm	745mm	1258mm	1096mm	1160mm
FF0.5AR	CX400	400kg	1250mm	750mm	840mm	1258mm	1096mm	1160mm
FF1AR	CX800	800kg	1320mm	1050mm	890mm	1328mm	1393mm	1360mm
FF1.5AR	CX800	800kg	1320mm	1050mm	965mm	1328mm	1393mm	1360mm
FF2AR	CX1200	1200kg	1600mm	1050mm	1130mm	1608mm	1393mm	1460mm
FF2.5AR	CX1200	1200kg	1600mm	1050mm	1210mm	1608mm	1393mm	1460mm
FF3AR	CX1200	1200kg	1600mm	1050mm	1290mm	1608mm	1393mm	1460mm

Dimension of Ice Outlet



Ice Outlet Dimensions Table

Model	A	B	C	D	E	F	G	Ice Outlet Internal Dia.	Installation Bolt Dia.
FF0.3AR	87mm	700mm	395±1mm	432.5mm	1090mm	216.5mm	447mm	φ326	2-φ13
FF0.5AR	95mm	750mm	450±1mm	585mm	1250mm	419mm	430mm	φ326	2-φ13
FF1AR	150mm	1050mm	750±1mm	650mm	1320mm	300mm	490mm	φ480	2-φ16
FF1.5AR	150mm	1050mm	750±1mm	650mm	1320mm	300mm	490mm	φ480	2-φ16
FF2AR	150mm	1050mm	750±1mm	614mm	1600mm	295mm	490mm	φ480	2-φ16
FF2.5AR	150mm	1050mm	750±1mm	614mm	1600mm	295mm	490mm	φ480	2-φ16
FF3AR	150mm	1050mm	750±1mm	614mm	1600mm	295mm	490mm	φ480	2-φ16

Technical Parameter

Model	Ice Capacity/24hours	Condenser	power	Current Draw	Wiring	Water Demand	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
FF0.3AR	0.3T	Air-Cooled	1.7KW	3.7A	5x2.5mm ²	13L/H	3/4" GAS	φ21mm	180kg
FF0.5AR	0.5T	Air-Cooled	3KW	6.4A	5x2.5mm ²	21L/H	3/4" GAS	φ21mm	220kg
FF1AR	1T	Air-Cooled	4KW	7.9A	5x2.5mm ²	42L/H	3/4" GAS	φ21mm	275kg
FF1.5AR	1.5T	Air-Cooled	5.1KW	9.8A	5x2.5mm ²	63L/H	3/4" GAS	φ21mm	300kg
FF2AR	2T	Air-Cooled	6.5KW	12.2A	5x4mm ²	85L/H	3/4" GAS	φ21mm	390kg
FF2.5AR	2.5T	Air-Cooled	9.6KW	17.5A	5x4mm ²	105L/H	3/4" GAS	φ21mm	410kg
FF3AR	3T	Air-Cooled	11KW	19.8A	5x4mm ²	125L/H	3/4" GAS	φ21mm	530kg

1. FF0.3AR-FF3AR condenser can be designed for outdoor installation.
2. Standard working condition: ambient temperature 25°C; Water Temperature 16°C
3. Refrigerant: R22/R404A
4. Electrical voltage: 380V/50Hz /3N
5. Supply Water Pressure: 0.15-0.5Mpa.

Technical data are subject to change without prior notice

New generation in ice making systems



FF0.5AR with optional CX400 and stainless steel cover



FF3AR with optional CX1200



cart

FF2.5AR

FF3AR

Flake Ice Machine Complete Unit

First Class Product Analysis

The operating systems of FF-AR series use advanced computers to automatically control and reveal the whole ice making process which

makes for easy and convenient operation.

The machine will be running smoothly, hard to break and obviously it is very low maintenance as well.

The indication can be showed on the PC board. If there something goes wrong then the machine will be turned off itself and the instruction warning lights will be on.

- Such as:
- 1. Ice Full
- 2. Lack of Water
- 3. Wrong Rotating Direction
- 4. Evap/Cond Temperature Too High
- 5. High and Low Pressure Alarm etc.

So it will make your life absolutely easier to judge the failure of operation.

The evaporator is made of high quality, low temperature alloy steel. We use once shaped technology to prevent the evaporator from the following problems such as the blocked refrigeration system due to the dirt which caused by welding, the reduced conductivity coefficient which consequently will decrease the heat exchanging efficiency and so on. Therefore our products have highly economical energy consumption and it will cut the cost of running stationary.

The design of stationary and vertical evaporator is innovated in order to avoid the leaking problem from the refrigeration system due to the wear and tear in between the seal and shaft of a rolling operation on horizontal drum. So our products will last a lot longer and it is unlikely to have the leaking problem. It is a great idea to rotate the blade instead of drum, it will reduce the resistance of movement tremendously, save a lot of energy, decrease the noise, get rid of the ice powder and so forth.

If it is needed, FF-AR series ice making machine can be equipped with suitable models of ice storage bin depends on the production outlet of the machine.

FF0.3AR

FF0.5AR

FF1AR

FF1.5AR

FF2AR



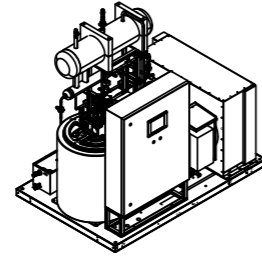
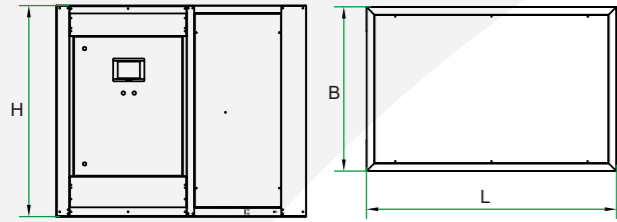
Ice Making Principle



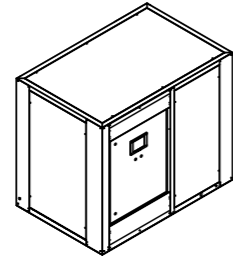
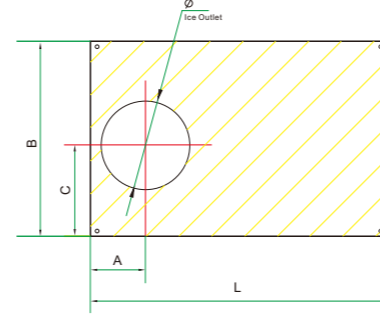
Flake Ice

FF-AR SERIES
Flake Ice Machine Complete Unit

Dimensions Without Packing



Dimension of Ice Outlet



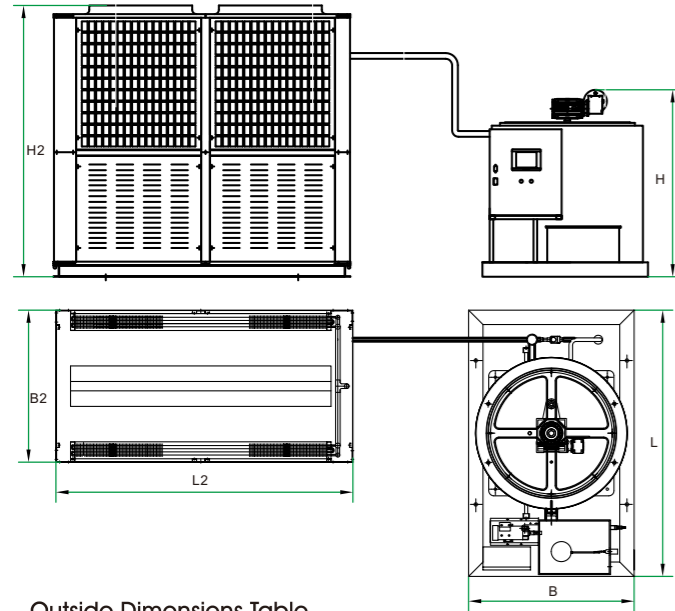
Outside Dimensions Table

Model	Dimension of Ice Machine			Dimension of Ice Outlet		
	L	B	H	A	C	Φ
CF0.5AR	1600mm	1050mm	1050mm	420mm	505mm	Φ350mm
CF1AR	1600mm	1050mm	1355mm	312mm	520mm	Φ508mm
CF2AR	1800mm	1300mm	1500mm	312mm	520mm	Φ508mm
CF3AR	1800mm	1300mm	1600mm	312mm	520mm	Φ508mm

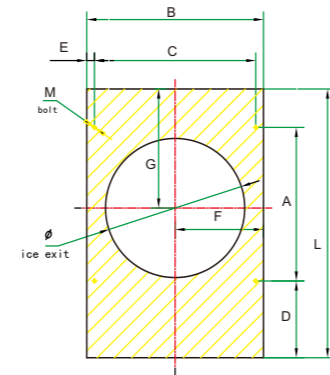
Technical Parameter

Model	Ice Capacity/24hours	Condenser	power	Current Draw	Wiring	Water Demand	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
CF0.5AR	0.5T	Air-Cooled	3.9KW	7.8A	5x2.5mm ²	21L/H	3/4" GAS	Φ21mm	270kg
CF1AR	1T	Air-Cooled	4.5KW	9A	5x2.5mm ²	42L/H	3/4" GAS	Φ21mm	325kg
CF2AR	2T	Air-Cooled	7.2KW	14A	5x4 mm ²	85L/H	3/4" GAS	Φ21mm	440kg
CF3AR	3T	Air-Cooled	13KW	26A	5x4 mm ²	125L/H	3/4" GAS	Φ21mm	580kg

Dimensions Without Packing



Dimension of Ice Outlet



Outside Dimensions Table

Model	Dimension of Ice Machine			Dimension of Condenser Unit			Dimension of ice Outlet						
	L	B	H	L2	B2	H2	A	C	D	E	F	G	M
CF5AS	1850mm	1150mm	1300mm	2400mm	1100mm	2100mm	1000mm	1050mm	500mm	50mm	575mm	855mm	Φ22mm
CF7.5AS	1850mm	1150mm	1650mm	2600mm	1300mm	2300mm	1000mm	1050mm	500mm	50mm	575mm	855mm	Φ22mm
CF10AS	1850mm	1150mm	1950mm	3000mm	1130mm	2500mm	1000mm	1050mm	500mm	50mm	575mm	855mm	Φ22mm

Technical Parameter

Model	Ice Capacity/24hours	Condenser	power	Current Draw	Wiring	Water Demand	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
CF5AS	5T	Air-Cooled	23KW	46A	5x16mm ²	208L/H	3/4" GAS	Φ21mm	1300kg
CF7.5AS	7.5T	Air-Cooled	31KW	62A	5x16mm ²	313L/H	3/4" GAS	Φ21mm	1500kg
CF10AS	10T	Air-Cooled	41KW	82A	5x25mm ²	417L/H	3/4" GAS	Φ21mm	1700kg

- Supercritical CO2 ice machine pressure data:
Working Pressure:90bar,Test Pressure:126bar
- Standard working condition:Ambient Temperature:25°C,Water Temperature:16°C
- Supply Water Pressure: 0.15-0.5MPa
- Power: 380V/50Hz/3N
- Refrigerant:R744

CO₂
Transcritical
New Product



Flake Ice Machine Complete Unit

First Class Product Analysis

The operating systems of FF-AR series use advanced computers to automatically control and reveal the whole ice making process which

CF0.5AR makes for easy and convenient operation.

The machine will be running smoothly,hard to break and obviously it is very low maintenance as well.

The indication can be showed on the PC board if there something goes wrong then the machine will be turned off itself and the instuction warning lights will be on

Such as:

- 1.Ice Full
- 2.Lack of Water
- 3.wrong Rotating Direction
- 4.Evap/Cond Temperature Too High

5.High and Low Pressure Alarm etc,So it will make your life absolutely easier to judge the failure of operation

The evaporator is made of high quality,low temperature alloy steel,We use once shaped technology to prevent the

CF1AR evaporator from the following problems such as the blocked refrigeration system due to the dirt which caused by welding,the reduced conductivity coefficient

Which consequently will decrease the heat exchanging efficiency and so on. Therefore our products have highly economical energy consumption and it will cut the cost of running stationary.

The design of stationary and vertical evaporator is innovated in order to avoid the leaking problem from the refrigeration system due to the wear and tear in between the seal and shaft of a

CF2AR rolling operation on horizontal drum,So our products will last a lot longer and it is unlikely to have the leaking problem.It is great idea to rotate the blade instead of drum, it will reduce the resistance of movemnt tremendously,save a lot of energy decrease the noise, get rid of the ice powder and so forth.

CF3AR if it is needed FF-AR series ice making machine can be equipped with suitable models of ice storage bin depends on the production outlet of the machine.



Ice Making Principle



Flake Ice

CF10AS

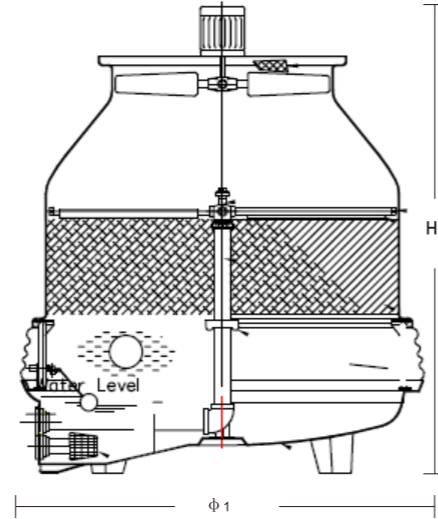
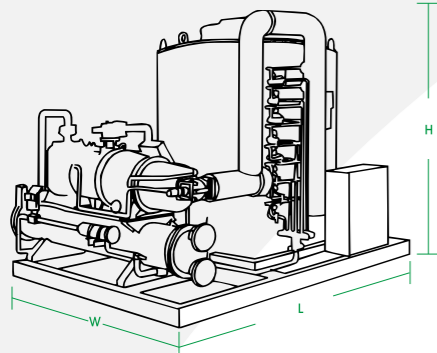
CF7.5AS

CF-AR/AS SERIES

CO₂ Flake Ice Machine Complete Unit

New generation in ice making systems

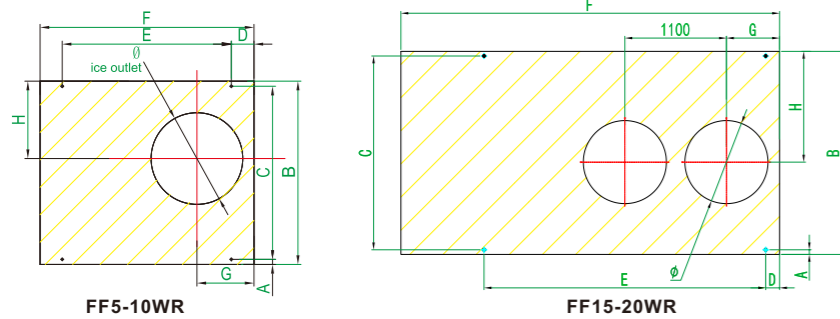
Dimensions Without Packing



Outside Dimensions Table

Model	Dimension of Ice Machine			Dimension of Cooling Tower	
	L	W	H	H1	φ 1
FF5WR	2100mm	1800mm	1300mm	2170mm	1380mm
FF7.5WR	2100mm	1800mm	1600mm	2410mm	2000mm
FF10WR	2350mm	1950mm	1900mm	2410mm	2000mm
FF15WR	4100mm	2200mm	1650mm	2565mm	2175mm
FF20WR	4100mm	2200mm	1950mm	2645mm	2650mm

Dimension of Ice Outlet



Ice Outlet Dimensions Table

Model	A	B	C	D	E	F	G	H	Ice Outlet Internal Dia.	Installation Bolt Dia.
FF5WR	50mm	1800mm	1700 1mm	220mm	1600 1mm	2100mm	560mm	760mm	φ 900	4-φ 24
FF7.5WR	50mm	1800mm	1700 1mm	220mm	1600 1mm	2100mm	560mm	760mm	φ 900	4-φ 24
FF10WR	50mm	1950mm	1850 1mm	220mm	1910 1mm	2350mm	560mm	760mm	φ 900	4-φ 24
FF15WR	50mm	2200mm	2100 1mm	150mm	3050 1mm	4100mm	575mm	1200mm	φ 900	4-φ 24
FF20WR	50mm	2200mm	2100 1mm	150mm	3050 1mm	4100mm	575mm	1200mm	φ 900	4-φ 24

Technical Parameter

Model	Ice Capacity/24hours	Condenser	Gear Motor Power	Water Pump Power	Rated Power	Water Demand	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
FF5WR	5T	Water-Cooled	180W	65W	18KW	208L/H	3/4" GAS	φ 21mm	900kg
FF7.5WR	7.5T	Water-Cooled	370W	65W	24KW	313L/H	3/4" GAS	φ 21mm	1150kg
FF10WR	10T	Water-Cooled	370W	65W	37KW	417L/H	3/4" GAS	φ 21mm	1350kg
FF15WR	15T	Water-Cooled	2X370W	2X65W	53KW	625L/H	3/4" GAS	φ 21mm	2000kg
FF20WR	20T	Water-Cooled	2X370W	2X65W	76KW	834L/H	3/4" GAS	φ 21mm	2500kg

1. Standard working condition: ambient temperature 25°C; Water Temperature 16°C
 2. Refrigerant: R22/R404A
 3. Condensing Temperature 40°C; Evaporating Temperature -22°C
 4. Supply Water Pressure: 0.15-0.5Mpa.
 5. Power Supply: 380V/50Hz/3N

Technical data are subject to change without prior notice

New generation in ice making systems

Water Cooled Flake Ice machine

First Class Product Analysis

FF5WR

FF7.5WR

FF10WR

FF15WR

FF20WR



FF10WR



Ice Making Principle

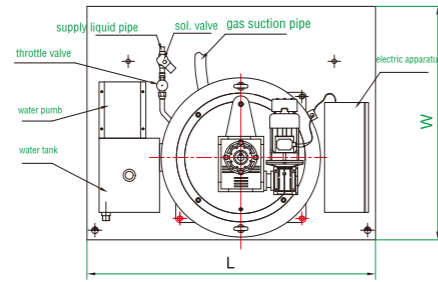
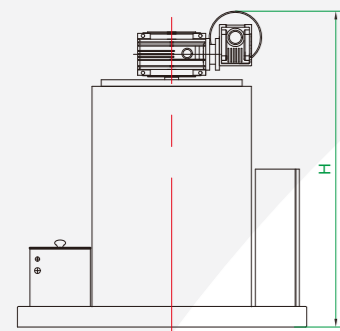


Flake Ice

FF-WR SERIES
 Water Cooled Flake Ice Machine

Dimensions Without Packing

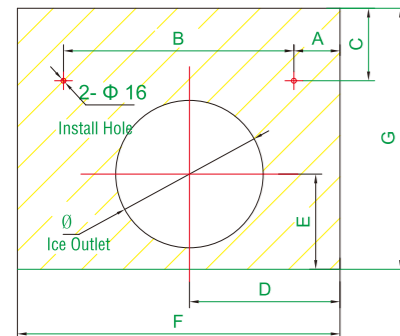
pipe connection drawing (elevation)



Outside Dimensions Table

Model	Dimension of Ice Making Systems			Connecting Refrigeration Systems Pipes Size	
	L	W	H	Internal Dia of Inlet liquid pipe	Internal Dia of Air Rejection Pipe
FF0.3E	800mm	750mm	745mm	φ12.7mm	φ16mm
FF0.5E	800mm	750mm	840mm	φ12.7mm	φ16mm
FF1E	1050mm	850mm	890mm	φ12.7mm	φ22mm
FF1.5E	1050mm	850mm	965mm	φ12.7mm	φ22mm
FF2E	1050mm	850mm	1130mm	φ12.7mm	φ22mm
FF2.5E	1050mm	850mm	1210mm	φ12.7mm	φ22mm
FF3E	1050mm	850mm	1290mm	φ12.7mm	φ22mm

Dimension of Ice Outlet



Ice Outlet Dimensions Table

Model	A	B	C	D	E	F	G	Ice Outlet Internal Dia.	Installation Bolt Dia.
FF0.3E	225mm	450±1mm	215mm	450mm	420mm	750mm	800mm	φ340	2-φ16
FF0.5E	225mm	450±1mm	215mm	450mm	420mm	750mm	800mm	φ340	2-φ16
FF1E	150mm	750±1mm	236mm	490mm	310mm	1050mm	850mm	φ480	2-φ16
FF1.5E	150mm	750±1mm	236mm	490mm	310mm	1050mm	850mm	φ480	2-φ16
FF2E	150mm	750±1mm	236mm	490mm	310mm	1050mm	850mm	φ480	2-φ16
FF2.5E	150mm	750±1mm	236mm	490mm	310mm	1050mm	850mm	φ480	2-φ16
FF3E	150mm	750±1mm	236mm	490mm	310mm	1050mm	850mm	φ480	2-φ16

Technical Parameter

Model	Ice Capacity/24hours	Demanding Refrigerating Capacity	Gear Motor Power	Water Pump Power	Water Consumption	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
FF0.3E	0.3T	1.65KW	120W	10W	21L/H	3/4" GAS	φ21mm	85kg
FF0.5E	0.5T	2.75KW	120W	10W	34L/H	3/4" GAS	φ21mm	117kg
FF1E	1T	5.5KW	180W	10W	42L/H	3/4" GAS	φ21mm	130kg
FF1.5E	1.5T	8.5KW	180W	10W	63L/H	3/4" GAS	φ21mm	138kg
FF2E	2T	11KW	180W	10W	85L/H	3/4" GAS	φ21mm	146kg
FF2.5E	2.5T	13.5KW	180W	10W	105L/H	3/4" GAS	φ21mm	155kg
FF3E	3T	16.5KW	180W	20W	125L/H	3/4" GAS	φ21mm	165kg

1. Standard working condition: ambient temperature 25°C; Water Temperature 16°C
 2. Refrigerant: R22/R404A
 3. Condensing Temperature 40°C; Evaporating Temperature -22°C
 4. Supply Water Pressure: 0.15-0.5Mpa.
 5. Power Supply: 380V/50Hz/3N

Technical data are subject to change without prior notice

New generation in ice making systems



FF3E

Freon Flake Ice making Systems

First Class Product Analysis

The operating systems of FF-E series use advanced computers to automatically control and reveal the whole ice making process which

FF0.3E

makes for easy and convenient operation. The machine will be running smoothly, hard to break and obviously it is very low maintenance as well.

The indication can be showed on the PC board. If there something goes wrong then the machine will be turned off itself and the instruction warning lights will be on.

FF0.5E

- Such as:
1. Ice Full
 2. Lack of Water
 3. Wrong Rotating Direction
 4. Evap/Cond Temperature Too High
 5. High and Low Pressure Alarm etc.

So it will make your life absolutely easier to judge the failure of operation.

FF1E

The evaporator is made of high quality, low temperature alloy steel. We use once shaped technology to prevent the evaporator from the following problems such as the blocked refrigeration system due to the dirt which caused by welding, the reduced conductivity coefficient which consequently will decrease the heat exchanging efficiency and so on.

FF1.5E

Therefore our products have highly economical energy consumption and it will cut the cost of running stationary. The design of stationary and vertical evaporator is innovated in order to avoid the leaking problem from the refrigeration system due to the wear and tear in between the seal and shaft of a rolling operation on horizontal drum.

So our products will last a lot longer and it is unlikely to have the leaking problem.

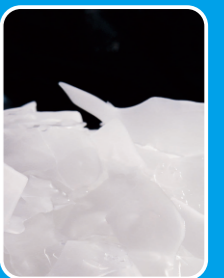
FF2E

It is great idea to rotate the blade instead of drum, it will reduce the resistance of movement tremendously, save a lot of energy, decrease the noise, get rid of the ice powder and so forth.

FF2.5E



Ice Making Principle

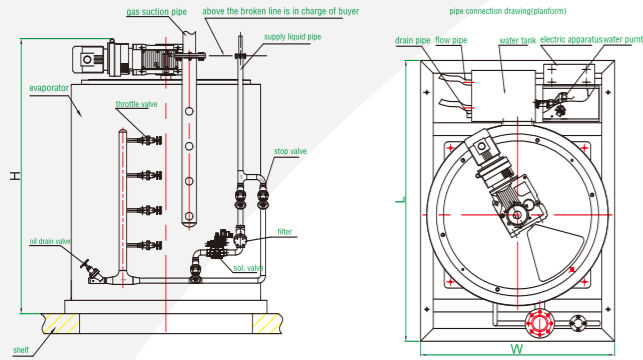


Flake Ice

FF3E

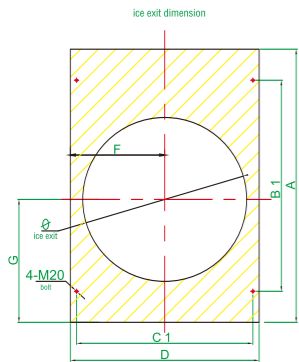
FF-E SERIES
 Freon Flake Ice Making Systems

Dimensions Without Packing



Outside Dimensions Table

Model	Dimension of Ice Making Systems			Connecting Refrigeration Systems Pipes Size	
	L	W	H	Internal Dia of Inlet liquid pipe	Internal Dia of Air Rejection pipe
AF5E	1850mm	1150mm	1300mm	DN25mm	DN 65mm
AF10E	1850mm	1150mm	1600mm	DN32mm	DN 80mm
AF15E	1850mm	1150mm	1900mm	DN32mm	DN 100mm



Ice Outlet Dimensions Table

Model	A	B	C	D	E	F	G	Ice Outlet Internal Dia.	Instillation Bol internal Dia.
AF5E	1850mm	1000±1mm	1050±1mm	1150mm	50mm	575mm	875mm	φ900	4-φ20
AF10E	1850mm	1000±1mm	1050±1mm	1150mm	50mm	575mm	875mm	φ900	4-φ20
AF15E	1850mm	1000±1mm	1050±1mm	1150mm	50mm	575mm	875mm	φ900	4-φ20

Technical Parameter

Model	Ice Capacity/24hours	Demanding Refrigerating Capacity	Gear Motor Power	Water Pump Power	Water Consumption	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
AF5E	5T	28KW	370W	65W	208L/H	3/4" GAS	φ21mm	350kg
AF10E	10T	55KW	370W	65W	417L/H	3/4" GAS	φ21mm	550kg
AF15E	15T	82KW	370W	65W	625L/H	3/4" GAS	φ21mm	750kg

1. Standard working condition: ambient temperature 25°C; Water Temperature 16°C
2. Refrigerant: R717
3. Condensing Temperature 35°C; Evaporating Temperature -22°C
4. Supply Water Pressure: 0.15-0.5Mpa.
5. Forced Recirculation Systems (By Pump)

Technical data are subject to change without prior notice

New generation in ice making systems



AF10E

Ammonia Flake Ice Making Systems

First Class Product Analysis

The operating systems of AF-E series use advanced computers to automatically control and reveal the whole ice making process which

- AF5E** makes for easy and convenient operation. The machine will be running smoothly, hard to break and obviously it is very low maintenance as well. The indication can be showed on the PC board. If there something goes wrong then the machine will be turned off itself and the instruction warning lights will be on. Such as:
 1. Ice Full
 2. Lack of Water
 3. Wrong Rotating Direction
 4. Evap/Cond Temperature Too High
 5. High and Low Pressure Alarm etc.
- AF10E** So it will make your life absolutely easier to judge the failure of operation. The evaporator is made of high quality, low temperature alloy steel. We use once shaped technology to prevent the evaporator from the following problems such as the blocked refrigeration system due to the dirt which caused by welding, the reduced conductivity coefficient

- AF15E** which consequently will decrease the heat exchanging efficiency and so on. Therefore our products have highly economical energy consumption and it will cut the cost of running stationary. The design of stationary and vertical evaporator is innovated in order to avoid the leaking problem from the refrigeration system due to the wear and tear in between the seal and shaft of a rolling operation on horizontal drum. So our products will last a lot longer and it is unlikely to have the leaking problem. It is great idea to rotate the blade instead of drum, it will reduce the resistance of movement tremendously, save a lot of energy, decrease the noise, get rid of the ice powder and so forth.



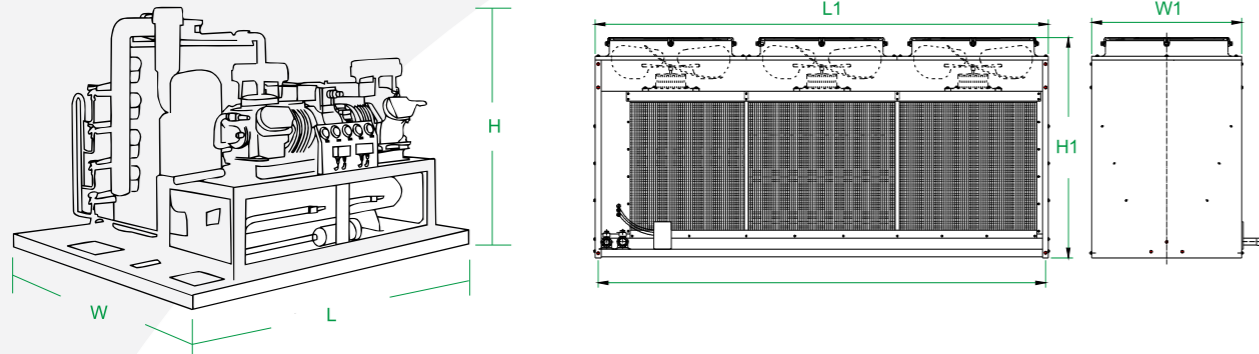
Ice Making Principle



Flake Ice

AF-E SERIES
Ammonia Flake Ice Making Systems

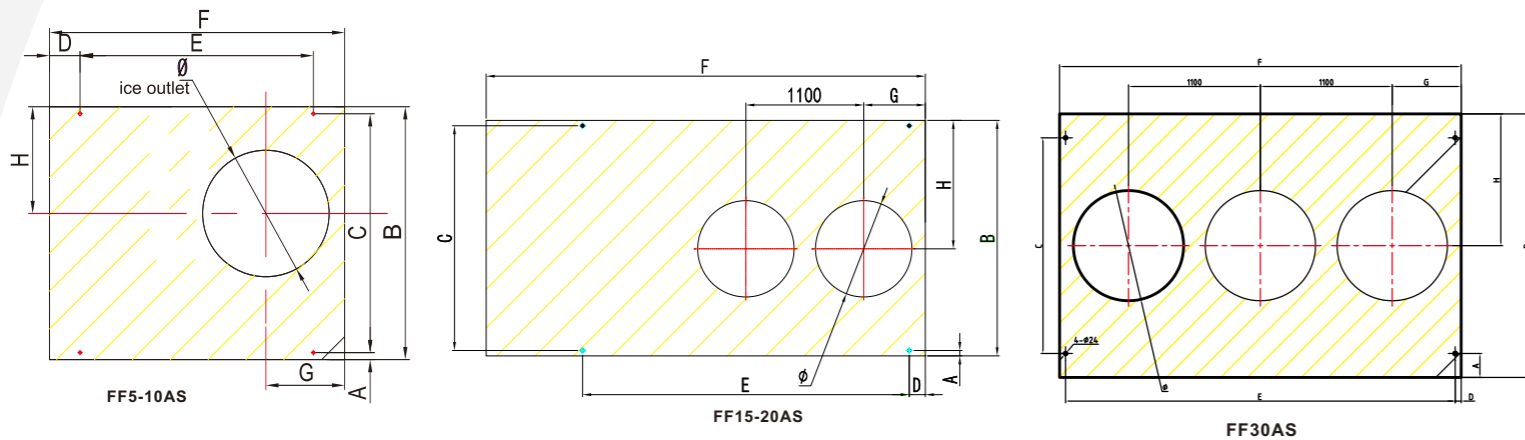
Dimensions Without Packing



Outside Dimensions Table

Model	Dimension of Ice Machine			Dimension of Condenser		
	L	W	H	L ₁	W ₁	H ₁
FF5AS	2100mm	1800mm	1300mm	1920mm	1000mm	1185mm
FF7.5AS	2100mm	1800mm	1600mm	2450mm	1175mm	1265mm
FF10AS	2350mm	1950mm	1900mm	3100mm	1150mm	1250mm
FF15AS	4100mm	2200mm	1650mm	4100mm	1250mm	1350mm
FF20AS	4100mm	2200mm	1950mm	3100mm	1150mm	1250mm(two)
FF30AS	3350mm	2200mm	1900mm	3650mm	1175mm	1265mm(three)

Dimension of Ice Outlet



Ice Outlet Dimensions Table

Model	A	B	C	D	E	F	G	H	Ice Outlet Internal Dia.	Installation Bolt Dia.
FF5AS	50mm	1800mm	1700±1mm	220mm	1600±1mm	2100mm	560mm	760mm	φ900	4-φ24
FF7.5AS	50mm	1950mm	1850±1mm	220mm	1910±1mm	2350mm	560mm	760mm	φ900	4-φ24
FF10AS	50mm	1950mm	1850±1mm	220mm	1910±1mm	2350mm	560mm	760mm	φ900	4-φ24
FF15AS	50mm	2200mm	2100±1mm	150mm	3050±1mm	4100mm	575mm	1200mm	φ900	4-φ24
FF20AS	50mm	2200mm	2100±1mm	150mm	3050±1mm	4100mm	575mm	1200mm	φ900	4-φ24
FF30AS	50mm	2200mm	1800±1mm	200mm	3250±1mm	3350mm	575mm	1100mm	φ900	4-φ24

Technical Parameter

Model	Ice Capacity/24hours	Condenser	Gear Motor Power	Water Pump Power	Rated Power	Water Demand	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight	Condenser Weight
FF5AS	5T	Air-Cooled	180W	65W	20KW	208L/H	3/4" GAS	φ21mm	900kg	238kg
FF7.5AS	7.5T	Air-Cooled	370W	65W	28KW	313L/H	3/4" GAS	φ21mm	1150kg	275kg
FF10AS	10T	Air-Cooled	370W	65W	37KW	417L/H	3/4" GAS	φ21mm	1350kg	420kg
FF15AS	15T	Air-Cooled	2X370W	2X65W	54KW	625L/H	3/4" GAS	φ21mm	2000kg	680kg
FF20AS	20T	Air-Cooled	2X370W	2X65W	79KW	834L/H	3/4" GAS	φ21mm	2500kg	2X420kg
FF30AS	30T	Air-Cooled	3X370W	3X65W	165KW	1250L/H	3/4" GAS	φ21mm	2800kg	3X478kg

1. Standard working condition: ambient temperature 25°C; Water Temperature 16°C
2. Refrigerant: R22/R404A
3. Condensing Temperature 40°C; Evaporating Temperature -22°C
4. Supply Water Pressure: 0.15-0.5Mpa.
5. Power Supply: 380V/50Hz/3N

Technical data are subject to change without prior notice

New generation in ice making systems



FF5AS

Air Cooled Flake Ice Machine

First Class Product Analysis

The operating systems of FF-AS series use advanced computers to automatically control and reveal the whole ice making process which

FF5AS

makes for easy and convenient operation. The machine will be running smoothly, hard to break and obviously it is very low maintenance as well.

The indication can be showed on the PC board. If there something goes wrong then the machine will be turned off itself and the instruction warning lights will be on.

- Such as:
1. Ice Full
 2. Lack of Water
 3. Wrong Rotating Direction
 4. Evap/Cond Temperature Too High
 5. High and Low Pressure Alarm etc.

FF7.5AS

So it will make your life absolutely easier to judge the failure of operation.

The evaporator is made of high quality, low temperature alloy steel.

FF10AS

We use once shaped technology to prevent the evaporator from the following problems such as the blocked refrigeration system due to the dirt which caused by welding, the reduced conductivity coefficient

Which consequently will decrease the heat exchanging efficiency and so on.

Therefore our products have highly economical energy consumption and it will cut the cost of running stationary. The design of stationary and vertical evaporator is innovated in order to avoid the leaking problem from the refrigeration system due to the wear and tear in between the seal and shaft of a rolling operation on horizontal drum.

FF15AS

So our products will last a lot longer and it is unlikely to have the leaking problem. It is great idea to rotate the blade instead of drum, it will reduce the resistance of movement tremendously, save a lot of energy, decrease the noise, get rid of the ice powder and so forth.

FF20AS



Ice Making Principle

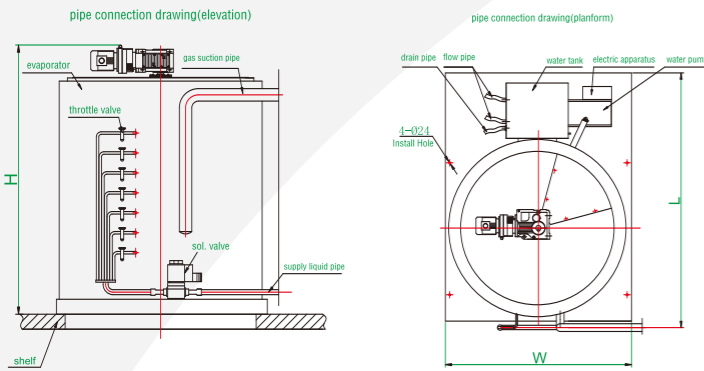


Flake Ice

FF30AS

FF-AS SERIES
Air Cooled Flake Ice Machine

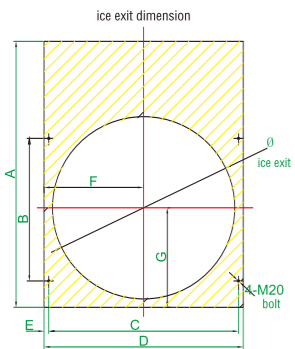
Dimensions Without Packing



Outside Dimensions Table

Model	Dimension of Ice Machine			Connecting Refrigeration Systems Pipes Size	
	L	W	H	Internal Dia of inlet liquid pipe	Internal Dia of air rejection pipe
FF5E	1850mm	1150mm	1300mm	φ22mm	DN65
FF7.5E	1850mm	1150mm	1600mm	φ28mm	DN65
FF10E	1850mm	1150mm	1900mm	φ28mm	DN80

Dimension of Ice Outlet



Ice Outlet Dimensions Table

Model	A	B	C	D	E	F	G	Ice Outlet Internal Dia.	Installation Bolt Dia.
FF5E	1850mm	1000±1mm	1050±1mm	1150mm	50mm	575mm	875mm	φ900	4-φ20
FF7.5E	1850mm	1000±1mm	1050±1mm	1150mm	50mm	575mm	875mm	φ900	4-φ20
FF10E	1850mm	1000±1mm	1050±1mm	1150mm	50mm	575mm	875mm	φ900	4-φ20

Technical Parameter

Model	Ice Capacity/24hours	Demanding Refrigerating Cap	Gear Motor power	Water Pump Power	Water Consumption	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
FF5E	5T	28KW	180W	65W	208L/H	3/4 " GAS	φ 21mm	350kg
FF7.5E	7.5T	42KW	370W	65W	313L/H	3/4 " GAS	φ 21mm	550kg
FF10E	10T	55KW	370W	65W	417L/H	3/4 " GAS	φ 21mm	750kg

1. Standard working condition: ambient temperature 25°C; Water Temperature 16°C
2. Refrigerant: R22/R404A
3. Condensing Temperature 40°C; Evaporating Temperature -22°C
4. Supply Water Pressure: 0.15-0.5Mpa.
5. Power Supply: 380V/50Hz/3N

Technical data are subject to change without prior notice

New generation in ice making systems



FF10E

Freon Flake Ice Making Systems

First Class Product Analysis

The operating systems of FF-E series use advanced computers to automatically control and reveal the whole ice-making process which makes for easy and convenient operation. The machine will be running smoothly, hard to break and obviously it is very low maintenance as well. The indication can be showed on the PC board if there something goes wrong then the machine will be turned off itself and the instruction warning lights will be on. Such as:

FF5E

- 1. Ice Full
- 2. Lack of Water
- 3. Wrong Rotating Direction
- 4. Evap/Cond Temperature Too High
- 5. High and Low Pressure Alarm etc.

FF7.5E

So it will make your life absolutely easier to judge the failure of operation. The evaporator is made of high quality, low temperature alloy steel.

FF10E

We use once shaped technology to prevent the evaporator from the following problems such as the blocked refrigeration system due to the dirt which caused by welding, the reduced conductivity coefficient which consequently will decrease the heat exchanging efficiency and so on.

Therefore our products have highly economical energy consumption and it will cut the cost of running stationary. The design of stationary and vertical evaporator is innovated in order to avoid the leaking problem from the refrigeration system due to the wear and tear in between the seal and shaft of a rolling operation on horizontal drum.

So our products will last a lot longer and it is unlikely to have the leaking problem.

It is great idea to rotate the blade instead of drum, it will reduce the resistance of movement tremendously, save a lot of energy decrease the noise, get rid of the ice powder and so forth.



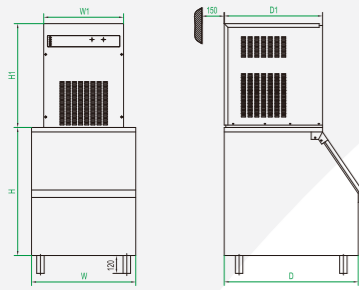
Ice Making Principle



Flake Ice

FF-E SERIES
Freon Flake Ice Making Systems

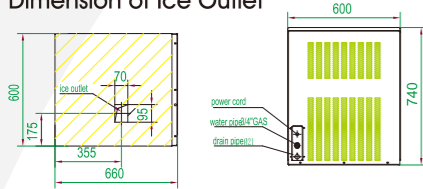
Dimensions Without Packing



Outside Dimensions Table

Model	Ice Storage Bin	Ice Storage Capacity	Dimension of Ice Machine			Dimension of Ice Storage		
			D ₁	W ₁	H ₁	D	W	H
N200M	B150-1H	150kg	660mm	600mm	740mm	900mm	700mm	1000mm
N300M	B150-1H	150kg	660mm	600mm	740mm	900mm	700mm	1000mm

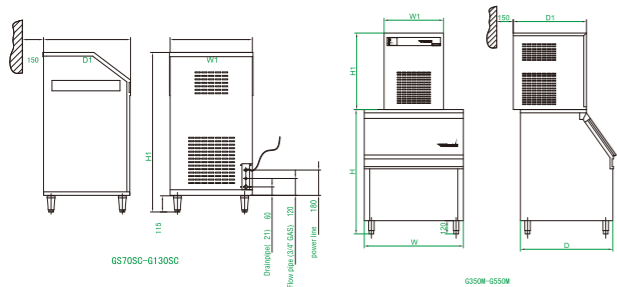
Dimension of Ice Outlet



Technical Parameter

Model	Refrigerating Capacity/24hours	Condenser	Power	Current	Wiring	Water Consumption	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
N200M	200kg	Air-Cooled	950W	4.5A	3x1.5mm ²	8.3L/H	3/4" GAS	φ21mm	80kg
N300M	300kg	Air-Cooled	1320W	7.8A	3x1.5mm ²	12.5L/H	3/4" GAS	φ21mm	95kg

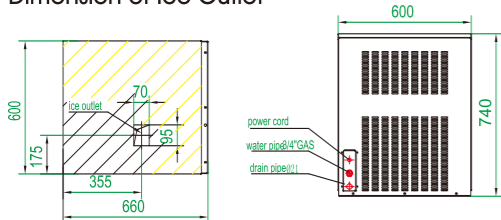
Dimensions Without Packing



Outside Dimensions Table

Model	Ice Storage Bin	Ice Storage Capacity	Dimension of Ice Machine			Dimension of Ice Storage		
			D ₁	W ₁	H ₁	D	W	H
G70SC	Self Contained	30kg	615mm	585mm	1135mm	-	-	-
G100SC	Self Contained	35kg	615mm	585mm	1135mm	-	-	-
G130SC	Self Contained	40kg	615mm	585mm	1135mm	-	-	-
G350M	B210-1H	210kg	660mm	600mm	745mm	900mm	840mm	1130mm
G550M	B210-1H	210kg	660mm	600mm	885mm	900mm	840mm	1130mm

Dimension of Ice Outlet



Technical Parameter

Model	Refrigerating Capacity/24hours	Condenser	Power	Current Draw	Wiring	Water Demand	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
G70SC	70kg	Air-Cooled	430W	2.6A	3x1mm ²	2.9L/H	3/4" GAS	φ21mm	66kg
G100SC	100kg	Air-Cooled	500W	3.3A	3x1mm ²	4.2L/H	3/4" GAS	φ21mm	68kg
G130SC	130kg	Air-Cooled	570W	3.5A	3x1mm ²	5.4L/H	3/4" GAS	φ21mm	70kg
G350M	350kg	Air-Cooled	1160W	5.6A	3x1.5mm ²	14.5L/H	3/4" GAS	φ21mm	88kg
G550M	550kg	Air-Cooled	1710W	8A	3x1.5mm ²	23L/H	3/4" GAS	φ21mm	110kg

1. Refrigerant: R22/R404A/R134A
 2. Electrical Voltage: 220V/50Hz/1N
 3. Supply Water Pressure: 0.15-0.5Mpa.

Technical data are subject to change without prior notice

New generation in ice making systems



2xG550M with optional B600-2H



N300M with optional B150-1H

Granular & Nugget Ice Machines

First Class Product Analysis

G-SC, G-M, N-M Series are the latest type of Granular & Nugget ice making machines. The operating systems use advanced computers to automatically control and reveal the whole ice making process which makes for easy and convenient operation.

G70SC

The machine will be running smoothly, hard to break and obviously it is very low maintenance as well.

G100SC

The indication can be showed on the PC board if there something goes wrong and the machine will be turned off itself and

G130SC

the instruction warning lights will be on. Such as:
 1. Ice Full
 2. Lack of Water
 3. Wrong Rotating Direction
 4. Evap/Cond Temperature Too High etc.

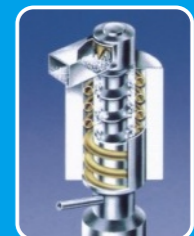
So it will make your life absolutely easier to judge the failure of operation.

G350M

G550M

N200M

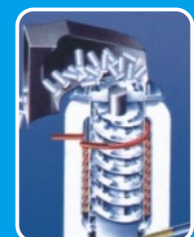
N300M



Ice Making Principle



Granular Ice



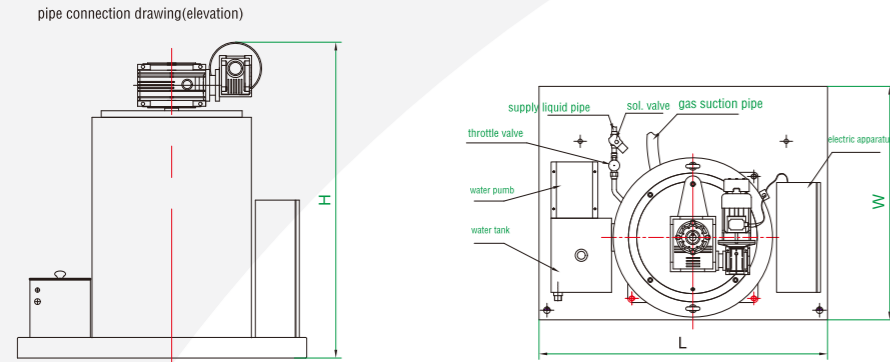
Ice Making Principle



Nugget Ice

G-SC, G-M, N-M SERIES
 Granular & Nugget Ice Machines

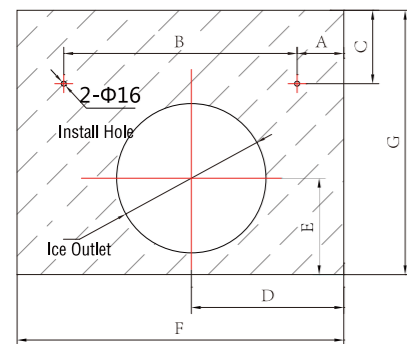
Dimensions Without Packing



Outside Dimensions Table

Model	Dimension of Ice Making Systems			Connecting Refrigeration Systems Pipes Size	
	L	W	H	Internal Dia of Inlet liquid pipe	Internal Dia of Air Rejection Pipe
CF0.3E	800mm	750mm	745mm	Φ 12.7mm	Φ 16mm
CF0.5E	800mm	750mm	840mm	Φ 12.7mm	Φ 16mm
CF1E	1050mm	850mm	890mm	Φ 12.7mm	Φ 22mm
CF1.5E	1050mm	850mm	965mm	Φ 12.7mm	Φ 22mm
CF2E	1050mm	850mm	1130mm	Φ 12.7mm	Φ 22mm
CF2.5E	1050mm	850mm	1210mm	Φ 12.7mm	Φ 22mm
CF3E	1050mm	850mm	1290mm	Φ 12.7mm	Φ 22mm

Dimension of Ice Outlet



Ice Outlet Dimensions Table

Model	Ice Capacity/24hours	Demanding Refrigerating Capacity	Gear Motor Power	Water Pump Power	Water Consumption	Water Pipe Ext Threads	Drainpipe External Dia.	Net Weight
CF0.3E	0.3T	1.65KW	120W	10W	13L/H	3/4" GAS	Φ 21mm	85kg
CF0.5E	0.5T	2.75KW	120W	10W	21L/H	3/4" GAS	Φ 21mm	117kg
CF1E	1T	5.5KW	180W	10W	42L/H	3/4" GAS	Φ 21mm	130kg
CF1.5E	1.5T	8.5KW	180W	10W	63L/H	3/4" GAS	Φ 21mm	138kg
CF2E	2T	11KW	180W	10W	85L/H	3/4" GAS	Φ 21mm	146kg
CF2.5E	2.5T	13.5KW	180W	10W	105L/H	3/4" GAS	Φ 21mm	155kg
CF3E	3T	16.5KW	180W	20W	125L/H	3/4" GAS	Φ 21mm	165kg

1. Standard working condition: ambient temperature 25°C; Water Temperature 16°C
2. Refrigerant: R744
3. Condensing Temperature 40°C; Evaporating Temperature -22°C
4. Supply Water Pressure: 0.15-0.5Mpa.
5. Power Supply: 380V/50Hz/3N

Technical data are subject to change without prior notice

New generation in ice making systems



CF1.5E

Co₂ Flake Ice Making Systems

First Class Product Analysis

The operating systems of CF-E series use advanced computers to automatically control and reveal the whole ice making process which

- CF0.3E** makes for easy and convenient operation. The machine will be running smoothly, hard to break and obviously it is very low maintenance as well. The indication can be showed on the PC board. If there something goes wrong then the machine will be turned off itself and the instruction warning lights will be on. Such as:
 1. Ice Full
 2. Lack of Water
 3. Wrong Rotating Direction
 4. Evap/Cond Temperature Too High
 5. High and Low Pressure Alarm etc.
- CF0.5E** So it will make your life absolutely easier to judge the failure of operation. The evaporator is made of high quality, low temperature alloy steel. We use once shaped technology to prevent the evaporator from the following problems such as the blocked refrigeration system due to the dirt which caused by welding, the reduced conductivity coefficient which consequently will decrease the heat exchanging efficiency and so on.
- CF1E** Therefore our products have highly economical energy consumption and it will cut the cost of running stationary. The design of stationary and vertical evaporator is innovated in order to avoid the leaking problem from the refrigeration system due to the wear and tear in between the seal and shaft of a rolling operation on horizontal drum. So our products will last a lot longer and it is unlikely to have the leaking problem. It is great idea to rotate the blade instead of drum, it will reduce the resistance of movement tremendously, save a lot of energy, decrease the noise, get rid of the ice powder and so forth.
- CF1.5E**
- CF2E**
- CF2.5E**
- CF3E**



Ice Making Principle



Flake Ice

CF-E SERIES
Co₂ Flake Ice Making Systems