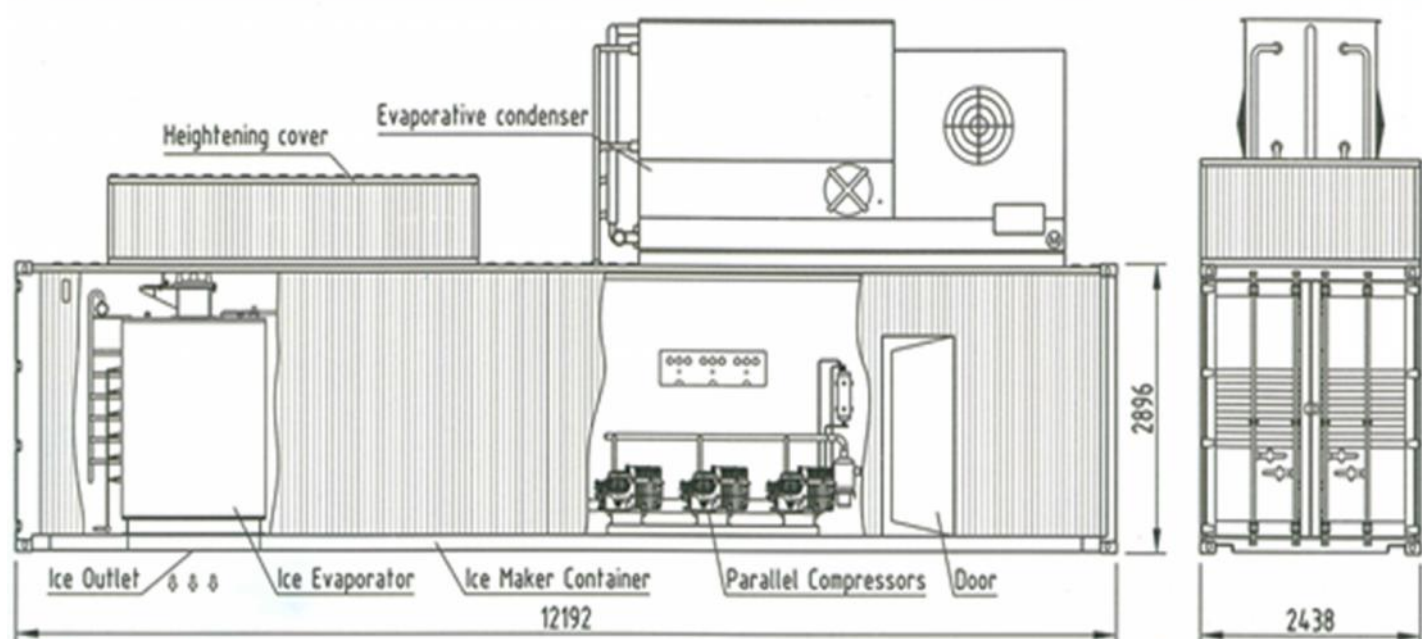


Flake Ice Plant



FIP standard configuration

1. outside is standard white 20/40 feet new container; inside is decorated with air conditioner, illumination and aluminum alloy floor;
2. refrigerating compressor unit is semi-hermetic screw or piston compressor;
3. evaporative condenser with double speed fan;
4. flake ice evaporator with water tank and pump;
5. necessary oil cooling system and oil return system;
6. necessary refrigeration system control and protect components and refrigeration pipeline connection;
7. the interface with the ice storage for operation and alarm signal connection;
8. electrical control components and electric box for automatic control;
9. factory test.

Design conditions

Max. ambient temperature: 60°C
 Wet bulb temperature: 29°C
 Water-in temperature: 5°C
 Ice out temperature: -7°C
 Voltage: 400V
 Phase: 3
 Frequency: 50 Hz
 Run time: 24 hours
 Refrigerant: R22/R404A/R717



Model		FIP15	FIP20	FIP25	FIP30	FIP35	FIP40	FIP45	FIP50	FIP60	FIP70	FIP80	FIP90	FIP100	FIP120	FIP140	FIP180
Ice capacity	Tons/day	15	20	25	30	35	40	45	50	60	70	80	90	100	120	140	180
Water supply	Tons/hr	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1	2.5	2.9	3.4	3.9	4.2	5.1	5.9	7.6
Necessary refrigeration capacity	KW	75	100	125	150	175	200	225	250	300	350	400	450	500	600	700	900
Installed refrigeration capacity	KW	103.2	128.2	159	178.6	218.2	243.6	264	292	345.6	396.2	475.5	495.8	595.2	697.4	804.6	967.8
Installed electric Power	KW	81	88.9	115.8	145.8	136.4	174.2	208.4	222.1	222.1	256.9	324.5	388.8	440.1	440.1	509.7	771.7
Operating electric power	KW	65.8	76.6	95.5	110.5	128.9	147.4	175.8	194.2	217.4	241.8	291.3	322.4	382.3	428.7	477.5	636.9
COP	KW/KW	1.6	1.7	1.7	1.6	1.7	1.7	1.5	1.5	1.6	1.7	1.7	1.5	1.5	1.6	1.7	1.6
Water consumption	Ltr	226.6	277.3	347.3	395.1	480.7	528.5	601.5	666.1	776.7	882.1	1021	1123.8	1333	1554.2	1705	2248.2
Container Specification		20'	20'	40'	40'	40'	40'	40'	40'	40'	40'	2*40'	40'	2*40'	2*40'	2*40'	2*40'